

UNITED STATES DEPARTMENT OF THE INTERIOR

Harold L. Ickes, Secretary

U.S. GEOLOGICAL SURVEY

W. E. Wrather, Director

Bulletin 930—Vol. 2

SPIRIT LEVELING IN ILLINOIS

1896-1942

PART 3. EAST-CENTRAL ILLINOIS

PART 4. NORTHERN ILLINOIS

Prepared in cooperation with the

STATE OF ILLINOIS

DEPARTMENT OF REGISTRATION AND EDUCATION

GEOLOGICAL SURVEY DIVISION



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UNITED STATES DEPARTMENT OF THE INTERIOR
Harold L. Ickes, Secretary
GEOLOGICAL SURVEY
W. C. Mendenhall, Director

Bulletin 930-C

SPIRIT LEVELING IN ILLINOIS

1896-1941

PART 3. EAST-CENTRAL ILLINOIS

Prepared in cooperation with the
STATE OF ILLINOIS
DEPARTMENT OF REGISTRATION AND EDUCATION
GEOLOGICAL SURVEY DIVISION



UNITED STATES
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SPIRIT LEVELING IN ILLINOIS, 1896-1941

PART 3. EAST-CENTRAL ILLINOIS

INTRODUCTION

Scope of report.—This bulletin, which for convenience is to be published in four parts, contains the results of all spirit leveling done by the Geological Survey in Illinois, including those heretofore published. (See page 925.) Each of the parts deal with one of four sections into which the State has been divided for this purpose and which have been designated southern, east-central, west-central, and northern Illinois. In each part, descriptions of the points for which figures of elevation have been determined are listed according to the quadrangles in which the points occur. In addition to the results of leveling by the Geological Survey the bulletin includes leveling by the State Geological Survey and by the Civil Works Administration.

Classification of leveling.—Spirit leveling is classified according to the degree of refinement in the instruments and methods used and according to the closure errors.

First-order leveling¹ consists of leveling done with the most improved instruments, all sections being leveled twice, in opposite directions, under varying conditions. Closures are not allowed to exceed the amount in feet represented by the formula $0.017\sqrt{\text{length of section in miles}}$. All corrections for rod error, temperature, and unbalanced sights are applied, as well as the orthometric corrections for convergence toward the poles of level surfaces of different elevations.

Second-order leveling, according to regulations of the Geological Survey, comprises lines leveled twice with reliable instruments, though not necessarily of the most improved type. Closures are not allowed to exceed $0.035\sqrt{\text{length of section in miles}}$.

Third-order leveling is made up of lines that are run, either with first-order equipment or with an engineer's wye level and rods of the New York type, in single-line circuits that are required to close

¹ See Avers, H. G., *Manual of first-order leveling*; U. S. Coast and Geodetic Survey Special Pub. 140, 1929.

within the limits, in feet, of $0.05\sqrt{\text{length of circuit in miles}}$. This is equivalent to $0.071\sqrt{\text{length of section in miles}}$ if the line is leveled twice.

All leveling done by the Geological Survey in Illinois is of third-order accuracy except as otherwise stated.

Adjustments.—The adjustment of a net of leveling begins with the first-order lines. Most of these lines in both the United States and Canada have already been combined in a general net, and the orthometric differences derived from the observed values by correction for the convergence of level planes toward the north have been adjusted by least squares to remove accidental closure errors. The latest adjustment of this kind was made in 1929 by the Coast and Geodetic Survey and is known as the "1929 general adjustment of first-order leveling." This adjustment included the first-order lines in Illinois (pl. 2), and the elevations thus derived are the fundamental references for elevations determined by second- and third-order nets. The third-order leveling of the Geological Survey in Illinois has been adjusted by determining weighted mean elevations for new junction points and prorating the errors of each link. The weights are taken as the reciprocals of lengths of links. The third-order net has thus been brought into agreement with the best information available for the results of the fundamental first-order leveling, although the published figures of elevation may be changed slightly by future adjustments of the level net.

Bench marks.—The bench marks used by the Geological Survey (pl. 1) are of two general classes—principal and supplementary. Principal bench marks are placed at more or less regular intervals along a level line, at sites offering them protection from disturbance and affording favorable conditions for their future recovery. They are usually bronze or aluminum tablets, iron posts with bronze caps, or copper bolts.

The tablets (A, B, and C, pl. 1) are circular in shape, measure $3\frac{7}{8}$ inches in diameter, and taper from a thickness of three-eighths of an inch at the center to about a quarter of an inch near the rounded edge. In the earlier years of the Survey's leveling, many of the tablets were made of aluminum. They were light in weight and easily transported. The softness of this metal, however, made them susceptible to damage, so that aluminum as a material for tablets was eventually discarded. The earliest tablets were made of bronze, which is the material now specified for standard tablets. Each tablet is cast with a 3-inch shank extending from the center of its reverse side, by means of which it is held in place, and each bears an inscription on its face. The inscriptions on the existing tablets differ in

many details, because of changes in design at various times. The face of every tablet, however, is cast with the words "U. S. Geological Survey" and "Elevation above sea" and with a large or small cross at the center, which indicates the fiducial point for position or elevation. On some tablets the inscription indicates that they were set in connection with a project in which a State or other organization cooperated; on some, the inscription includes a triangle, which signifies a located point, enclosing a small cross at the center. Tablets bearing a triangle enclosing a cross may be used not only as bench marks but also as triangulation- or traverse-station marks. The inscription on most of the existing principal bench marks includes the warning "250 dollars fine for disturbing this mark," but the latest design omits this phrase and adds the sentence "For information write the Director, Washington, D. C."

If a tablet is set to mark a transit-traverse station, the traverseman stamps upon it with steel dies letters indicating this use of it, such as "Prim Trav Sta," "P T S," or "T T," as well as his own identifying letter or letters, the serial number of the station, and the year. If a tablet is set as a bench mark, the levelman stamps it with his identifying letter or letters, the serial number of the bench mark, and the year. He may at the same time stamp upon it the figures of elevation to the nearest foot, or these figures may be added later. A tablet may be used both as a traverse-station mark and as a bench mark. The engineer who establishes the mark stamps it as noted above and records the stamping with the description to facilitate identification. Engineers who use the mark in subsequent surveys do not alter the original stamping nor add their own stampings with the exception of figures of elevation.

The figures of elevation that appear on a tablet are usually those determined by field computation only. It is sometimes found, therefore, that they do not represent the latest information. This has happened either because they refer to some independent datum temporarily adopted before first-order trunk lines made standard datum available, or because a later adjustment made in the office has rendered necessary an appreciable change in the figures as determined in the field. It is assumed that engineers and others who require accurate figures of elevation for the marks will use those printed in the bulletin instead of accepting the stamped figures. If the appropriate bulletin is not conveniently accessible, a request for the desired information may be addressed to the Director of the Geological Survey, United States Department of the Interior, Washington, D. C.

The tablet, of whatever style, is cemented into a hole drilled in solid rock or in the wall of a public building, bridge abutment, or other masonry structure. Where masonry or rock is not available the tab-

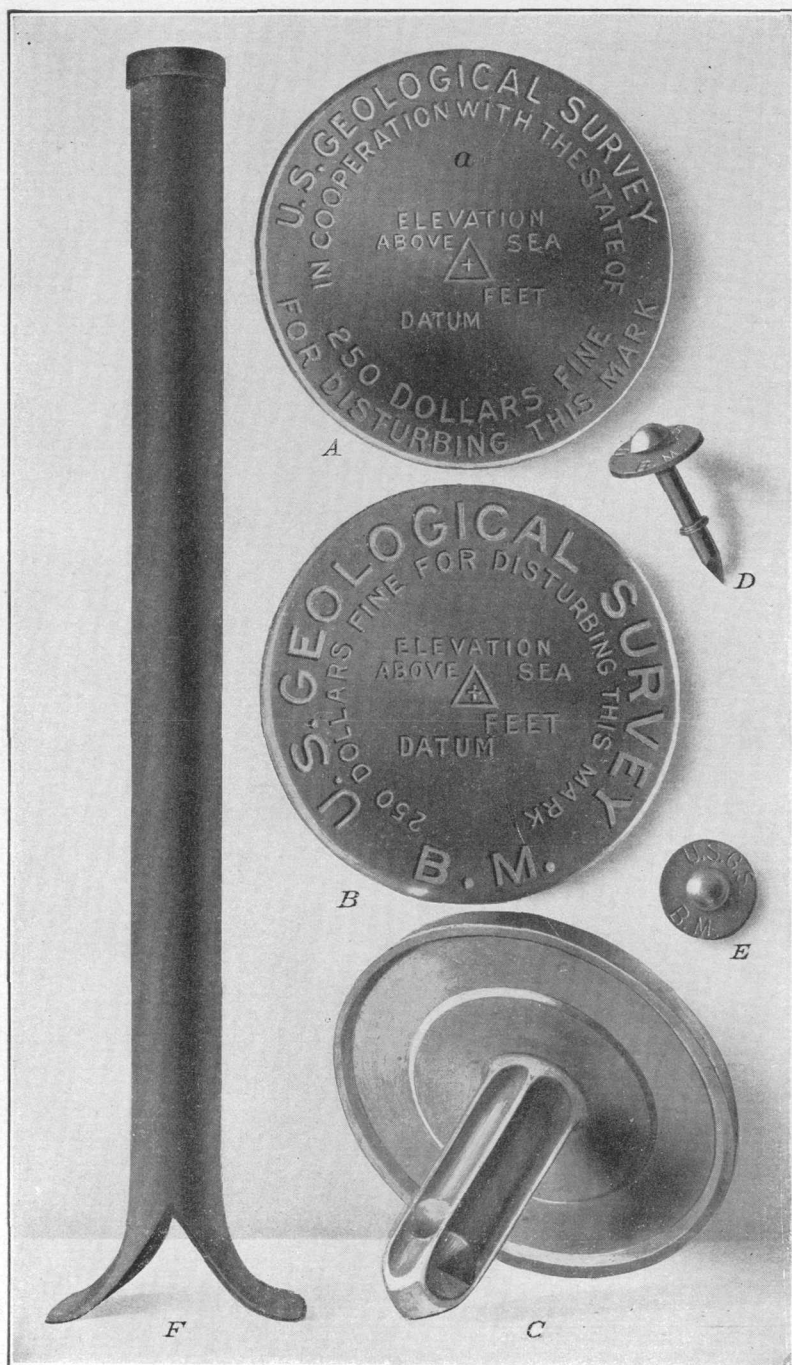
let is set in the top of a reinforced concrete post, which may be either precast or mixed and molded at the selected site. The posts are about 8 inches square or 8 inches in diameter at the top and larger at the base. They are generally set so as to project about 6 inches above ground and are made sufficiently long to reach below the frost line.

The second form of principal bench mark (F, pl. 1), for use where masonry or rock is not available, consists of a hollow wrought-iron post to the top of which is riveted a bronze cap bearing the same general inscriptions as the tablets. These iron posts measure 4 feet in length and $3\frac{1}{2}$ inches in outer diameter and are set about 3 feet in the ground. The bottom of the post spreads out to a width of about 10 inches in order to give it a firm footing in the earth. Few iron posts have been set since 1920. They have proved impracticable, as they are easily disturbed and are eventually destroyed by rust at the ground level.

The third form of principal bench mark is a copper bolt designed to be wedged into a drill hole in rock or masonry and further secured with lead or cement. This bolt measures 4 inches in length and 1 inch in diameter and has a slot at the bottom end into which fits a brass wedge. The wedge serves to expand the lower part of the bolt so that after the bolt has been driven nearly its full length into the hole it cannot be easily removed. The exposed end of the bolt bears an appropriate inscription, stamped upon it with steel dies. The inscription is made up of the letters "U S G S," the letters indicating the datum used, the figures of elevation, and the abbreviated word "Ft." This form of bench mark has not been extensively used.

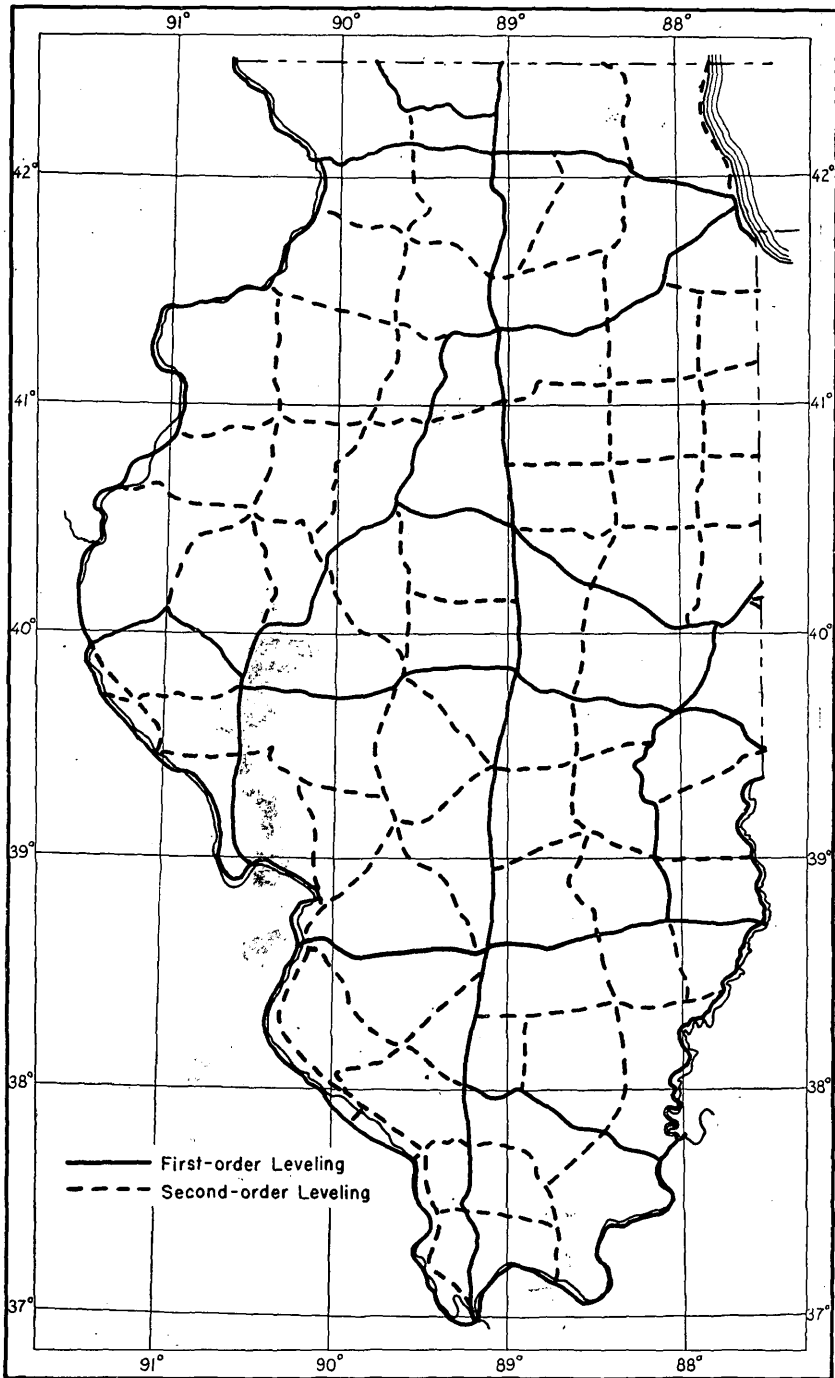
The principal bench mark used on Civil Works Administration projects is a bronze disk similar to the standard tablet used by the Geological Survey. The disk is 3 inches in diameter and has a $2\frac{1}{2}$ -inch shank. Near the center of the convex face of the disk is a small indentation which bisects a grooved line $1\frac{1}{8}$ inches long. The indentation serves as the fiducial point for position on transit-traverse surveys. The line, which lies in a horizontal plane when the disk happens to be set vertically in the walls of structures, is the fiducial line for which figures of elevation are determined by spirit leveling. The disk is cast with the inscription "U. S. Coast & Geodetic Survey and State Survey Station No Elevation Feet." Figures indicating the serial number of the station and the elevation are stamped in the appropriate spaces at the time the surveys are made.

Supplementary or auxiliary bench marks are less formal in design and are placed between the principal bench marks. They are of many kinds. One kind consists of a copper nail $1\frac{1}{2}$ inches long supplied with a copper washer seven-eighths of an inch in diameter (D and E, pl. 1). The nail is driven into the root of a tree or cemented into rock.

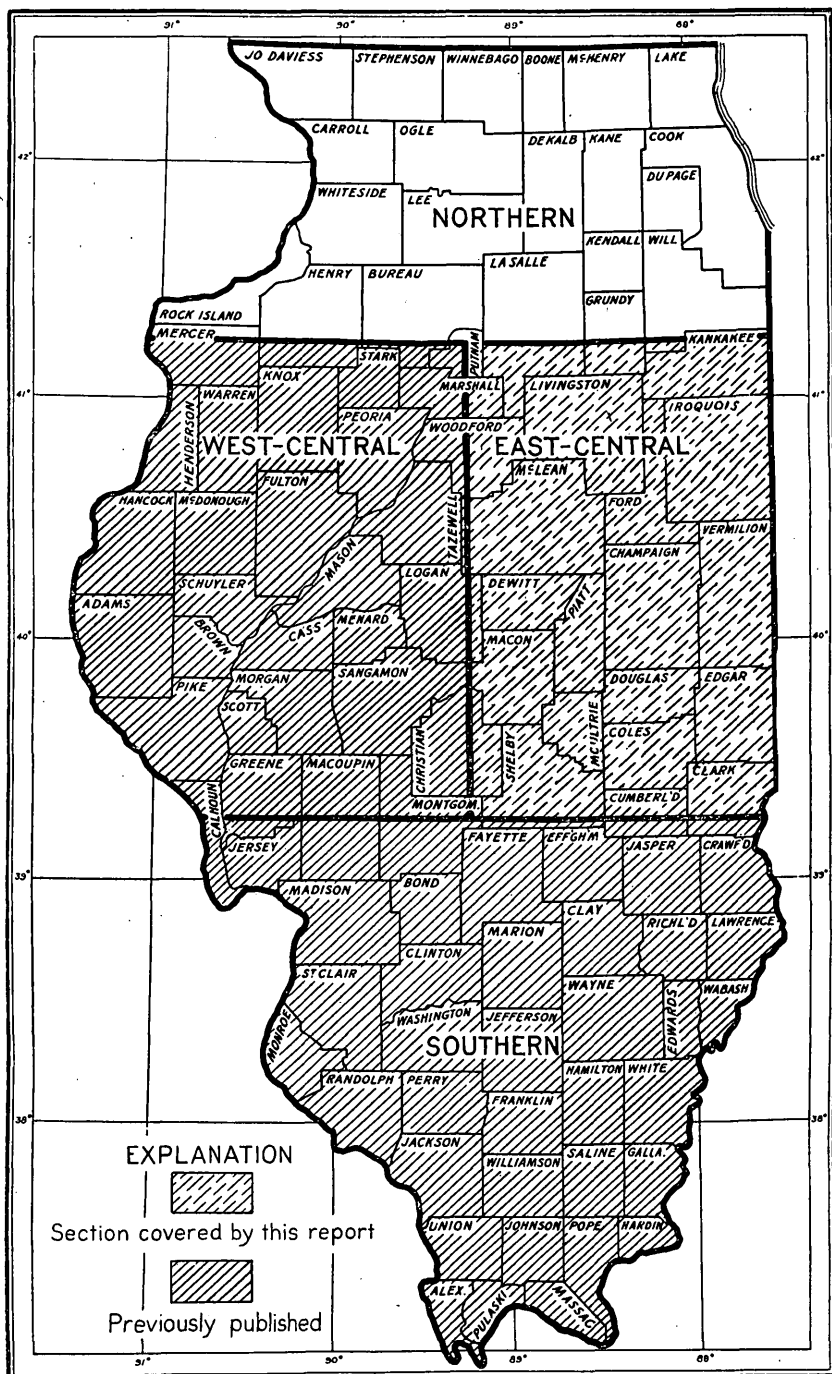


STANDARD GEOLOGICAL SURVEY BENCH MARKS.

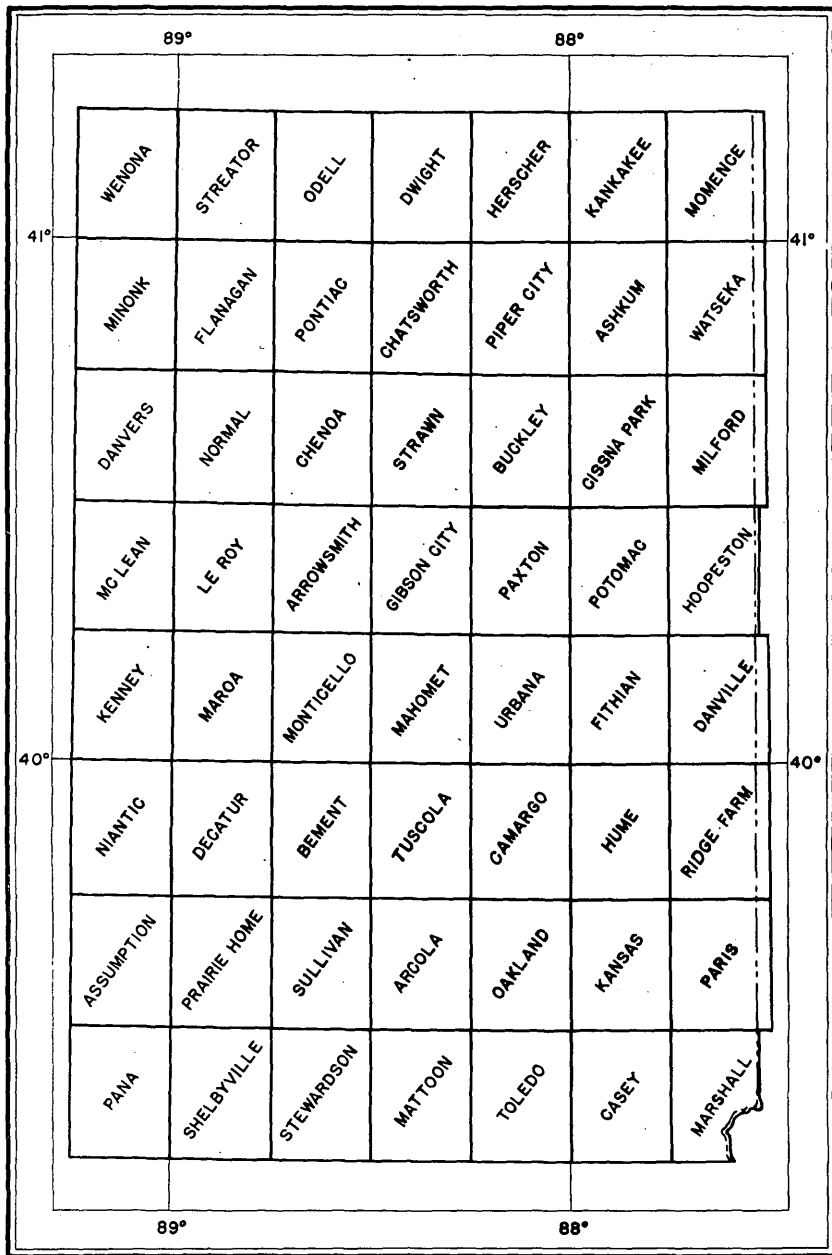
A and *B*, Standard tablets, principal bench marks, used where masonry or rock is available to hold them. *A* is used in cooperating States; the State name is inserted at *a*. *C*, Under side of *A* and *B*, showing shank used to hold tablet in place. *D* and *E*, Two views of copper nail and copper washer, a supplementary bench mark, used for points lying between those marked by standard tablets. *F*, Standard iron post fitted with bronze cap similar in design to the standard tablet, formerly used where no rock or masonry was available; superseded by concrete post with tablet set in top.



OUTLINE MAP OF ILLINOIS SHOWING THE NET OF FIRST- AND SECOND-ORDER LEVELING.



OUTLINE MAP OF ILLINOIS SHOWING THE NAMES AND RELATIVE POSITION OF THE FOUR SECTIONS COVERED BY THE PARTS OF BULLETIN 930.



INDEX MAP OF EAST-CENTRAL ILLINOIS SHOWING THE QUADRANGLES INTO WHICH THIS SECTION OF THE STATE HAS BEEN DIVIDED.

The designation "U S G S B M" is stamped on each washer, and on some washers the abbreviation of the name of the cooperating State is added. Another kind of supplementary bench mark is a chiseled square, used on the horizontal surface of a rock or masonry structure, or a chiseled cross, used on a vertical surface. Nails, track spikes, and small capped iron pipes also serve as supplementary bench marks, and easily described points, such as doorsills and tops of hydrants, are occasionally used.

Preservation and restoration of bench marks.—Any person who finds that a principal bench mark has been damaged, disturbed, or destroyed, or that it should be reset or redescribed on account of highway or other improvements will render a public service by communicating the facts to the Director, Geological Survey, United States Department of the Interior, Washington, D. C., before taking any action affecting the location or elevation of the mark. A proper form, accompanied by a return-addressed, franked envelope, will be sent for use in reporting the action taken and in recording the revised description of the mark, if any, and the notes made in obtaining the revised elevation.

Datum.—All elevations determined by the Geological Survey and those determined by the Coast and Geodetic Survey for inland mapping are referred to mean sea level, which is the level that the sea would assume if the influence of winds, tides, and currents were eliminated. This level is not the elevation determined from the mean of the highest and 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 observations made by means of tidal gages placed at stations where local conditions, such as those due to 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 determined from observations made in the Atlantic Ocean, the Gulf of Mexico, and the Pacific Ocean.²

Location of the area.—East-central Illinois, as the term is used in this bulletin and as the subject of part 3 of the bulletin, is that section of the State lying between latitudes 39°15' and 41°15' and east of longitude 89°15'. (See pl. 7.)

² See Jones, E. L., *Hypsometry—Use of mean sea level as the datum for elevations*: U. S. Coast and Geodetic Survey Special Pub. 41, 1917; *Manual of tide observations*: U. S. Coast and Geodetic Survey Special Pub. 198, 1935.

Index map.—The accompanying index map of east-central Illinois (pl. 8) shows the relative position of the quadrangle areas in which leveling has been done. A quadrangle is the unit of topographic survey adopted by the Geological Survey for mapping purposes. All the quadrangles referred to in listing the results of leveling in east-central Illinois measure 15 minutes in latitude by 15 minutes in longitude.

Topographic maps of quadrangles in east-central Illinois for which surveys have been completed may be purchased at 10 cents each retail or 6 cents each in lots of 50 or more. Prepayment is required and may be made by money order, payable to the Director of the Geological Survey, or in cash—the exact amount, at sender's risk. Postage stamps should not be sent.

Diagrams of quadrangles showing routes of leveling.—At the beginning of the list of bench mark descriptions for each quadrangle is a diagram showing the routes followed by the lines of leveling in and immediately adjacent to the quadrangle. To aid in identifying these routes, the boundaries of the townships and ranges in the quadrangles are indicated by light dashed lines and the designations of these land subdivisions are given on the margin. Some of the principal settlements are also shown. The solid lines represent the routes of third-order leveling. To each of these is assigned a number, and the same number is assigned to the list of descriptions of bench marks along that route.

Cooperation.—Since 1906 equal allotments of funds for topographic surveys including leveling have been made from Federal and State sources. The cooperating agency in Illinois is the State Geological Survey Division, Department of Registration and Education. All principal bench marks established by the Geological Survey since the beginning of the cooperative agreement are stamped with the full or abbreviated State name.

Personnel.—The leveling of the Geological Survey in east-central Illinois was done under the supervision of the several chief geographers or chief topographic engineers who were in administrative charge of the topographic branch during the years when the lines were run. Leveling by the State Geological Survey was under the supervision of the State geologist. Recent leveling on Civil Works Administration projects was under the supervision of the chief of the State Geological Survey Division, Department of Registration and Education. The name of the levelman who ran a particular line and the date when it was run immediately follow the designation of the route of that line and form part of the heading that precedes the descriptions of bench marks. The adjustment of the third-order level net, which included the adjustment of the recent leveling and readjustment of the earlier

work, was made by S. R. Archer, associate engineer. The correlation and compilation of the descriptions and figures of elevation of the bench marks and the assembling of the lists were done by R. G. Clinite, associate geodetic engineer, under the supervision of R. M. Wilson, chief of the section of computing, under the general direction of J. G. Staack, chief topographic engineer.

Related publications.—(1) Earlier publications on spirit leveling in Illinois issued by the Geological Survey are as follows:

Triangulation and spirit leveling, Illinois: U. S. Geol. Survey 18th Ann. Rept., pt. 1, pp. 324-325, 1897.

Triangulation and spirit leveling, Illinois: U. S. Geol. Survey 19th Ann. Rept., pt. 1, pp. 256-257, 1898.

Results of spirit leveling in Illinois, 1896 to 1908, inclusive: U. S. Geol. Survey Bull. 421, 74 pp., 1910.

Results of spirit leveling in Illinois, 1909 and 1910: U. S. Geol. Survey Bull. 493, 115 pp., 1911.

Results of spirit leveling in Illinois, 1911 to 1913, inclusive: U. S. Geol. Survey Bull. 553, 110 pp., 1914.

Results of spirit leveling in Illinois, 1914 to 1917, inclusive: U. S. Geol. Survey Bull. 672, 108 pp., 1918.

(2) For additional leveling in quadrangles which overlap an adjoining State, see the following Geological Survey publication:

Bull. 555, Results of spirit leveling in Indiana, 1913.

DESCRIPTIONS OF BENCH MARKS

ARCOLA QUADRANGLE

[Latitude 39°30'–39°45'; longitude 88°15'–88°30']

COLE, DOUGLAS, AND MOULTRIE COUNTIES

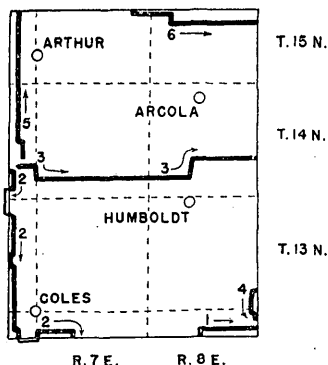


FIGURE 157.—Lines of leveling in Arcola quadrangle.

1. From point on State Highway 16 about 4.5 miles northeast of Mattoon north and east along highway to point 4.3 miles north-west of Charleston (by F. D. Kramer in 1924)

[Continued from Mattoon quadrangle, line 4]

Mattoon, 3.9 mi. E. thence 1.0 mi. N. from, 0.25 mi. W. of NE. cor. sec. 9, T. 12 N., R. 8 E., on W. side of rd., near beginning of curve in highway, on top of SW. end of concrete wall of culvert; chiseled square	Feet 677.27
Mattoon, 5.9 mi. NE. of, 0.25 mi. E. of quarter corner between secs. 3 and 10, T. 12 N., R. 8 E., at junction of T-rd. N., on W. end of angle wall of concrete culvert; chiseled square	667.01
Mattoon, 6.8 mi. NE. of, 0.18 mi. E. of quarter corner between secs. 2 and 11, T. 12 N., R. 8 E., 372 ft. W. of junction of T-rd. N., at concrete bridge over branch of Riley Creek, on top of S. end of W. abutment; chiseled square	657.51
Mattoon, 7.2 mi. NE. of, 5.2 mi. NW. of Charleston, 0.8 mi. N. of Loxa, opposite North Loxa School, near SE. cor. sec. 2, T. 12 N., R. 8 E., in NW. angle of crossroads, inside fence, in concrete post; standard tablet stamped "Prim Trav Sta No 52 LS 29 K 1924" ³	675.112
Reference mark 1, 162 ft. S.40°W. of tablet, in yard at rear of school-house, on top of NE. corner of concrete well cover; chiseled square	674.90
Reference mark 2, 60 ft. S. and 100 ft. W. from tablet, on E. head wall of concrete culvert under drive to schoolyard; chiseled square	673.11

³ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "G 87 1935," elevation 672.650 ft.

Charleston, 4.5 mi. along State Highway 16 NW. of Coles County courthouse at, 0.25 mi. E. of quarter corner between secs. 1 and 12, T. 12 N., R. 8 E., at concrete bridge over Riley Creek, on top of S. wing wall of E. concrete abutment; chiseled square (recovered in 1930) -----	Feet 640. 82
Riley Creek, under bridge; surface of water Aug. 29, 1924 -----	628. 9

[Continued in Oakland quadrangle, line 4]

2. From point 6 miles south and 1.5 miles west from Arthur along roads generally south to crossroads 2.9 miles north of Gays, thence generally east to point 1 mile north and 3 miles west from Mattoon (by E. W. Gouchenour in 1929)

[Continued from Sullivan quadrangle, line 2]

Arthur, 6.0 mi. S. and 1.2 mi. W. from, 0.25 mi. W. of E $\frac{1}{4}$ cor. sec. 26, T. 14 N., R. 6 E., 20 ft. S. and 53 ft. W from junction of T-rd S., in root on N. side of twin hackberry tree; copper nail and washer (recovered in 1930) -----	654. 90
Arthur, 7.0 mi. S. and 1.2 mi. W. from, 0.25 mi. W. of E $\frac{1}{4}$ cor. sec. 35, T. 14 N., R. 6 E., 20 ft. S. and 22 ft. E. from junction of E.-W. rd., on large boulder; chiseled square -----	653. 97

[Jogs into Sullivan quadrangle, line 3]

Allenville, 1.0 mi. N. and 1.8 mi. E. from, in SE $\frac{1}{4}$ sec. 14, T. 13 N., R. 6 E., at bridge over Kaskaskia River, on W. side of S. abutment; chiseled square -----	622. 21
Allenville, 0.8 mi. N. and 1.8 mi. E. from, 1.2 mi. W. and 3.0 mi. N. from Coles, 0.25 mi. W. of SE cor. sec. 14, T. 13 N., R. 6 E., 20 ft. N. of center line of rd. W., 33 ft. W. of center line of rd. N., 10 ft. W. of concrete corner post, 1.5 ft. S. of fence, in concrete post; standard tablet stamped "T T Sta No 42 E 1929" -----	632. 332
Coles, 1.5 mi. W. and 2.5 mi. N. from, at Henton School, near center of sec. 23, T. 13 N., R. 6 E., 55 ft. N. and 50 ft. W. from NW. corner of schoolhouse, in root on E. side of twin oak tree; copper nail and washer -----	648. 97
Coles, 1.2 mi. W. thence 2.3 mi. N. from, in SE $\frac{1}{4}$ sec. 23, T. 13 N., R. 6 E., 15 ft. E. of junction of rd. SE., in root of hickory tree; copper nail and washer -----	651. 72
Coles, 1.2 mi. W. thence 1.0 mi. N. from, 0.25 mi. W. of SE cor. sec. 26, T. 13 N., R. 6 E., 15 ft. N. and 27 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 41 E 1929" -----	655. 570
Reference mark, 25 ft. S. and 45 ft. W. from tablet, on S. end of E. abutment of steel-girder bridge over ditch; chiseled square -----	656. 39
Coles, 1.2 mi. W. of, opposite Crabapple School, 0.25 mi. W. of NE cor. sec. 2, T. 12 N., R. 6 E., 30 ft. S. and 20 ft. E. from crossroads, on E. end of concrete culvert; chiseled square -----	664. 75
Coles, 1.2 mi. W. thence 0.8 mi. S. from, 3.9 mi. N. of Gays, near center of SE $\frac{1}{4}$ sec. 2, T. 12 N., R. 6 E., 160 ft. S. and 10 ft. W. from junction of T-rd. W., on W. rail of concrete culvert; chiseled square -----	643. 54

[Jogs into Mattoon quadrangle, line 7]

Coles, 1.0 mi. S. of, near NW. cor. sec. 7, T. 12 N., R. 7 E., 10 ft. S. and 20 ft. E. from junction of T-rd. E., on S. end of steel culvert; highest point -----	670. 54
-------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------

Coles, 1.0 mi. S. thence 1.3 mi. E. from, 1.3 mi. N. and 3.7 mi. W. from Mattoon, about 0.3 mi. E. of NW. cor. sec. 8, T. 12 N., R. 7 E., 400 ft. E. of T-rd. S., on S. side of rd., in root on N. side of elm tree; copper nail and washer----- *Feet*
690. 15

[Connects with line 4 in Mattoon quadrangle]

3. From road junction 6 miles south and 1.2 miles west from Arthur generally east along roads to point 2.5 miles north and 3.8 miles east from Humboldt (by L. V. Johnson in 1930)

Arthur, 5.8 mi. S. and 0.7 mi. W. from, 2.8 mi. N. thence 0.7 mi. W. from Fuller, near center of NW¼ sec. 25, T. 14 N., R. 6 E., 19 ft. N. and 33 ft. E. from junction of T-rd. N., in concrete post; standard tablet stamped "T T Sta No 30 E 1929"----- 665. 735

Reference mark, 300 ft. E. of rd. junction, on S. side of rd., in root on N. side of five-forked tree; copper nail and washer----- 661. 77

Arthur, 5.8 mi. S. of, 2.8 mi. N. of Fuller, 0.25 mi. S. of NE. cor. sec. 25, T. 14 N., R. 6 E., 30 ft. N. and 150 ft. W. from junction of N-S. rd., in root on SE. side of 24-in. sycamore tree; copper nail and washer----- 660. 61

Arthur, 1.0 mi. E. thence 6.5 mi. S. from, 1.5 mi. N. thence 7.0 mi. W. from Humboldt, near NW. cor. sec. 32, T. 14 N., R. 7 E., 60 ft. S. and 14 ft. E. from junction of T-rd. E., in concrete post; standard tablet stamped "T T Sta No 31 E 1929"----- 663. 842

Reference mark, 22 ft. N. and 25 ft. E. from rd. junction, on concrete head wall of culvert; chiseled square----- 662. 86

Humboldt, 1.5 mi. N. thence 6.0 mi. W. from, near NW. cor. sec. 33, T. 14 N., R. 7 E., 22 ft. S. and 25 ft. E. from junction of T-rd. N., 6 ft. E. of center line of private rd. S., on highest point of large granite boulder; chiseled square----- 670. 32

Humboldt, 1.5 mi. N. thence 5.0 mi. W. from, near SW. cor. sec. 27, T. 14 N., R. 7 E., 10 ft. N. and 95 ft. E. from junction of T-rd. S., at small bridge over drain, on NW. end of NW. concrete wing wall; chiseled square----- 647. 67

Humboldt, 1.5 mi. N. thence 4.3 mi. W. from, at Senteney School, 0.25 mi. W. of NE. cor. sec. 34, T. 14 N., R. 7 E., on S. side of rd., 12 ft. W. of corner post of W. fence of schoolyard, 1 ft. N. of fence, in concrete post; standard tablet stamped "T T Sta No 32 E 1929"----- 661. 157

Reference mark, on W. side of step gate to schoolhouse, on NW. corner of first concrete step; chiseled square----- 662. 93

Humboldt, 1.5 mi. N. thence 3.5 mi. W. from, near N¼ cor. sec. 35, T. 14 N., R. 7 E., 20 ft. S. and 22 ft. E. from crossroads, 3 ft. SE. of telephone pole, on concrete base of corner fence post; chiseled square----- 662. 71

Humboldt, 1.5 mi. N. thence 2.7 mi. W. from, 0.31 mi. E. of W. cor. secs. 25 and 36, T. 14 N., R. 7 E., 520 ft. E. of steel bridge over Kaskaskia River, 330 ft. E. of junction of T-rd. N., on sidewalk leading to farmhouse; chiseled square----- 651. 21

Humboldt, 1.5 mi. N. thence 1.9 mi. W. from, near NW. cor. sec. 31, T. 14 N., R. 8 E., 470 ft. E. of junction of T-rd. E., 12 ft. S. of rd., on small concrete head wall of culvert; chiseled square----- 656. 65

Humboldt, 1.5 mi. N. thence 1.0 mi. W. from, near NW. cor. sec. 32, T. 14 N., R. 8 E., 28 ft. S. and 20 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 33 E 1929"----- 666. 010

Reference mark, 23 ft. N. and 26 ft. W. from crossroads, in root on S. side of 16-in. hedge tree; copper nail and washer----- 666. 22

Humboldt, 1.6 mi. N. of along U. S. Highway 45, 0.19 mi. E. of SW. cor. sec. 28, T. 14 N., R. 8 E., 17 ft. N. and 15 ft. W. from intersection of E.-W. rd. and highway, on N. head wall of concrete culvert; chiseled square-----	<i>Feet</i> 667.00
Humboldt, 2.6 mi. along highway NE. of, 3.0 mi. S. of Arcola, 0.3 mi. E. of NW. cor. sec. 28, T. 14 N., R. 8 E., 15 ft. S. and 22 ft. W. from intersection of U. S. Highway 45 and E.-W. rd., on S. head wall of concrete culvert; chiseled square-----	661.22
Humboldt, 2.5 mi. N. thence 1.0 mi. E. from, near SW. cor. sec. 22, T. 14 N., R. 8 E., 28 ft. N. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 34 E 1929"-----	666.888
Reference mark, in NE. corner of crossroads, on E. head wall of concrete culvert; chiseled square-----	667.51
Humboldt, 2.5 mi. N. thence 2.0 mi. E. from, near NW. cor. sec. 26, T. 14 N., R. 8 E., 43 ft. S. and 90 ft. E. from crossroads, in NE. corner of grove of ash trees, in root on NE. side of 12-in. ash tree; copper nail and washer-----	680.05
Humboldt, 2.5 mi. N. thence 3.0 mi. E. from, near SE. cor. sec. 23, T. 14 N., R. 8 E., 20 ft. N. and 27 ft. W. from crossroads, in root on SE. side of 36-in. hedge tree; copper nail and washer-----	685.48

[Continued in Oakland quadrangle, line 5]

4. From point 1 mile south and 5.1 miles east from Dorans along roads west 0.4 mile, thence south to road junction 4.5 miles northwest of Charleston (by L. V. Johnson in 1930)

[Continued from Oakland quadrangle, line 5]

Dorans, 1.0 mi. S. and 4.7 mi. E. from, near N $\frac{1}{4}$ cor. sec. 36, T. 12 N., R. 8 E., 14 ft. S. and 50 ft. W. from junction of T-rd. S., on S. head wall of concrete culvert; chiseled square-----	673.39
Dorans, 2.0 mi. S. and 4.7 mi. E. from, 4.5 mi. NW. thence 1.2 mi. N. from Charleston, near S $\frac{3}{4}$ cor. sec. 36, T. 13 N., R. 8 E., 26 ft. N. and 14 ft. E. from junction of T-rd. W., on E. head wall of concrete culvert; chiseled square-----	655.09
5. From road junction 5.8 miles south and 0.7 mile west from Arthur generally north along roads to point 2.2 miles north and 1 mile west from Arthur (by L. V. Johnson in 1930; releveled from point 0.5 mile south and 1 mile west from Arthur by S. R. Archer in 1935)	
Arthur, 4.7 mi. S. and 0.7 mi. W. from, 0.09 mi. N. of center of NW $\frac{1}{4}$ sec. 24, T. 14 N., R. 6 E., 840 ft. S. of junction of E.-W. rd., 12 ft. W. of rd., on W. head wall of concrete culvert; chiseled square-----	664.82
Arthur, 4.5 mi. S. thence 1.0 mi. W. from, at Lilly School, near SE. cor. sec. 14, T. 14 N., R. 6 E., 155 ft. N. and 75 ft. W. from junction of T-rd. N., in NW. corner of schoolyard, in root on SW. side of 18-in. maple tree; copper nail and washer-----	665.54
Arthur, 3.5 mi. S. thence 1.0 mi. W. from, near NW. cor. sec. 13, T. 14 N., R. 6 E., 18 ft. S. and 27 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 44 E 1929"-----	676.910
Reference mark, 105 ft. N. and 14 ft. W. from crossroads, in root on SE. side of 30-in. elm tree; copper nail and washer-----	674.70
Arthur, 2.5 mi. S. thence 1.0 mi. W. from, at McDonald School, near NE. cor. sec. 11, 65 ft. S. and 26 ft. W. from crossroads, on SE. corner of sidewalk to schoolhouse; chiseled square-----	667.44

Arthur, 1.5 mi. S. thence 1.0 mi. W. from, near SW. cor. sec. 36, T. 15 N., R. 6 E., 22 ft. N. and 26 ft. E. from crossroads, on concrete base of corner fence post; chiseled square-----	<i>Fect</i> 657. 70
Arthur, 0.5 mi. S. thence 1.0 mi. W. from, near SE. cor. sec. 26, T. 15 N., R. 6 E., 24 ft. N. and 17 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 45 E 1929" (recovered by U. S. C. & G. S. in 1933)-----	672. 515
Reference mark, 250 ft. S. of crossroads, on W. side of rd., in root on E. side of 40-in. elm tree; copper nail and washer (recovered by U. S. C. & G. S. in 1933)-----	672. 518
Arthur, 0.5 mi. N. thence 1.0 mi. W. from, near NE. cor. sec. 26, T. 15 N., R. 6 E., 17 ft. S. and 17 ft. W. from crossroads, on NE. corner of E. wing wall of concrete culvert under E.-W. rd.; chiseled square-----	661. 87
Arthur, 1.5 mi. N. thence 1.0 mi. W. from, at Bolinger School, near NW. cor. sec. 24, T. 15 N., R. 6 E., in SE. angle of crossroads, 1 ft. SW. of SW. corner of schoolhouse, on concrete walk leading to schoolhouse; chiseled square-----	665. 56

[Continued in Tuscola quadrangle, line 1]

6. From point 0.3 mile north of Bourbon alternately south and east along roads to point 2.7 miles east of Galton (by L. V. Johnson in 1930)

[Continued from Tuscola quadrangle, line 1]

Bourbon, near N. edge of, 80 ft. N. and 25 ft. E. from intersection of Chicago & Eastern Illinois R. R., near N. right-of-way fence line, in concrete post; standard tablet stamped "T T Sta No 29 F 1929" ⁴ -----	667. 315
Reference mark, 2.5 ft. E. of SE. corner of post office porch, on concrete walk; chiseled square-----	667. 20
Bourbon, 1.2 mi. E. of, near W $\frac{1}{4}$ cor. sec. 18, T. 15 N., R. 8 E., 18 ft. S. and 12 ft. E. from junction of T-rd. S., on E. head wall of concrete culvert; chiseled square-----	671. 26
Bourbon, 2.1 mi. E. of, near E $\frac{1}{4}$ cor. sec. 18, T. 15 N., R. 8 E., 25 ft. N. and 20 ft. W. from junction of N.-S. rd., on concrete base of corner fence post of fence lines N. and W.; chiseled square-----	685. 32
Bourbon, 2.1 mi. E. thence 0.5 mi. S. from, near NE. cor. sec. 19, T. 15 N., R. 8 E., 33 ft. S. and 43 ft. W. from junction of T-rd. E., in NE. corner of farmyard, in root on N. side of 36-in. maple tree; copper nail and washer-----	685. 48
Bourbon, 0.5 mi. S. and 3.1 mi. E. from, 1.1 mi. W. of Galton, near NE. cor. sec. 20, T. 15 N., R. 8 E., 25 ft. S. and 40 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 30 F 1929"-----	667. 129
Reference mark, 23 ft. SW. of tablet, in SW. corner of crossroads, in root on SE. side of 20-in. maple tree; copper nail and washer-----	667. 55
Galton, at post office and Vandorn's general store, 4.0 mi. along highway N. of Arcola, 40 ft. S. and 33 ft. W. from intersection of U. S. Highway 45, on NE. corner of first concrete step; chiseled square-----	650. 78
Galton, 0.9 mi. E. of, 4.0 mi. S. of Tuscola, near NW. cor. sec. 22, T. 15 N., R. 8 E., 25 ft. S. and 40 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 31 F 1929"-----	643. 379

⁴In 1931 this bench mark was moved 17 ft. N.67°44'E. from this position and reset at an elevation 0.079 ft. higher than that originally determined. The figures given represent the new elevation.

	<i>Feet</i>
Reference mark, in NW. corner of crossroads, on concrete base of first post N. of corner fence post; chiseled square-----	643. 17
Galton, 1.9 mi. E. of, at Maple Grove School, near SW. cor. sec. 13, T. 15 N., R. 8 E., 25 ft. N. and 80 ft. E. from crossroads, on SW. corner of concrete walk to schoolhouse; chiseled square.-----	643. 21

[Continued in Oakland quadrangle, line 6]

ARROWSMITH QUADRANGLE

[Latitude 40°15'–40°30'; longitude 88°30'–88°45']

DE WITT, McLEAN, AND PIATT COUNTIES

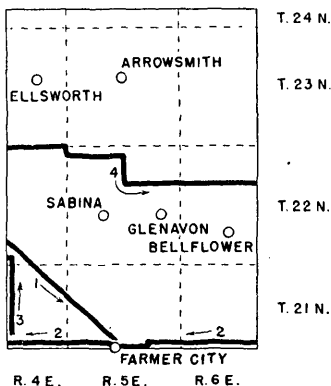


FIGURE 158.—Lines of leveling in Arrowsmith quadrangle.

1. From point near Le Roy southeast along Cleveland, Cincinnati, Chicago & St. Louis Railway to Farmer City (by E. L. McNair in 1905; first-order leveling)

[Continued from Le Roy quadrangle, line 1]

Le Roy, 4.2 mi. SE. of, 5.0 mi. NW. of Farmer City, at Empire, 130 ft. W. of sta., 15 ft. N. of track, 15 ft. E. of switch stand at siding; standard iron post with bronze cap designated "V"-----	Feet 755. 028
Farmer City, 1.1 mi. NW. of, at small I-beam bridge, 10 ft. from track, in S. side of W. abutment; aluminum tablet designated "W"-----	730. 169
Farmer City, 386 ft. SE. of junction of C. C. C. & St. L. Ry. and Illinois Central R. R., 18 ft. S. of track, 65 ft. S. of intersection of track and first street E. of C. C. C. & St. L. Ry. sta.; standard iron post with bronze cap designated "X" (stamped "Prim Trav Sta No 33 Mac 1923" in 1923; recovered in 1930)-----	731. 960

[Continued in Monticello quadrangle, line 1]

2. From point 1 mile south and 0.6 mile west from Blue Ridge generally west along roads to point 5.5 miles west of Farmer City (by L. V. Johnson in 1930)

[Connects with line 1 in Gibson City quadrangle]

Blue Ridge, 1.0 mi. S. and 1.5 mi. W. from, near SW. cor. sec. 22, T. 21 N., R. 6 E., 8 ft. N. and 140 ft. E. from crossroads, on N. concrete head wall of culvert; chiseled square-----	752. 63
Blue Ridge, 1.0 mi. S. and 2.5 mi. W. from, near NW. cor. sec. 28, T. 21 N., R. 6 E., 30 ft. S. and 38 ft. E. from crossroads, 10 ft. SE. of fence corner, in root on NE. side of 18-in. elm tree; copper nail and washer-----	726. 28

Blue Ridge, 1.0 mi. S. and 3.5 mi. W. from, 4.9 mi. E. of intersection of Cleveland, Cincinnati, Chicago & St. Louis Ry. and Illinois Central R. R. at Farmer City, near E. cor. secs. 19 and 30, T. 21 N., R. 6 E., 75 ft. W. of junction of rd. S., 50 ft. W. of junction of rd. N., 20 ft. W. of corner, 5 ft. W. of gatepost, in concrete post; standard tablet stamped "Prim Trav Sta No 31 Mac 1923"-----	<i>Feet</i> 717.164
Reference mark, 540 ft. W. of crossroads, on SE. wing wall of bridge; chiseled square-----	715.78
Farmer City, 3.8 mi. E. of, near NE. cor. sec. 25, T. 21 N., R. 5 E., 400 ft. W. of crossroads, on SE. wing wall of bridge over drain; chiseled square-----	714.01
Farmer City, 2.9 mi. E. of, near NE. cor. sec. 26, T. 21 N., R. 5 E., 25 ft. S. and 28 ft. W. from crossroads, in NE. corner of farmyard, in root on N. side of 30-in. elm tree; copper nail and washer-----	721.14
Farmer City, 2.0 mi. E. of, about 0.25 mi. SE. of NW. cor. sec. 26, T. 21 N., R. 5 E., in front of house, 6 ft. N. of gate, in concrete post; standard tablet stamped "Prim Trav Sta No 32 Mac 1923"-----	712.251
Reference mark, 65 ft. S. of junction of T-rd. W., 15 ft. S. of rd. to farm building, in root on NE. side of 18-in. poplar tree; copper nail and washer-----	712.19
Farmer City, 1.6 mi. E. of, in NE $\frac{1}{4}$ sec. 27, T. 21 N., R. 5 E., 15 ft. N. and 55 ft. E. from steel bridge over Salt Creek, on NE. wing wall; chiseled square-----	707.45
Farmer City, 1.1 mi. E. of, in NW $\frac{1}{4}$ sec. 27, T. 21 N., R. 5 E., 25 ft. S. and 60 ft. E. from rd. junction, 30 ft. E. of telephone pole, 30 ft. N. of NW. corner of farmhouse, in root on NW. side of 30-in. oak tree; copper nail and washer-----	714.34
Farmer City, 0.5 mi. W. of, 0.2 mi. W. of NE. cor. sec. 29, T. 21 N., R. 5 E., 17 ft. S. of rd., 140 ft. E. of fence lines S. and W., on S. concrete head wall of culvert; chiseled square-----	723.50
Farmer City, 1.7 mi. W. of, about 900 ft. E. of S $\frac{1}{4}$ cor. sec. 19, T. 21 N., R. 5 E., 700 ft. W. of junction of T-rd. S., in front of farmhouse, 3 ft. W. of fence corner, in root on S. side of 30-in. maple tree; copper nail and washer-----	732.37
Farmer City, 2.3 mi. W. of, near NW. cor. sec. 30, T. 21 N., R. 5 E., 20 ft. S. and 30 ft. E. from junction of T-rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 34 Mac 1923"-----	733.134
Reference mark, 1,500 ft. E. of tablet, on S. head wall of culvert over creek; chiseled square-----	723.77
Farmer City, 3.3 mi. W. of, near SE. cor. sec. 23, T. 21 N., R. 4 E., 20 ft. N. and 20 ft. W. from crossroads, on concrete base of corner fence post; chiseled square-----	743.45
Farmer City, 4.3 mi. W. of, near NW. cor. sec. 26, T. 21 N., R. 4 E., 23 ft. S. and 60 ft. E. from center of rd. at N-S. fence line, in NW. corner of farmyard, in root on N. side of 48-in. elm tree; copper nail and washer-----	753.60
Farmer City, 5.3 mi. W. of, near NW. cor. sec. 27, T. 21 N., R. 4 E., 15 ft. S. and 30 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 35 Mac 1923" (recovered in 1936)-----	755.739

[Continued in Le Roy quadrangle, line 5]

3. From point 5.3 miles west of Farmer City north along road to point 2 miles south and 0.8 mile east from Le Roy (by L. V. Johnson in 1930)

Farmer City, 5.3 mi. W. thence 1.0 mi. N. from, near SW. cor. sec. 15, T. 21 N., R. 4 E., 36 ft. N. and 40 ft. E. from crossroads, in SW. corner of churchyard, in root on W. side of 24-in. maple tree; copper nail and washer-----	Feet 751.04
Farmer City, 5.3 mi. W. thence 2.8 mi. N. from, 3.7 mi. S. and 1.0 mi. E. from Le Roy, 0.25 mi. S. of NE. cor. sec. 9, T. 21 N., R. 4 E., 30 ft. W. of junction of T-rd. E., 4 ft. N. of gate, in concrete post; standard tablet stamped "Prim Trav Sta No 51 Mac 1923"-----	748.606
Reference mark, 35 ft. N. and 35 ft. E. from crossroads, in root on SW. side of 36-in. maple tree; copper nail and washer-----	748.52
Le Roy, 2.5 mi. S. and 1.0 mi. E. from, near S. cor. secs. 33 and 34, T. 22 N., R. 4 E., 200 ft. N. of junction of T-rd. E., 18 ft. N. and 15 ft. W. from bridge over creek, on rock head wall; chiseled square-----	729.20
Le Roy, 2.0 mi. S. and 1.0 mi. E. from, near W $\frac{1}{4}$ cor. sec. 34, T. 22 N., R. 4 E., 25 ft. E. of junction of T-rd. W., on concrete head wall of culvert; chiseled square-----	738.16

[Continued in Le Roy quadrangle, line 6]

4. From point 3.2 miles north and 0.8 mile east from Le Roy along roads alternately east and south to point 2.2 miles north and 1.4 miles east from Bellflower (by L. V. Johnson in 1930)

[Connects with line 3 in Le Roy quadrangle]

Le Roy, 3.2 mi. N. thence 0.9 mi. E. from, 3.5 mi. S. thence 1.6 mi. W. from Ellsworth, about 500 ft. W. of SE. cor. sec. 33, T. 23 N., R. 4 E., 12 ft. N. and 30 ft. E. from junction of T-rd. N., on top of N. head wall of concrete culvert; chiseled square-----	831.20
Ellsworth, 3.5 mi. S. thence 0.5 mi. W. from, near S. cor. secs. 34 and 35, T. 23 N., R. 4 E., 25 ft. N. of rd., at top of hill, 330 ft. E. of gate to farmhouse, in root on S. side of 15-in. oak tree; copper nail and washer-----	836.33
Ellsworth, 3.5 mi. S. of, near N $\frac{1}{4}$ cor. sec. 2, T. 22 N., R. 4 E., 27 ft. S. and 21 ft. E. from junction of T-rd. N., 21 ft. E. of E. gatepost, 5 ft. SW. of telephone pole, in concrete post; standard tablet stamped "5 J 1930"-----	802.420
Reference mark, in SW. angle of rd. junction, on S. head wall of concrete culvert; chiseled square-----	803.73
Ellsworth, 3.5 mi. S. thence 1.6 mi. E. from, near SW. cor. sec. 31, T. 23 N., R. 5 E., 370 ft. N. of junction of N-S. rd., 10 ft. E. of rd., on S. end of E. head wall of concrete culvert; chiseled square-----	843.80
Ellsworth, 4.0 mi. S. and 1.6 mi. E. from, near W $\frac{1}{4}$ cor. sec. 6, T. 22 N., R. 5 E., 20 ft. S. and 12 ft. E. from junction of T-rd. E., on S. head wall of concrete culvert; chiseled square-----	801.20
Ellsworth, 4.0 mi. S. and 2.6 mi. E. from, near E $\frac{1}{4}$ cor. sec. 6, T. 22 N., R. 5 E., 17 ft. N. and 70 ft. W. from junction of rd. N., 17 ft. N. and 16 ft. W. from junction of rd. S., on concrete head wall of culvert; chiseled square-----	808.05

Ellsworth, 4.0 mi. S. and 3.0 mi. E. from, 4.0 mi. S. thence 1.6 mi. W. from Arrowsmith, near center of sec. 5, T. 22 N., R. 5 E., in SW. corner of schoolyard, 37 ft. N. of rd., 10 ft. N. and 7 ft. E. from fence corner, in concrete post; standard tablet stamped "6 J 1930"-----	<i>Feet</i> 812. 102
Reference mark, on third concrete step of schoolhouse; chiseled square-----	811. 93
Arrowsmith, 4.0 mi. S. thence 1.0 mi. W. from, 3.0 mi. N. of Sabina, near W $\frac{1}{4}$ cor. sec. 4, T. 22 N., R. 5 E., on S. side of rd., 390 ft. E. of T-rd. S., on concrete head wall of culvert; chiseled square-----	830. 88
Arrowsmith, 4.0 mi. S. of, near W $\frac{1}{4}$ cor. sec. 3, T. 22 N., R. 5 E., 320 ft. E. of crossroads, 15 ft. S. of rd., on S. head wall of concrete culvert; chiseled square-----	803. 13
Arrowsmith, 4.6 mi. S. of, near NW. cor. sec. 10, T. 22 N., R. 5 E., 15 ft. S. and 18 ft. E. from junction of T-rd. E., 4 ft. NW. of fence corner, on S. head wall of concrete culvert; chiseled square-----	784. 97
Arrowsmith, 5.5 mi. S. of, 1.0 mi. E. thence 1.5 mi. N. from Sabina, near NW. cor. sec. 15, T. 22 N., R. 5 E., 740 ft. E. of crossroads, 46 ft. S. of rd., 30 ft. S. of W. gatepost, in root on N. side of 36-in. cottonwood tree; copper nail and washer-----	773. 05
Arrowsmith, 5.5 mi. S. thence 1.0 mi. E. from, 1.5 mi. N. thence 1.0 mi. W. from Glenavon, near SW. cor. sec. 11, T. 22 N., R. 5 E., 27 ft. N. and 38 ft. E. from crossroads, 7 ft. E. of fence corner, in concrete post; standard tablet stamped "7 J 1930"-----	765. 746
Reference mark, 370 ft. E. of crossroads, on N. head wall of concrete culvert; chiseled square-----	765. 36
Glenavon, 1.5 mi. N. of, near SE. cor. sec. 11, T. 22 N., R. 5 E., 16 ft. N. and 40 ft. W. from crossroads, on N. head wall of concrete culvert; chiseled square-----	761. 70
Glenavon, 1.5 mi. N. thence 1.0 mi. E. from, near NW. cor. sec. 18, T. 22 N., R. 6 E., 20 ft. S. and 26 ft. E. from junction of rd. E., 65 ft. SW. of bridge, on E. end of S. concrete head wall; chiseled square-----	752. 71
Glenavon, 1.5 mi. N. thence 2.2 mi. E. from, 2.2 mi. N. thence 1.3 mi. W. from Bellflower, 0.25 mi. E. of NW. cor. sec. 17, T. 22 N., R. 6 E., 33 ft. S. and 44 ft. W. from crossroads, in NE. corner of farmyard, 13 ft. W. of fence corner, 9 ft. W. of 36-in. maple tree, in concrete post; standard tablet stamped "8 J 1930"-----	789. 250
Reference mark, 10 ft. E. of tablet, in root on NE. side of 36-in. maple tree; copper nail and washer-----	789. 33
Bellflower, 2.2 mi. N. thence 0.5 mi. W. from, near S. cor. secs. 8 and 9, T. 22 N., R. 6 E., 20 ft. N. of rd., at N.-S. fence line, on concrete base of corner fence post; chiseled square-----	817. 19
Bellflower, 2.2 mi. N. of, near N $\frac{1}{4}$ cor. sec. 16, T. 22 N., R. 6 E., 16 ft. S. and 16 ft. W. from crossroads, on concrete head wall of culvert; chiseled square-----	796. 23

[Connects with line 1 in Gibson City quadrangle]

ASHKUM QUADRANGLE

[Latitude 40°45'–41°00'; longitude 87°45'–88°00']

IROQUOIS COUNTY

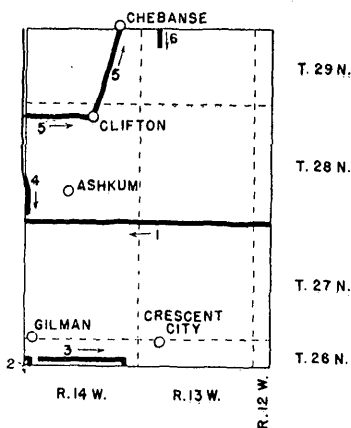


FIGURE 159.—Lines of leveling in Ashkum quadrangle.

1. From point 1 mile west of Pittwood west along township-line road to crossroads 1.7 miles south and 2.3 miles west from Ashkum (by A. J. Argraves in 1934)

[Connects with line 3 in Watseka quadrangle]

Pittwood, 1.5 mi. W. of, near S¼ cor. sec. 31, T. 28 N., R. 12 W., 30 ft. N. of rd., in top of W. retaining wall of drainage ditch, 2 ft. N. of corner; monel-metal rivet	633. 61
Pittwood, 2.0 mi. W. of, 29 ft. N. and 29 ft. W. from SE. cor. sec. 36, T. 28 N., R. 13 W., in NW. angle of junction of T-rd. N., in concrete post; standard tablet stamped "Prim Trav Sta No 63 W 1921"	643. 800
Pittwood, 2.8 mi. W. of, 0.25 mi. E. of NW. cor. sec. 1, T. 27 N., R. 13 W., in top of SW. wing wall of bridge over drainage ditch; monel-metal rivet	624. 50
Pittwood, 4.0 mi. W. of, near NW. cor. sec. 2, T. 27 N., R. 13 W., 30 ft. S. and 100 ft. E. from junction of T-rd. S., at fence line on S. side of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "17 1 1934"	632. 971
Pittwood, 5.1 mi. W. of, 0.09 mi. W. of NE. cor. sec. 4, T. 27 N., R. 13 W., 460 ft. W. of junction of T-rd. N., 35 ft. S. of rd., on NE. bank of Iroquois River, in root on N. side of elm tree; spike	622. 90
Pittwood, 5.8 mi. W. of, 0.25 mi. E. of NW. cor. sec. 4, T. 27 N., R. 13 W., at S. abutment of steel bridge over Iroquois River, in top of SW. wing wall; monel-metal rivet	623. 86

Pittwood, 7.1 mi. W. of, 1.7 mi. S. and 4.6 mi. E. from Ashkum, 20 ft. S. and 100 ft. E. from NW. cor. sec. 5, T. 27 N., R. 13 W., in SE. angle of crossroads, in front of schoolhouse, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "17 2 1934" ^a -----	<i>Feet</i> 642.023
Ashkum, 1.7 mi. S. and 3.6 mi. E. from, 24 ft. N. and 24 ft. E. from SW. cor. sec. 31, T. 28 N., R. 13 W., in NE. angle of crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 61 W 1921"-----	642.216
Ashkum, 1.7 mi. S. and 2.9 mi. E. from, 0.2 mi. E. of NW. cor. sec. 1, T. 27 N., R. 14 W., at steel bridge over Prairie Creek, in top of SW. wing wall; monel-metal rivet-----	630.35
Ashkum, 1.7 mi. S. and 1.7 mi. E. from, 20 ft. S. and 105 ft. E. from NW. cor. sec. 2, T. 27 N., R. 14 W., in SE. angle of crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "17 3 1934"-----	638.153
Ashkum, 1.7 mi. S. and 0.7 mi. E. from, 50 ft. S. and 36 ft. E. from NW. cor. sec. 3, T. 27 N., R. 14 W., in SE. angle of crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 60 W 1921"-----	639.014
Ashkum, 1.7 mi. S. and 0.3 mi. W. from, near NE. cor. sec. 5, T. 27 N., R. 14 W., 25 ft. S. and 96 ft. W. from junction of T-rd. N., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "17 4 1934"-----	650.461
Ashkum, 1.7 mi. S. and 1.3 mi. W. from, near NW. cor. sec. 5, T. 27 N., R. 14 W., 60 ft. S. and 15 ft. E. from crossroads, in top of concrete head wall of concrete culvert; monel-metal rivet-----	658.40
Ashkum, 1.7 mi. S. and 2.3 mi. W. from, near SE. cor. sec. 31, T. 28 N., R. 11 E., 24 ft. N. and 24 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 59 W 1921"-----	661.080

[Continued in Piper City quadrangle, line 4]

2. From point 1 mile south and 0.3 mile west from Gilman east and south to point 1.2 miles south and 0.1 mile west from Gilman (by A. J. Argraves in 1934)

[Continued from Piper City quadrangle, line 5]

Gilman, 1.0 mi. S. and 0.1 mi. W. from, near NW. cor. sec. 7, T. 26 N., R. 14 W., 20 ft. S. and 420 ft. E. from intersection of U. S. Highway 45 and State Highway 8, at fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk ^a -----	659.449
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[Continued in Cissna Park quadrangle, line 6]

3. From highway intersection 1 mile south and 0.1 mile west from Gilman east along road 5.2 miles to crossroads 1 mile south and 2 miles west from Crescent City, thence south 0.3 mile (by E. H. Lewis in 1934)

Gilman, 1.0 mi. S. of, 0.3 mi. E. of NW. cor. sec. 27, T. 26 N., R. 14 W., 20 ft. S. of rd., on W. bank of drainage ditch, in concrete post; U. S. C. & G. S. and State Survey standard disk-----	647.842
Gilman, 1.0 mi. S. and 1.2 mi. E. from, near S¼ cor. sec. 5, T. 26 N., R. 14 W., 218 ft. N. of crossroads, in top of SW. end of SW. wing wall of bridge; monel-metal rivet-----	643.48

^a In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "M 25 1935," elevation 643.066 ft.

^a In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "W 41," elevation 656.715 ft.

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Gilman, 1.0 mi. S. and 1.7 mi. E. from, near SW cor. sec. 4, T. 26 N., R. 14 W., 20 ft. N. and 130 ft. E. from junction of T-rd. N., at N. fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk	Feet 642.389
Gilman, 1.0 mi. S. and 2.0 mi. E. from, 0.22 mi. W. of S¼ cor. sec. 4, T. 26 N., R. 14 W., 20 ft. N. of rd., at fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 29 1934"	639.584
Gilman, 1.0 mi. S. and 3.0 mi. E. from, 0.22 mi. E. of SW. cor. sec. 3, T. 26 N., R. 14 W., on N. side of rd., in root on S. side of 36-in. cottonwood tree; spike	653.65
Gilman, 1.0 mi. S. and 3.8 mi. E. from, near NW. cor. sec. 11, T. 26 N., R. 14 W., 24 ft. S. and 165 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 28 1934"	639.853
Gilman, 1.0 mi. S. and 4.3 mi. E. from, near S¼ cor. sec. 2, T. 26 N., R. 14 W., 22 ft. N. of rd., at fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 27 1934"	638.037
Gilman, 1.0 mi. S. and 4.9 mi. E. from, 1.0 mi. S. and 2.2 mi. W. from Crescent City, near W. cor. secs. 1 and 12, T. 26 N., R. 14 W., at E. abutment of bridge over Spring Creek; top of S. anchor bolt	632.41
[Continued in Cissna Park quadrangle, line 7]	
4. From point 2.3 miles west of Ashkum south along range-line road to crossroads 1.7 miles south and 2.3 miles west from Ashkum (by C. O. Harris in 1934)	
[Continued from Piper City quadrangle, line 9]	
Ashkum, 2.3 mi. in air line W. of, 0.15 mi. N. of W¼ cor. sec. 30, T. 28 N., R. 14 W., on top of S. end of E. head wall of concrete culvert; chiseled square	658.87
Ashkum, 0.5 mi. S. and 2.3 mi. W. from, 0.2 mi. N. of SE. cor. sec. 30, T. 28 N., R. 14 W., 0.2 mi. N. of crossroads. 250 ft. S. of corner of fence running W., 35 ft. E. of rd., 2 ft. W. of fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 4 7 1934"	661.873
Ashkum, 0.7 mi. S. and 2.3 mi. W. from, near SW. cor. sec. 30, T. 28 N., R. 14 W., 120 ft. N. and 15 ft. E. from crossroads, on top of S. end of E. head wall of concrete culvert; chiseled square	658.88
5. From crossroads 3.5 miles west of Clifton east along road to Clifton, thence northeast along U. S. Highway 45 to Chebanse (by C. O. Harris in 1934)	
[Connects with line 9 in Piper City quadrangle]	
Clifton, 3.0 mi. W. of, 0.12 mi. W. of center of sec. 6, T. 28 N., R. 14 W., 400 ft. W. of bridge over drainage ditch, 18 ft. S. of road, on angle of E. head wall of concrete culvert under driveway; chiseled square	652.08
Clifton, 2.4 mi. W. of, near E¼ cor. sec. 6, T. 28 N., R. 14 W., 24 ft. N. and 145 ft. W. from junction of T-rd. S., on angle of E. head wall of concrete culvert under driveway; chiseled square	650.11
Clifton, 2.1 mi. W. of, 0.25 mi. W. of center of sec. 5, T. 28 N., R. 14 W., on N. side of rd., on angle of E. head wall of concrete culvert under driveway to field; chiseled square	651.70

Clifton, 1.7 mi. W. of, 0.25 mi. E. of center of sec. 5, T. 28 N., R. 14 W., 27 ft. N. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 4 10 1934"-----	<i>Feet</i> 655. 072
Clifton, 1.5 mi. W. of, near W $\frac{1}{4}$ cor. sec. 4, T. 28 N., R. 14 W., 27 ft. N. and 235 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 4 10 1934"-----	657. 860
Clifton, 0.5 mi. W. of, near E $\frac{1}{4}$ cor. sec. 4, T. 28 N., R. 14 W., 30 ft. N. and 15 ft. W. from junction of T-rd. N., on angle of W. head wall of concrete culvert under rd. N.; chiseled square-----	664. 04
Clifton, 0.25 mi. W. of junction of U. S. Highway 45, in block bounded by Forest Street and Lincoln, Maple, and West Avenues, 492 ft. N. and 27 ft. W. from junction of T-street N., in concrete post; standard tablet stamped "Prim Trav Sta No 57 W 1921"-----	660. 602
Clifton, 0.5 mi. NE. of, 0.25 mi. E. of S $\frac{1}{4}$ cor. sec. 34, T. 29 N., R. 14 W., on U. S. Highway 45, 13 ft. N. and 13 ft. W. from crossroads, on angle of head wall of concrete culvert; chiseled square-----	655. 64
Clifton, 2.2 mi. NE. of, 2.3 mi. SW. of Chebanse, near center of NW $\frac{1}{4}$ sec. 26, T. 29 N., R. 14 W., 28 ft. E. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 14 1934"-----	636. 315
Chebanse, 2.0 mi. SW. of, 0.2 mi. E. of SW. cor. sec. 23, T. 29 N., R. 14 W., 65 ft. N. and 28 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 15 1934"-----	642. 834
Chebanse, in S. part of, near center of NE $\frac{1}{4}$ sec. 14, T. 29 N., R. 14 W., 0.25 mi. SW. of intersection of Iroquois-Kankakee county-line rd., 20 ft. E. of highway, opposite small brick scale-house of grain elevator, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 16 1934"-----	672. 162

[Continued in Kankakee quadrangle, line 8]

6. From point 2.2 miles east and 0.3 mile south from Chebanse south 0.6 mile along State Highway 49 (by E. W. Gouchenour in 1936)

[Continued from Kankakee quadrangle, line 10]

U. S. C. & G. S. standard disk stamped "S 25 1935"-----	638. 562
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ASSUMPTION QUADRANGLE

[Latitude 39°30'–39°45'; longitude 89°00'–89°15']

CHRISTIAN, MACON, AND SHELBY COUNTIES

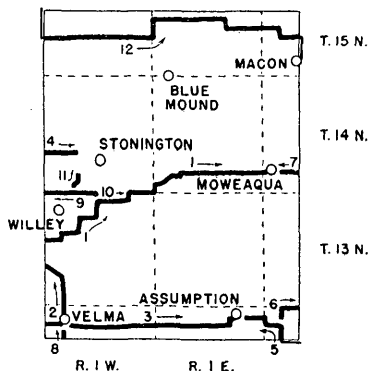


FIGURE 160.—Lines of leveling in Assumption quadrangle.

1. From point 1.5 miles south and 1 mile west from Willey along roads alternately north and east of Moweaqua (by S. R. Archer in 1922)

[Continued from Taylorville quadrangle, line 2]

Taylorville, 3.5 mi. E. and 1.5 mi. N. from, 1.5 mi. S. of Willey, near quarter corner between secs. 17 and 18, T. 13 N., R. 1 W., 25 ft. N. of rd. W., in center line of rd. N., in root on NW. side of 36-in. oak tree; copper nail and washer-----	Feet 612.35
Willey, 1.0 mi. S. of, near NE. cor. sec. 18, T. 13 N., R. 1 W., 15 ft. S. and 25 ft. W. from junction of T-rd. E., 5 ft. S. of S. end of gate, at fence line; standard iron post with bronze cap stamped "65 A 1922"-----	620.058
Willey, 1.0 mi. S. thence 1.0 mi. E. from, 1.2 mi. W. and 3.7 mi. S. from Stonington, near SW. cor. sec. 9, T. 13 N., R. 1 W., 75 ft. N. and 30 ft. E. from junction of T-rd. N., in woods, 5 ft. E. of fence line, in root on NW. side of 24-in. oak tree; copper nail and washer-----	629.07
Stonington, 1.2 mi. W. and 2.8 mi. S. from, near NW. cor. sec. 9, T. 13 N., R. 1 W., 480 ft. E. of right-angle turn E. in rd., on N. side of rd., in field, 5 ft. N. of fence line, in root on S. side of 15-inch hickory tree; copper nail and washer-----	616.60
Stonington, 0.2 mi. W. thence 2.8 mi. S. from, near NW. cor. sec. 10, T. 13 N., R. 1 W., on E. side of N.-S. rd., in line with T-rd. W., 2 ft. N. of fence corner, in concrete post; aluminum tablet stamped "66 A 1922"-----	615.062
Reference mark, 45 ft. S. and 25 ft. E. from rd. junction, in fence line, in root on NW. side of 12-in. oak tree; copper nail and washer-----	614.69

⁷ When this bench mark was recovered in 1940 it seemed to have been disturbed and raised 0.247 ft. The figures given represent the new elevation.

Stonington, 0.2 mi. W. thence 1.9 mi. S. from, 0.25 mi. S. of NW. cor. sec. 3, T. 13 N., R. 1 W., 75 ft. S. and 25 ft. E. from junction of T-rd. E., 55 ft. S. of NW. corner of schoolyard, in root on W. side of 24-in. cherry tree; copper nail and washer (recovered in 1940)-----	<i>Feet</i> 625.98
Stonington, 0.8 mi. E. and 1.9 mi. S. from, 0.25 mi. S. of NW. cor. sec. 2, T. 13 N., R. 1 W., 60 ft. S. and 55 ft. E. from crossroads, 15 ft. NE. of 8-in. hickory tree, in root on N. side of 24-in. elm tree; copper nail and washer-----	613.14
Stonington, 1.6 mi. E. and 1.9 mi. S. from, near center of NE¼ sec. 2, T. 13 N., R. 1 W., 15 ft. N. and 30 ft. E. from junction of T-rd. W., 10 ft. N. and 7 ft. E. from fence corner, in root on N. side of 24-in. elm tree; copper nail and washer-----	592.26
Stonington, 1.6 mi. E. and 1.7 mi. S. from, 7.5 mi. W. and 1.0 mi. S. from Moweaqua, 0.25 mi. W. of NE. cor. sec. 2, T. 13 N., R. 1 W., 25 ft. S. of T-rd. E., on S. side of rd. E., in line with E. fence line of rd. N., at fence line; standard iron post with bronze cap stamped "67 A 1922"-----	609.860
Moweaqua, 6.8 mi. W. and 1.0 mi. S. from, near S¼ cor. sec. 36, T. 14 N., R. 1 W., in NW. angle of junction of T-rd. N., in SE. corner of yard of residence, in root on S. side of 36-in. maple tree; copper nail and washer-----	609.40
Moweaqua, 6.3 mi. W. and 0.5 mi. S. from, near E¼ cor. sec. 36, T. 14 N., R. 1 W., 180 ft. N. of junction of T-rd. E., on W. side of rd., inside fence, at SE. corner of small grove of locust trees, in root on E. side of 10-in. locust tree; copper nail and washer-----	610.87
Moweaqua, 5.3 mi. W. and 0.3 mi. S. from, 0.25 mi. S. of NE. cor. sec. 31, T. 14 N., R. 1 E., 50 ft. S. and 20 ft. W. from junction of T-rd. S., 17 ft. S. of fence corner, at fence line, in concrete post; aluminum tablet stamped "68 A 1922"-----	610.106
Reference mark, 25 ft. S. and 70 ft. E. from rd. junction, in line with N. entrance of residence in SE. angle of rd. junction, in root on SE. side of 14-in. walnut tree; copper nail and washer-----	610.74
Moweaqua, 4.3 mi. W. of, near NE. cor. sec. 32, T. 14 N., R. 1 E., 20 ft. S. and 30 ft. W. from junction of T-rd. N., 6 ft. N. of NE. corner of yard of house on S. side of rd., in root on SE. side of 18-in. cherry tree; copper nail and washer-----	624.56
Moweaqua, 3.3 mi. W. of, near SE. cor. sec. 28, T. 14 N., R. 1 E., 25 ft. N. and 65 ft. W. from crossroads, on W. bank of creek, in N. fence line, in root 8 in. underground on SW. side of 12-in. hickory tree; copper nail and washer-----	587.76
Moweaqua, 2.0 mi. W. of, 0.25 mi. E. of SW. cor. sec. 26, T. 14 N., R. 1 E., 150 ft. N. and 30 ft. E. from junction of T-rd. N., at E. fence line; standard iron post with bronze cap stamped "69 A 1922"-----	596.165
Reference mark, 140 ft. N. of rd. junction, on W. side of rd., in root on S. side of 24-in. maple tree; copper nail and washer-----	596.65
Moweaqua, 1.3 mi. W. of, near SW. cor. sec. 25, T. 14 N., R. 1 E., 100 ft. E. of T-rd. N., on N. side of rd., on SW. corner of S. end of concrete walk leading to schoolhouse; chiseled square-----	612.06
Moweaqua, at W. end of West Main Street, near Christian-Shelby county line, 170 ft. S. and 25 ft. E. from junction of T-rd. W., at SE. corner of streets, between gutter and sidewalk, in root on NE. side of forked maple tree; copper nail and washer-----	621.22

Moweaqua traverse sta., 70 ft. S. of SW. corner of I. C. R. R. sta., at S. end of sta. platform, 7 ft. E. of track, in concrete post; U. S. C. & G. S. standard disk ^a -----	<i>Feet</i> 631.843
Reference mark, 57.15 ft. from sta., in azimuth 317°01', at N. edge of sta. lawn, in concrete post; U. S. C. & G. S. standard reference disk (recovered in 1930)-----	633.391

2. From point 0.4 mile south and 1 mile west from Velma along roads east and northwest by way of Velma to point 2.7 miles east of Taylorville (by E. O. Brooks in 1922)

[Continued from Taylorville quadrangle, line 3]

Velma, 0.3 mi. S. of, near NE. cor. sec. 7, T. 12 N., R. 1 W., 20 ft. S. and 30 ft. W. from crossroads, in concrete post; aluminum tablet stamped "Prim Trav Sta No 48 S 1922 6 EB" ^a (recovered in 1940)---	624.959
Reference mark, 20 ft. S. and 60 ft. E. from tablet, at Meyers School, in NW. corner of schoolyard, in root on N. side of 8-in. tree; copper nail and washer-----	625.56
Velma, at Baltimore & Ohio R. R. sta., on SW. corner of concrete curb of platform; chiseled square (B. & O. R. R. B. M.; recovered by U. S. C. & G. S. in 1935)-----	626.934
Velma, at crossing of R. R. and rd.; top of N. rail-----	626.6
Velma, 0.8 mi. N. of, near SE. cor. sec. 31, T. 13 N., R. 1 W., 55 ft. N. and 25 ft. W. from junction of T-rd. W., in fence line, in root on E. side of 12-in. elm tree; copper nail and washer-----	619.32
Velma, 1.6 mi. N. of, near W. cor. secs. 29 and 32, T. 13 N., R. 1 W., on E. side of rd., at junction of private rd. E., on top of S. end of concrete culvert; chiseled square-----	608.55
Velma, 2.4 mi. N. of, 3.7 mi. E. of Taylorville, 0.25 mi. S. of NW. cor. sec. 29, T. 13 N., R. 1 W., 20 ft. E. of junction of rd. NW., on N. side of gate; standard iron post with bronze cap stamped "Prim Trav Sta No 51 S 1922 7 EB"-----	613.280
Reference mark, 15 ft. S. and 30 ft. E. from tablet, in root on SW. side of 18-in. black-locust tree; copper nail and washer-----	612.59

[Continued in Taylorville quadrangle, line 4]

3. From Velma generally east along roads to Assumption (by E. O. Brooks in 1922)

Velma, 0.3 mi. S. thence 1.0 mi. E. from, near NW. cor. sec. 9, T. 12 N., R. 1 W., 30 ft. S. and 50 ft. E. from crossroads, in NW. corner of small lot, in root on NW. side of 30-in. maple tree; copper nail and washer-----	623.85
Velma, 0.3 mi. S. thence 2.0 mi. E. from, near NE. cor. sec. 9, T. 12 N., R. 1 W., 18 ft. S. and 15 ft. W. from crossroads, in center of concrete retaining wall of box culvert; chiseled square-----	622.31
Velma, 0.3 mi. S. thence 4.0 mi. E. from, 0.6 mi. S. and 5.7 mi. W. from Assumption, near SW. cor. sec. 1, T. 12 N., R. 1 W., 23 ft. N. and 68 ft. E. from crossroads, at Pleasant Valley School, 3 ft. N. of fence line; standard iron post with bronze cap stamped "Prim Trav Sta No 49 S 1922 28 EB"-----	622.268

^a In 1930 it was reported that the platform had been rebuilt and the station mark was either covered or destroyed.

^a In 1939 this bench mark was tied to U. S. C. & G. S. standard disk stamped "H 92 1935," elevation 627.318 ft.

Reference mark, 4 ft. N. and 75 ft. E. from tablet, in SE. corner of schoolyard, on SW. corner of concrete well platform; chiseled square.	<i>Feet</i> 623. 66
Assumption, 0.6 mi. S. and 3.7 mi. W. from, near NW. cor. sec. 8, T. 12 N., R. 1 E., 30 ft. S. and 25 ft. E. from crossroads, in SE. angle of crossroads, in root on N. side of 6-in. Osage-orange tree; copper nail and washer.	635. 31
Assumption, 0.6 mi. S. and 2.7 mi. W. from, near SW. cor. sec. 4, T. 12 N., R. 1 E., 60 ft. N. and 20 ft. E. from crossroads, in NE. angle of road junction, 2 ft. W. of fence line, in concrete post; aluminum tablet stamped "Prim Trav Sta No 50 S 1922 29 EB".	631. 228
Reference mark, 75 ft. S. and 30 ft. W. from tablet, in SW. angle of crossroads, on top of E. end of S. head wall of concrete culvert; chiseled square.	633. 33
Assumption, 0.6 mi. S. and 1.7 mi. W. from, near NE. cor. sec. 9, T. 12 N., R. 1 E., in SW. angle of crossroads, on N. side of corner fence post, on concrete base; chiseled square.	638. 42
Assumption, 0.6 mi. S. and 0.7 mi. W. from, near NW. cor. sec. 11, T. 12 N., R. 1 E., 22 ft. S. and 36 ft. E. from T-junction of N-S. rd., in NW. corner of yard of residence, in root on N. side of 36-in. maple tree; copper nail and washer.	638. 71
Assumption traverse sta., 262 ft. S. of I. C. R. R. sta., 0.1 mi. S. of mile-post 729, 12 ft. E. of track, 7 ft. W. of watchman's shelter, 2 ft. S. of nearest curb, in concrete post; U. S. C. & G. S. standard disk (recovered in 1930).	645. 005
Reference mark, 262 ft. S. of sta., on W. side of track, near fence, in concrete post; U. S. C. & G. S. standard reference disk (recovered in 1930).	645. 822

4. From point 0.3 mile north and 3.2 miles west from Stonington along road east 1.9 miles (by E. O. Brooks in 1922; single spur line)

Stonington, 0.3 mi. N. thence 2.3 mi. W. from, near NE. cor. sec. 30, T. 15 N., R. 1 W., 12 ft. S. and 15 ft. W. from crossroads, in center of top of concrete retaining wall of culvert; chiseled square.	603. 00
Stonington, 0.3 mi. N. thence 1.3 mi. W. from, near NW. cor. sec. 28, T. 15 N., R. 1 W., 12 ft. S. and 20 ft. E. from crossroads, on top of S. head wall of concrete culvert; chiseled square.	607. 79

5. From point 1.3 miles south and 2 miles east from Assumption along roads alternately north and west to Assumption (by S. R. Archer in 1930)

[Continued from Pana quadrangle, line 2]

Assumption, 0.6 mi. S. and 2.0 mi. E. from, near NE. cor. sec. 7, T. 12 N., R. 2 E., 200 ft. S. of crossroads, on W. side of rd., in top of bent trunk on W. side of 6-in. wild-cherry tree; copper nail and washer.	632. 32
Assumption, 0.6 mi. S. and 1.3 mi. E. from, near NE. cor. sec. 12, T. 12 N., R. 1 E., 30 ft. S. of junction of rd. E., on top of W. end of corrugated iron drain pipe under rd. S.; highest point of collar.	634. 08
Assumption, 0.1 mi. S. thence 1.3 mi. E. from, near E $\frac{1}{4}$ cor. sec. 1, T. 12 N., R. 1 E., 130 ft. W. of junction of T-rd. W., on S. side of rd., in ditch, on SW. side of top of vertical concrete tile, under concrete cover; chiseled square.	636. 79

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Assumption, 0.1 mi. S. thence 0.3 mi. E. from, near E $\frac{1}{4}$ cor. sec. 2, T. 12 N., R. 1 E., 25 ft. N. and 30 ft. W. from junction of T-rd. E., 70 ft. N. and 30 ft. W. from junction of T-street W., in root on E. side of 24-in. boxelder tree; copper nail and washer-----	Feet 639. 07
U. S. C. & G. S. standard disk designated "Z 7"-----	647. 492

6. From crossroads 0.6 mile south and 2 miles east from Assumption along roads north 1 mile and east 0.9 mile (by S. R. Archer in 1930)

Assumption, 0.4 mi. N. and 2.0 mi. E. from, near SW. cor. sec. 32, T. 13 N., R. 2 E., 315 ft. E. of T-rd. S., on N. side of rd., in SE. corner of yard of farmhouse, in root on NE. side of 24-in. walnut tree; copper nail and washer-----	639. 77
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[Continued in Prairie Home quadrangle, line 7]

7. From point 1.1 miles east of Moweaqua along road west to Moweaqua (by S. R. Archer in 1930)

[Continued from Prairie Home quadrangle, line 7]

Moweaqua, at center of main street intersection, at iron traffic-light marker in pavement; highest point-----	635. 96
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8. From point 1 mile south of Velma along road north to Velma (by E. S. Ersler in 1934)

[Continued from Pana quadrangle, line 7]

Velma, 0.7 mi. S. of, about 500 ft. N. of W $\frac{1}{4}$ cor. sec. 8, T. 12 N., R. 1 W., on E. side of bridge, on top of N. wing wall; chiseled square-----	602. 02
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9. From road junction 0.2 mile west and 2.8 miles south from Stonington along roads north 1 mile, thence west to point 2.7 miles east and 4.1 miles north from Taylorville (by W. C. Elledge in 1940)

Stonington, 0.2 mi. W. thence 1.7 mi. S. from, near NE. cor. sec. 4, T. 13 N., R. 1 W., 48 ft. S. and 21 ft. W. from junction of T-rd. W., in root on NW. side of 24-in. elm tree; copper nail and washer-----	619. 49
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Stonington, 2.5 mi. SW. of along State Highway 48, 1.0 mi. N, thence 0.7 mi. E. from Willey, 0.3 mi. W. of SE. cor. sec. 32, T. 14 N., R. 1 W., 18 ft. N. and 39 ft. E. from crossroads, on N. head wall of concrete culvert; chiseled square-----	623. 15
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Willey, 1.0 mi. N. of, 3.6 mi. E. and 4.1 mi. N. from Taylorville, near SE. cor. sec. 31, T. 14 N., R. 1 W., 300 ft. W. of crossroads, on N. side of rd., in root on S. side of 20-in. elm tree; copper nail and washer-----	612. 51
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[Continued in Taylorville quadrangle, line 8]

10. From road junction 0.2 mile west and 2 miles south from Stonington along road east 1 mile (by W. C. Elledge in 1940; spur line leveled twice)

Stonington, 2.0 mi. S. and 0.8 mi. E. from, 0.25 mi. S. of NW. cor. sec. 2, T. 13 N., R. 1 W., 18 ft. N. and 28 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 5 E 1929 612"----	612. 381
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11. From point 1 mile north and 0.7 mile east from Willey northeast and north 1.1 miles to crossroads 0.7 mile south and 1.2 miles west from Stonington (by W. C. Elledge in 1940; spur line leveled twice)

Stonington, 1.0 mi. S. and 1.2 mi. W. from, near SE. cor. sec. 29, T. 14 N., R. 1 W., 24 ft. N. and 39 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 4 E 1929 613"-----	<i>Fect</i> 612. 840
12. From point 0.6 mile east and 2.5 miles south from Mount Auburn generally east along roads to point 1 mile north and 0.1 mile west from Macon (by W. C. Elledge in 1940)	
[Continued from Taylorville quadrangle, line 9]	
Mount Auburn, 1.5 mi. E. thence 2.5 mi. S. from, 2.0 mi. N. thence 6.0 mi. W. from Blue Mound, near NW. cor. sec. 29, T. 15 N., R. 1 W., 14 ft. S. and 15 ft. E. from crossroads, on E. wall of concrete culvert; chiseled square-----	603. 88
Blue Mound, 2.0 mi. N. thence 5.0 mi. W. from, near NE. cor. sec. 29, T. 15 N., R. 1 W., 15 ft. S. and 21 ft. W. from crossroads, on S. head wall of concrete culvert; chiseled square-----	609. 43
Blue Mound, 2.0 mi. N. thence 4.0 mi. W. from, near SW. cor. sec. 22, T. 15 N., R. 1 W., 20 ft. N. and 50 ft. E. from crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 64 S 1922 607"-----	607. 223
Blue Mound, 2.0 mi. N. thence 3.0 mi. W. from, 2.4 mi. S. of Osbernville, near NE. cor. sec. 27, T. 15 N., R. 1 W., 21 ft. S. and 15 ft. W. from crossroads, on N. corner of W. end of concrete culvert; chiseled square-----	608. 98
Blue Mound, 2.0 mi. N. thence 2.0 mi. W. from, near SE. cor. sec. 23, T. 15 N., R. 1 W., 21 ft. N. and 20 ft. W. from crossroads, on SE. corner of base of concrete post; chiseled square-----	613. 90
Blue Mound, 2.2 mi. N. and 1.0 mi. W. from, 0.25 mi. N. of SW. cor. sec. 19, T. 15 N., R. 1 E., 78 ft. N. of fence E., in E. head wall of concrete culvert; standard tablet stamped "6 E 1940 614"-----	613. 978
Blue Mound, 3.0 mi. N. thence 0.9 mi. W. from, about 800 ft. E. of SW. cor. sec. 18, T. 15 N., R. 1 E., at steel bridge over Mosquito Creek; chiseled square-----	590. 11
Blue Mound, 3.0 mi. N. of, near NE. cor. sec. 19, T. 15 N., R. 1 E., 57 ft. S. and 18 ft. W. from crossroads, on W. head wall of concrete culvert; chiseled square-----	618. 80
Blue Mound, 3.0 mi. N. thence 1.3 mi. E. from, 0.25 mi. E. of NW. cor. sec. 21, T. 15 N., R. 1 E., 21 ft. S. and 10 ft. W. from junction of T-rd. S., on N. end of W. head wall of concrete culvert; standard tablet stamped "7 E 1940 596"-----	596. 103
Blue Mound, 3.0 mi. N. thence 2.5 mi. E. from, near S¼ cor. sec. 15, T. 15 N., R. 1 E., 9 ft. N. and 51 ft. E. from crossing of State Highway 48, on N. head wall of concrete culvert; chiseled square-----	627. 94
Blue Mound, 2.5 mi. N. and 3.0 mi. E. from, near W¼ cor. sec. 23, T. 15 N., R. 1 E., 20 ft. N. and 120 ft. E. from junction of T-rd. E., at fence line, on E. end of concrete retaining wall; chiseled square--	638. 96
Blue Mound, 2.5 mi. N. and 4.0 mi. E. from, 1.7 mi. N. and 2.5 mi. W. from Macon, near W¼ cor. sec. 24, T. 15 N., R. 1 E., 20 ft. N. and 30 ft. E. from crossroads, in concrete post; aluminium tablet stamped "Prim Trav Sta No 67 S 1922 660"-----	659. 735
Macon, 1.7 mi. N. and 1.5 mi. W. from, near W¼ cor. sec. 19, T. 15 N., R. 2 E., 20 ft. N. of intersection of rd. tangents N. and E., on NW. wing wall of small steel bridge; chiseled square-----	675. 84

[Continued in Prairie Home quadrangle, line 8]

BEMENT QUADRANGLE

[Latitude 39°45'–40°00'; longitude 88°30'–88°45']

MOULTRIE AND PIATT COUNTIES

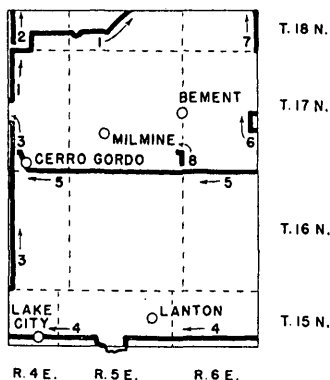


FIGURE 161.—Lines of leveling in Bement quadrangle.

1. From point 3.5 miles south and 3.8 miles east from Argenta along roads generally northeast to point 3.1 miles southwest of Monticello (by H. S. Senseney in 1928)

[Continued from Decatur quadrangle, line 3]

Argenta, 3.5 mi. S. and 4.0 mi. E. from, 2.8 mi. N. and 1.0 mi. W. from Cerro Gordo, 1.0 mi. W. thence 5.5 mi. S. from Cisco, at Cherry Grove Church, near W¼ cor sec. 15, T. 17 N., R. 4 E., in NE. angle of crossroads, in root of tree; copper nail and washer-----	692.15
Cisco, 1.0 mi. W. thence 4.5 mi. S. from, near quarter corner between secs. 9 and 10, T. 17 N., R. 4 E., at bridge over Sangamon River, on W. end of S. abutment; chiseled square-----	631.19
Sangamon River, surface of water Sept. 7, 1928-----	613.4
Cisco, 1.0 mi. W. thence 4.0 mi. S. from, near NE. cor. sec. 9, T. 17 N., R. 4 E., 70 ft. W. of junction of T-rd. W., on S. side of rd., in root of tree; copper nail and washer-----	660.72
Cisco, 1.0 mi. W. thence 3.0 mi. S. from, near S. cor. secs. 33 and 34, T. 18 N., R. 4 E., 30 ft. N. of junction of T-rd. S., at N. cor. secs. 3 and 4, T. 17 N., R. 4 E., in concrete post; standard tablet stamped "32 S 1928" (recovered in 1929)-----	680.398
Reference mark, 30 ft. E. of tablet, in root of tree; copper nail and washer (recovered in 1929)-----	680.82
Cisco, 3.0 mi. S. of, near S. cor. secs. 34 and 35, T. 18 N., R. 4 E., 15 ft. E. of N. cor. secs. 2 and 3, T. 17 N., R. 4 E., on N. side of rd., at junction of T-rd. S., on concrete tile; chiseled square-----	676.74
Cisco, 2.0 mi. S. of, near NW. cor. sec. 35, T. 18 N., R. 4 E., in SE. angle of crossroads, in root of tree; copper nail and washer-----	685.48

Cisco, 2.0 mi. S. thence 1.0 mi. E. from, 5.2 mi. SW. thence 3.4 mi. W. from Monticello, near SW. cor. sec. 25, T. 18 N., R. 4 E., in NE. angle of crossroads, on E. side of entrance to schoolhouse, in lower step; standard tablet stamped "42 S 1928"-----	<i>Fect</i> 681. 578
Reference mark, in SW. corner of schoolyard, in root of tree; copper nail and washer-----	681. 83
Monticello, 5.2 mi. SW. thence 2.4 mi. W. from, near NW. cor. sec. 31, T. 18 N., R. 5 E., 530 ft. W. of rd. junction, on S. side of rd., on W. end of culvert; chiseled square-----	631. 80
Sangamon River; floor of bridge over-----	638. 4
Sangamon River, under bridge; surface of water Sept. 11, 1928-----	618. 9
Monticello, 5.2 mi. SW. thence 1.7 mi. W. from, near quarter corner between secs. 30 and 31, T. 18 N., R. 5 E., 15 ft. N. of junction of T-rd. W., on E. side of rd., in concrete post; standard tablet stamped "33 S 1928"-----	649. 370
Reference mark, 650 ft. N. and 200 ft. E. from tablet, on SW. end of culvert; chiseled square-----	635. 86
Monticello, 5.2 mi. SW. thence 0.5 mi. W. from, near quarter corner between secs. 29 and 32, T. 18 N., R. 5 E., 290 ft. E. of rd. junction, on S. side of rd., in root of tree; copper nail and washer-----	676. 73
Monticello, 5.2 mi. SW. of, near S. cor. secs. 28 and 29, T. 18 N., R. 5 E., 190 ft. N. of junction of T-rd. N., at SE. corner of large concrete culvert, on wing wall; chiseled square-----	636. 74
Monticello, 3.9 mi. SW. of, near NE. cor. sec. 28, T. 18 N., R. 5 E., 910 ft. W. of entrance to Allerton estate, on N. side of rd., on culvert; chiseled square-----	666. 25

[Continued in Monticello quadrangle, line 3]

2. From point 3 miles south and 1 mile west from Cisco north along road 2.2 miles (by E. W. Gouchenour in 1929)

Cisco, 1.0 mi. W. thence 2.0 mi. S. from, near SE. cor. sec. 28, T. 18 N., R. 4 E., 85 ft. N. and 33 ft. W. from crossroads, in root on E. side of 20-in. maple tree; copper nail and washer-----	683. 13
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[Continued in Monticello quadrangle, line 4]

3. From point 0.5 mile south and 2.2 miles east from Casner along roads east 0.2 mile, thence north to road junction 2 miles north and 0.8 mile west from Cerro Gordo, thence west 0.2 mile (by E. W. Gouchenour in 1929)

[Continued from Decatur quadrangle, line 11]

Casner, 0.2 mi. N. and 2.4 mi. E. from, 1.5 mi. W. thence 0.2 mi. N. from La Place, 0.25 mi. N. of quarter corner between secs. 33 and 34, T. 16 N., R. 4 E., 0.25 mi. N. of crossroads, in root on NW. side of triple maple tree; copper nail and washer-----	729. 78
La Place, 1.5 mi. W. thence 1.0 mi. N. from, 2.4 mi. E. and 1.0 mi. N. from Casner, 5.2 mi. S. and 0.8 mi. W. from Cerro Gordo, near W $\frac{1}{4}$ cor. sec. 27, T. 16 N., R. 5 E., 31 ft. N. and 27 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 22 E 1929"-----	731. 717
Cerro Gordo, 4.4 mi. S. and 0.8 mi. W. from, near SW. cor. sec. 22, T. 16 N., R. 4 E., 440 ft. N. and 35 ft. E. from junction of T-rd. W., near entrance to farmhouse, in root on W. side of ash tree; copper nail and washer-----	732. 44

Cerro Gordo, 3.5 mi. S. and 0.8 mi. W. from, at Center School, near NW. cor. sec. 22, T. 16 N., R. 4 E., 55 ft. S. and 27 ft. E. from crossroads, in schoolyard, in root on W. side of maple tree; copper nail and washer.....	<i>Feet</i> 733. 49
Cerro Gordo, 2.5 mi. S. and 0.8 mi. W. from, about 11 mi. E. of Decatur, near NE. cor. sec. 16, T. 16 N., R. 4 E., 35 ft. S. and 25 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 21 E 1929".....	735. 916
Reference mark, 15 ft. N. and 9 ft. E. from tablet, on W. end of concrete culvert; chiseled square.....	736. 69
Cerro Gordo, 1.5 mi. S. and 0.8 mi. W. from, at East Union School, near SW. cor. sec. 4, T. 16 N., R. 4 E., 45 ft. N. and 40 ft. E. from crossroads, in SW. corner of schoolyard, in root on NW. side of tree; copper nail and washer.....	739. 53
Cerro Gordo, 0.5 mi. S. and 0.8 mi. W. from, near NE. cor. sec. 4, T. 16 N., R. 4 E., 63 ft. S. and 20 ft. W. from junction of T-rd. S., in root on NE. side of large maple tree; copper nail and washer.....	726. 20
Cerro Gordo, 0.5 mi. N. and 0.8 mi. W. from, near NE. cor. sec. 33, T. 17 N., R. 4 E., 37 ft. S. and 25 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 20 E 1929" (recovered in 1935).....	728. 149
Cerro Gordo, 1.1 mi. N. and 0.8 mi. W. from, 0.13 mi. N. of E $\frac{1}{4}$ cor. sec. 28, T. 17 N., R. 4 E., 655 ft. N. and 32 ft. W. from center of rd. in line with E-W. fence line, on N. side of driveway to barn, in root on E. side of easternmost maple tree; copper nail and washer (recovered in 1935).....	692. 46
Cerro Gordo, 2.0 mi. N. and 0.8 mi. W. from, near W $\frac{1}{4}$ cor. sec. 22, T. 17 N., R. 4 E., 25 ft. N. and 35 ft. E. from junction of T-rd. W., in SW. corner of yard of residence, in root on W. side of maple tree; copper nail and washer.....	685. 02

[Connects with line 3 in Decatur quadrangle]

4. From point 2.5 miles north and 1 mile west from Arthur generally west along roads to point 1.6 miles west of Lake City (by L. V. Johnson in 1930)

[Connects with line 1 in Tuscola quadrangle]

Arthur, 2.5 mi. N. thence 2.1 mi. W. from, 1.0 mi. S. thence 4.9 mi. E. from Lanton, near E. cor. secs. 10 and 15, T. 15 N., R. 6 E., 560 ft. W. of crossroads, 16 ft. S. and 15 ft. W. from center of small steel bridge over drainage ditch, on concrete head wall of drain pipe from W.; chiseled square.....	667. 63
Lanton, 1.0 mi. S. thence 4.0 mi. E. from, near SE. cor. sec. 9, T. 15 N., R. 6 E., 63 ft. N. and 22 ft. W. from crossroads, 37 ft. E. of church steps, on SE. corner of concrete walk leading to church; chiseled square.....	679. 78
Lanton, 1.0 mi. S. thence 3.0 mi. E. from, near NE. cor. sec. 17, T. 15 N., R. 6 E., 20 ft. S. and 60 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 25 F 1929".....	701. 136
Reference mark, in SW. angle of crossroads, in root on N. side of 40-in. maple tree; copper nail and washer.....	701. 76
Lanton, 1.0 mi. S. thence 2.0 mi. E. from, near SE. cor. sec. 7, T. 15 N., R. 6 E., 32 ft. N. and 24 ft. W. from crossroads, on concrete base at NE. side of first fence post N. of corner; chiseled square.....	691. 71

Lanton, 1.0 mi. S. thence 1.0 mi. E. from, near NW. cor. sec. 18, T. 15 N., R. 6 E., 30 ft. E. and 23 ft. S. from crossroads, on concrete head wall of culvert; chiseled square-----	<i>Feet</i> 686.95
Lanton, 1.0 mi. S. of, 2.6 mi. N. and 1.5 mi. E. from Lovington, near SW. cor. sec. 12, T. 15 N., R. 5 E., 45 ft. E. of junction of T-rd. W., 1 ft. S. of fence E., on N. side of rd., in concrete post; standard tablet stamped "T T Sta No 24 F 1929" ¹⁰ -----	680.361
Lovington, 2.6 mi. N. and 0.5 mi. E. from, near NE. cor. sec. 15, T. 15 N., R. 5 E., 17 ft. S. and 100 ft. W. from intersection of N-S. fence line, in root on NE. side of 30-in. oak tree; copper nail and washer--	668.68
Lovington, 2.6 mi. N. of, near quarter corner between secs. 10 and 15, T. 15 N., R. 5 E., 135 ft. S. of steel bridge over creek, 14 ft. N. and 11 ft. W. from junction of T-rd. E., on S. end of W. concrete head wall of culvert under N-S. rd.; chiseled square-----	651.50

[Jogs into Sullivan quadrangle, line 6]

Lovington, 2.4 mi. N. and 1.5 mi. W. from, 3.0 mi. E. and 0.2 mi. S. from Lake City, 0.25 mi. S. of N. cor. secs. 16 and 17, T. 15 N., R. 5 E., 20 ft. S. and 40 ft. W. from junction of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 23 F 1929"-----	668.200
Reference mark, 18 ft. N. and 33 ft. E. from rd. junction, on large granite boulder; chiseled square-----	668.27
Lake City, 2.5 mi. E. of, near quarter cor. between secs. 8 and 17, T. 15 N., R. 5 E., 12 ft. S. and 60 ft. W. from center of steel bridge over creek, on SW. end of SW. concrete wing wall; chiseled square--	652.60
Lake City, 2.0 mi. E. of, near SE. cor. sec. 7, T. 15 N., R. 5 E., 20 ft. N. and 15 ft. W. from crossroads, on SW. end of NW. head wall of concrete culvert under N-S. rd.; chiseled square-----	672.54
Lake City, 1.0 mi. E. of, near NW. cor. sec. 18, T. 15 N., R. 5 E., at offset crossroads, 21 ft. S. and 85 ft. E. from junction of T-rd. E., 76 ft. S. and 85 ft. E. from junction of T-rd. W., 25 ft. N. of NE. corner of farmhouse, in root on N. side of 40-in. maple tree; copper nail and washer-----	679.50
Lake City, 70 ft. S. and 25 ft. E. from probable cor. secs. 11, 12, 13, and 14, T. 15 N., R. 4 E., 110 ft. W. of center of Pennsylvania R. R. sta., 18 ft. S. of track, 2 ft. N. and 6 ft. E. from R. R. crossing signpost, in concrete post; standard tablet stamped "T T Sta No 22 F 1929" (recovered by U. S. C. & G. S. in 1938)-----	689.795
Reference mark, 55 ft. W. of tablet, in NW. angle of crossroads, in root on SW. side of 36-in. boxelder tree; copper nail and washer (recovered by U. S. C. & G. S. in 1938)-----	688.457

[Continued in Decatur quadrangle, line 12]

5. From point 5.5 miles north and 2 miles west from Atwood west along township-line road to point 0.5 mile south of Cerro Gordo, thence north and west to crossroads 0.5 mile north and 0.8 mile west from Cerro Gordo (by S. R. Archer in 1935)

[Continued from Tuscola quadrangle, line 2]

¹⁰ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "Q 23 1934," elevation 676.869 ft.

Atwood, 5.5 mi. N. and 3.3 mi. W. from, 3.0 mi. S. thence 2.7 mi. E. from Bement, 0.2 mi. E. of quarter corner between secs. 4 and 33, Tps. 16 and 17 N., R. 6 E., at steel bridge over Lake Fork, 3 ft. SW. of foot of W. end of S. truss, on top of S. wing wall of W. stone abutment; chiseled square-----	Feet 666.18
Bement, 3.0 mi. S. thence 2.0 mi. E. from, near cor. secs. 4, 5, 32, and 33, Tps. 16 and 17 N., R. 6 E., at crossroads, at N. abutment of bridge over drainage ditch, on top of E. corner of middle stone of three top stones of E. wing wall; chiseled square-----	669.51
Bement, 3.0 mi. S. thence 1.0 mi. E. from, near NW. cor. sec. 5, T. 16 N., R. 6 E., at offset crossroads, 20 ft. S. and 20 ft. E. from junction of T-rd. S., 35 ft. S. and 95 ft. E. from bridge over drainage ditch, 2.5 ft. S. of telephone pole, in fence corner, in concrete post; standard tablet stamped "T T Sta No 40 F 1929 670"-----	669.965
Bement, 3.0 mi. S. of, near SW. cor. sec. 31, T. 17 N., R. 6 E., in NE. corner of crossroads, 4 ft. E. of W. end of N. head wall of concrete culvert under rd. E.; chiseled square-----	673.84
Bement, 3.0 mi. S. thence 0.8 mi. W. from, 0.25 mi. E. of NW. cor. sec. 1, T. 16 N., R. 5 E., on S. side of rd., at fence corner, in root on W. side of 24-in. maple tree; copper nail and washer-----	680.87
Bement, 3.0 mi. S. thence 1.5 mi. W. from, near N $\frac{1}{4}$ cor. sec. 2, T. 16 N., R. 5 E., 30 ft. S. and 40 ft. W. from junction of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 39 F 1929 679"-----	673.865
Bement, 3.0 mi. S. thence 2.0 mi. W. from, near SW. cor. sec. 35, T. 17 N., R. 5 E., 95 ft. E. of T-rd. N., on N. side of rd., 5 ft. N. and 60 ft. E. from SW. corner of yard of residence, in root on SW. side of three-forked linn tree; copper nail and washer-----	686.03
Bement, 3.0 mi. S. thence 3.0 mi. W. from, near N. cor. secs. 3 and 4, T. 16 N., R. 5 E., on S. side of rd., in NW. corner of barn lot, on E. side of driveway to farmhouse, in root on NW. side of 30-in. cottonwood tree; copper nail and washer-----	698.05
Bement, 3.0 mi. S. thence 4.0 mi. W. from, 0.5 mi. S. thence 4.2 mi. E. from Cerro Gordo, 2.0 mi. S. of Milmine, near NE. cor. sec. 5, T. 16 N., R. 5 E., at offset crossroads, 30 ft. S. and 60 ft. W. from junction of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 38 F 1929 690"-----	690.310
Reference mark, 120 ft. E. of tablet, about midway between rds. N. and S., on top of S. wing wall of W. abutment of concrete bridge; chiseled square-----	690.60
Cerro Gordo, 0.5 mi. S. thence 3.2 mi. E. from, near NW. cor. sec. 5, T. 16 N., R. 5 E., 35 ft. S. and 48 ft. E. from junction of rd. S., 5 ft. S. and 18 ft. E. from fence corner, in root on NW. side of 24-in. maple tree; copper nail and washer-----	706.17
Cerro Gordo, 0.5 mi. S. thence 2.2 mi. E. from, near SW. cor. sec. 31, T. 17 N., R. 5 E., in NE. corner of crossroads, on top of E. head wall of concrete culvert under rd. N.; chiseled square-----	710.61
Cerro Gordo, 0.5 mi. S. thence 1.2 mi. E. from, near SW. cor. sec. 36, T. 17 N., R. 4 E., 30 ft. N. and 50 ft. E. from junction of rd. N., in NE. angle of crossroads, in concrete post; standard tablet stamped "T T Sta No 37 F 1929 719"-----	719.196
Cerro Gordo, 0.5 mi. S. thence 0.2 mi. E. from, near NW. cor. sec. 2, T. 16 N., R. 4 E., 70 ft. E. of crossroads, on S. side of rd., in root on N. side of 30-in. boxelder tree; copper nail and washer-----	730.46

Cerro Gordo, 0.25 mi. E. of center of sec. 34, T. 17 N., R. 4 E., 30 ft. N. and 30 ft. W. from street intersection, in root on SW. side of 24-in. ash tree; copper nail and washer-----	<i>Feet</i> 740. 86
6. From point 1 mile south and 4 miles east from Bement along roads west 0.5 mile, thence north 1 mile, thence east 0.5 mile (by S. R. Archer in 1935)	
[A jog from Tuscola quadrangle, line 3]	
Bement, 1.0 mi. S. and 3.5 mi. E. from, near S $\frac{1}{4}$ cor. sec. 22, T. 17 N., R. 6 E., 40 ft. N. of junction of T-rd. N., on top of W. head wall of culvert; chiseled square-----	670. 81
Bement, 3.5 mi. E. of, near S $\frac{1}{4}$ cor. sec. 15, T. 17 N., R. 6 E., 26 ft. N. and 13 ft. E. from junction of E.-W. rd., 1.5 ft. S. of fence line, in concrete post; standard tablet stamped "T T 48 E 1929 672"-----	671. 927
[Continued in Tuscola quadrangle, line 3]	
7. From point 0.5 mile north and 2.5 miles west from Ivesdale north along road to point 1.8 miles south and 3.9 miles east from Monticello (by S. R. Archer in 1935)	
[Continued from Tuscola quadrangle, line 3]	
Ivesdale, 1.5 mi. N. and 2.5 mi. W. from, 3.9 mi. E. thence 4.0 mi. S. from Monticello, near NW. cor. sec. 2, T. 17 N., R. 6 E., 60 ft. S. of crossroads, on E. side of rd., in root on NW. side of 30-in. maple tree; copper nail and washer-----	680. 82
Monticello, 3.9 mi. E. thence 3.0 mi. S. from, near SE. cor. sec. 27, T. 18 N., R. 6 E., 30 ft. N. and 30 ft. W. from crossroads, 8 ft. N. of fence corner, in root on E. side of 12-in. Osage-orange tree; copper nail and washer-----	690. 72
Monticello, 3.9 mi. E. thence 2.0 mi. S. from, near NW. cor. sec. 26, T. 18 N., R. 6 E., 25 ft. S. and 30 ft. E. from crossroads, in corner of field, 3 ft. from corner of old hedge fence; standard iron post with bronze cap stamped "Prim Trav Sta No 12 1905 699"-----	699. 004
[Continued in Monticello quadrangle, line 6]	
8. From crossroads 3 miles south of Bement north along road 1 mile to State Highway 47, thence west 0.2 mile (by S. R. Archer in 1935; spur line leveled twice)	
Bement, 2.0 mi. S. of, near NE. cor. sec. 36, T. 17 N., R. 5 E., 140 ft. S. and 55 ft. W. from crossroads, near SE. corner of triangle at junction of highway W., on top of NW. end of SW. head wall of concrete culvert under rd. along SW. side of triangle; chiseled square-----	680. 10
U. S. C. & G. S. standard disk stamped "K 23 1934"-----	681. 783

BUCKLEY QUADRANGLE

[Latitude 40°30'–40°45'; longitude 88°15'–88°30']

FORD, IROQUOIS, AND LIVINGSTON COUNTIES

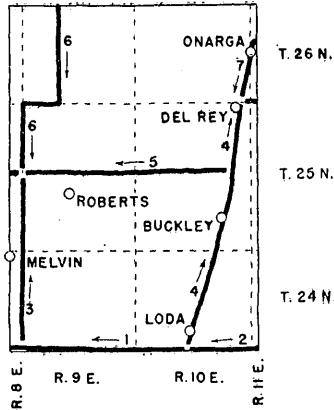


FIGURE 162.—Lines of leveling in Buckley quadrangle.

1. From point 2.9 miles northeast of Paxton west along road to point 4.5 miles south of Melvin (by S. R. Archer in 1924; leveled twice)

[Continued from Paxton quadrangle, line 1]

Paxton, 3.0 mi. NE. of, 1.0 mi. SW. of Loda, near NW. cor. sec. 33, T. 24 N., R. 10 E., 325 ft. S. of crossroads, on top of N. end of E. head wall of concrete culvert under U. S. Highway 45; chiseled square (recovered in 1934)-----	Feet 779.36
Loda, 1.0 mi. SW. thence 1.2 mi. W. from, 0.13 mi. W. of SE. cor. sec. 30, T. 24 N., R. 10 E., 700 ft. W. of crossroads, on N. side of rd., at E. side of gate to driveway leading to farmhouse, in root on W. side of 8-in. boxelder tree; copper nail and washer-----	783.00
Loda, 2.5 mi. W. thence 1.0 mi. S. from, near NE. cor. sec. 36, T. 24 N., R. 9 E., at Ford-Iroquois county line, 20 ft. S. and 28 ft. W. from crossroads, 4 ft. W. of fence corner, in concrete post; aluminum tablet stamped "Prim Trav Sta No 10 Mac 1923 A 43"-----	782.860
Reference mark, 60 ft. W. of crossroads, on top of N. concrete head wall of tile culvert under road W.; chiseled square-----	782.12
T. 24 N., R. 9 E., near NE. cor. sec. 35, 125 ft. S. of crossroads, on W. side of N.-S. rd., 5 ft. W. of SE. corner of schoolyard, in root on SW. side of 24-in. boxelder tree; copper nail and washer-----	780.78
T. 24 N., R. 9 E., near NE. cor. sec. 34, in SW. angle of crossroads, 8 ft. S. of fence corner, on S. side of gate, in root on N. side 4 ft. from trunk of 12-in. Osage-orange tree; copper nail and washer-----	769.38
T. 24 N., R. 9 E., 0.23 mi. W. of S¼ cor. sec. 27, near center of NE. concrete wing wall of bridge over Middle Fork of Vermillion River; chiseled square-----	755.66

T. 24 N., R. 9 E., near NE. cor. sec. 33, 2.5 mi. N. of Perdueville, 25 ft. S. and 10 ft. W. from junction of T-rd. N., in concrete post; aluminum tablet stamped "Prim Trav Sta No 11 Mac 1923 A 44"-----	<i>Feet</i> 761.430
Reference mark, 20 ft. N. and 50 ft. W. from junction of T-rd. N., on N. side of E.-W. rd., in root on SW. side of 30-in. cottonwood tree; copper nail and washer-----	760.77
T. 24 N., R. 9 E., near S $\frac{1}{4}$ cor. sec. 28, on N. side of rd., opposite T-rd. S., 5 ft. S. and 2.5 ft. W. from fence corner, in root on S. side of 12-in. tree, easternmost in row of walnut trees; copper nail and washer-----	783.54
T. 24 N., R. 9 E., near NW. cor. sec. 33, 50 ft. east of junction of T-rd. N., on top of S. concrete head wall of iron drain pipe under E.-W. rd.; chiseled square-----	783.14
T. 24 N., R. 9 E., near SW. cor. sec. 30, 30 ft. N. and 33 ft. W. from crossroads, 3.5 ft. W. of fence corner, in concrete post; standard tablet stamped "45 A 1924"-----	770.640
Reference mark, 25 ft. S. and 30 ft. W. from crossroads, 10 ft. W. of fence corner, in root on NW. side of 15-in. maple tree; copper nail and washer-----	771.31
Melvin, 4.5 mi. S. and 1.0 mi. E. from, 3.0 mi. N. and 2.0 mi. E. from Elliott, near SE. cor. sec. 25, T. 24 N., R. 8 E., 30 ft. N. of junction of T-rd. N., on W. side of rd., on top of W. head wall of concrete culvert under rd. N.; chiseled square (recovered in 1934) -----	745.78

[Continued in Strawn quadrangle, line 1]

2. From point 2.8 miles north and 5 miles east from Paxton north along range-line road 0.2 mile, thence west to intersection of U. S. Highway 45 about 3 miles northeast of Paxton (by W. R. Broadus in 1924)

[Continued from Paxton quadrangle, line 4]

Paxton, 5.0 mi. E. thence 3.0 mi. N. from, 3.5 mi. E. thence 1.0 mi. S. from Loda, 300 ft. W. of SE. cor. sec. 25, T. 24 N., R. 10 E., 25 ft. N. of E.-W. rd., in root on SW. side of 30-in. cottonwood tree; copper nail and washer-----	732.49
Loda, 2.5 mi. E. thence 1.0 mi. S. from, near SE. cor. sec. 26, T. 24 N., R. 10 E., 210 ft. N. of crossroads, on top of NW. wing wall of concrete culvert; chiseled square-----	752.99
Loda, 1.0 mi. S. and 1.3 mi. E. from, 0.18 mi. W. of NE. cor. sec. 34, T. 24 N., R. 10 E., 0.2 mi. W. of crossroads, 50 ft. S. of rd., in root on NE. side of 36-in. maple tree; copper nail and washer-----	782.74
Loda, 1.0 mi. S. and 0.6 mi. E. from, 3.0 mi. NE. thence 1.0 mi. E. from Paxton, 0.08 mi. E. of SW. cor. sec. 27, T. 24 N., R. 10 E., 25 ft. N. and 420 ft. E. from crossroads, in concrete post; aluminum tablet stamped "Prim Trav Sta No 9 1923 Mac 1924 B 10" (recovered in 1934)-----	775.187
Reference mark, 397 ft. W. of tablet, in NE. angle of crossroads, on top of NE. wing wall of concrete culvert; chiseled square-----	769.19

3. From crossroads 4.5 miles south and 1 mile east from Melvin north along range-line road to crossroads 4.5 miles north and 1 mile east from Melvin (by C. G. Dickinson in 1934)

Melvin, 3.5 mi. S. and 1.0 mi. E. from, near NE. cor. sec. 25, T. 24 N., R. 8 E., 200 ft. S. and 24 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 26 1934"	Feet 758.556
Melvin, 2.9 mi. S. and 1.0 mi. E. from, 0.13 mi. N. of W $\frac{1}{4}$ cor. sec. 19, T. 24 N., R. 9 E., 18 ft. E. of rd., 1 ft. N. of S. end of small steel girder bridge, in top of concrete wing wall; monel-metal rivet	751.82
Melvin, 1.5 mi. S. and 1.0 mi. E. from, near SE. cor. sec. 12, T. 24 N., R. 8 E., 50 ft. N. and 30 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 106 Mac 1923"	795.730
Melvin, 0.5 mi. S. and 1.0 mi. E. from, near SE. cor. sec. 1, T. 24 N., R. 8 E., 135 ft. N. and 21 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 25 1934"	788.057
Reference mark, 220 ft. S. and 40 ft. E. from crossroads, 230 ft. N. of fence line E., in root on W. side of 12-in. elm tree; round iron pin $\frac{1}{2}$ in. in diameter	792.31
Melvin, 0.5 mi. N. and 1.0 mi. E. from, near SW. cor. sec. 31, T. 25 N., R. 9 E., 25 ft. N. and 35 ft. E. from crossroads, in fence corner, in root on W. side of hedge tree; bent spike	800.54
Melvin, 0.8 mi. N. and 1.0 mi. E. from, 0.25 mi. N. of SW. cor. sec. 31, T. 25 N., R. 9 E., 50 ft. N. and 20 ft. E. from intersection of State Highway 48, in top of E. head wall of small culvert; monel-metal rivet	791.67
Melvin, 1.5 mi. N. and 1.0 mi. E. from, near SW. cor. sec. 30, T. 25 N., R. 9 E., at offset crossroads, 30 ft. E. of junction of T-rd. W., in concrete post; standard tablet stamped "Prim Trav Sta No 107 Mac 1923"	792.322
Melvin, 2.5 mi. N. and 1.0 mi. E. from, near SW. cor. sec. 19, T. 25 N., R. 9 E., at offset crossroads, on E. side of rd., 145 ft. N. of junction of rd. E., 80 ft. N. of junction of rd. W., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 24 1934"	789.523
Melvin, 3.5 mi. N. and 1.0 mi. E. from, 3.0 mi. W. of Roberts, near W. cor. secs. 18 and 19, T. 25 N., R. 9 E., at corner of Ford and Livingston Counties, at offset crossroads, 50 ft. E. of N-S. rd., in line with rd. W., in root on W. side of largest walnut tree in group of trees; spike	779.76
Melvin, 4.5 mi. N. and 1.0 mi. E. from, 1.0 mi. N. and 3.0 mi. W. from Roberts, near SE. cor. sec. 12, T. 25 N., R. 8 E., at offset crossroads, 35 ft. N. and 30 ft. W. from junction of T-rd. W., in concrete post; standard tablet stamped "Prim Trav Sta No 108 Mac 1923"	785.572
4. From crossroads 1 mile southwest of Loda northeast along U. S. Highway 45 to point 0.3 mile northeast of Del Rey (by H. J. Cameron in 1934)	
Loda, 0.6 mi. SW. of sta., on SE. side of highway, 315 ft. N. of junction of private rd. W., near top of hill, 49 ft. N. of N. side of dwelling, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 1 1934"	774.718
Loda, 0.4 mi. SW. of sta., on NW. side of highway, in top of N. end of W. head wall of concrete culvert 25-46.66; monel-metal rivet	769.02
Loda, 81-ft. N. of center line of first street which crosses tracks N. of Illinois Central R. R. sta., 27 ft. NW. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 2 1934"	780.286

Loda, 1.0 mi. NE. of, 0.25 mi. W. of SE. cor. sec. 16, T. 24 N., R. 10 E., at crossroads, in top of E. end of N. head wall of concrete culvert under E.-W. rd.; monel-metal rivet-----	<i>Feet</i> 750.91
Loda, 1.6 mi. NE. of, near quarter corner between secs. 15 and 16, T. 24 N., R. 10 E., 27 ft. SE. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 3 1934"-----	741.695
Loda, 2.0 mi. NE. of, near NW. cor. sec. 15, T. 24 N., R. 10 E., 750 ft. S. and 33 ft. W. from crossroads, on NW. side of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 4 1934"-----	740.315
Loda, 2.6 mi. NE. of, 0.25 mi. W. of center of sec. 10, T. 24 N., R. 10 E., on SE. side of highway, in top of N. head wall of concrete culvert under driveway; monel-metal rivet-----	721.56
Loda, 3.2 mi. NE. of, 2.6 mi. SW. of Buckley, near quarter corner between secs. 3 and 10, T. 24 N., R. 10 E., 0.1 mi. NE. of crossroads, 34 ft. NW. of highway, in front of farmhouse standing on W. side of I. C. R. R., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 5 1934"-----	712.180
Buckley, 2.0 mi. SW. of, near center of NE $\frac{1}{4}$ sec. 3, T. 24 N., R. 10 E., 27 ft. SE. of highway, 209 ft. SW. of E.-W. fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 6 1934"-----	705.650
Buckley, 1.5 mi. SW. of, in SE $\frac{1}{4}$ sec. 34, T. 25 N., R. 10 E., on SE. side of highway, in top of N. head wall of concrete culvert 25-41.73 under driveway; monel-metal rivet-----	709.17
Buckley, 0.6 mi. SW. of, in NW $\frac{1}{4}$ sec. 35, T. 25 N., R. 10 E., 630 ft. SW. of crossroads, in top of N. end of W. head wall of concrete culvert 25-41.06; monel-metal rivet-----	695.38
Buckley, at second street crossing N. of I. C. R. R. sta., 75 ft. N. and 30 ft. W. from intersection of Railroad Avenue and First Street, 30 ft. NW. of center line of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 7 1934"-----	698.956
Buckley, 0.5 mi. NE. of, near S $\frac{1}{4}$ cor. sec. 23, T. 25 N., R. 10 E., 200 ft. NE. of crossroads, on SE. side of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 8 1934"-----	687.744
Buckley, 1.5 mi. NE. of, 0.2 mi. W. of NE. cor. sec. 23, T. 25 N., R. 10 E., 78 ft. S. and 38 ft. W. from junction of T-rd. E., on NW. side of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 9 1934"-----	679.824
Buckley, 2.0 mi. NE. of, near quarter corner between secs. 13 and 14, T. 25 N., R. 10 E., in NW. angle of crossroads, in top of N. head wall of concrete culvert under rd. W.; monel-metal rivet-----	677.21
Buckley, 2.2 mi. NE. of, 0.29 mi. SW. of N. cor. secs. 13 and 14, T. 25 N., R. 10 E., 205 ft. SW. of concrete culvert 25-38.07, 24 ft. NW. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 10 1934"-----	673.748
Buckley, 2.6 mi. NE. of, 3.1 mi. SW. of Del Rey, near NW. cor. sec. 13, T. 25 N., R. 10 E., on SE. side of highway, 183 ft. SW. and 25 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 11 1934"-----	671.990

Del Rey, 2.6 mi. SW. of, 0.15 mi. E. of W $\frac{1}{4}$ cor. sec. 12, T. 25 N., R. 10 E., 0.1 mi. N. of E.-W. quarter-section line, at NE. end of wooden railing along highway, in top of E. head wall of concrete culvert 89.9 under R. R.; monel-metal rivet-----	Feet 666.59
Dey Rey, 1.6 mi. SW. of, in SW $\frac{1}{4}$ oversize sec. 1, T. 25 N., R. 10 E., 0.3 mi. NE. of crossroads, 30 ft. NW. of highway at point opposite fence line E. and S. head wall of concrete culvert, 20 ft. S. of R. R. whistle post, 14 ft. SW. and 5 ft. W. from concrete highway right-of-way marker, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 12 1934"-----	668.02 ¹⁾
Del Rey, 1.1 mi. SW. of, near center of oversize sec. 1, T. 25 N., R. 10 E., 25 ft. SE. of highway, 11 ft. N. of E.-W. fence line, 545 ft. SW. of highway culvert 25-36.13, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 13 1934"-----	667.521
Del Rey, 0.5 mi. SW. of, 634 ft. SW. of junction of rd. E., in S. end of W. head wall of concrete culvert 25-35.51 under highway; monel-metal rivet-----	666.45
Del Rey, 260 ft. N. of I. C. R. R. sta., 110 ft. N. of street crossing, 40 ft. E. of E. rail of track, 60 ft. W. of center line of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 4 1 1934"-----	665.328
Del Rey, 0.3 mi. NE. of, 0.15 mi. E. of N $\frac{1}{4}$ cor. oversize sec. 1, T. 25 N., R. 10 E., 225 ft. S. of crossroads, on NW. side of highway, 67 ft. E. of E. rail of I. C. R. R., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 4 1 1934"-----	658.337
5. From crossroads 2.6 miles northeast of Buckley west along roads to crossroads on Ford-Livingston county line 1 mile north and 3 miles west from Roberts (by H. J. Cameron in 1934) ¹¹	
Buckley, 2.5 mi. N. and 1.2 mi. W. from, 0.23 mi. E. of SW. cor. sec. 10, T. 25 N., R. 10 E., 26 ft. N. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 14 1934"-----	680.160
T. 25 N., R. 10 E., near SE. cor. sec. 9, 26 ft. N. and 96 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 15 1934"-----	681.674
T. 25 N., R. 10 E., near SW. cor. sec. 9, 525 ft. N. of crossroads, in top of E. head wall of bridge; monel-metal rivet-----	681.60
T. 25 N., R. 10 E., near SW. cor. sec. 8, 30 ft. N. and 710 ft. E. from crossroads, 34 ft. S. and 22 ft. E. from SE. corner of schoolhouse, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 16 1934"-----	705.651
T. 25 N., R. 10 E., near SE. cor. sec. 7, 24 ft. N. and 330 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 17 1934"-----	710.078
T. 25 N., R. 9 E., 0.24 mi. W. of S $\frac{1}{4}$ cor. sec. 12, 28 ft. N. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 18 1934"-----	717.454
T. 25 N., R. 9 E., near SW. cor. sec. 12, 21 ft. N. and 114 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 19 1934"-----	719.927

¹¹ Elevations of all bench marks in this line are subject to correction for a local error of approximately 2 feet.

T. 25 N., R. 9 E., near N. cor. secs. 14 and 15, 280 ft. SW. of intersection of State Highway 48, in top of E. head wall of concrete highway culvert 48-10.85; monel-metal rivet-----	<i>Feet</i> 726. 24
T. 25 N., R. 9 E., 950 ft. E. of NW. cor. sec. 15, 22 ft. S. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 20 1934"-----	753. 867
T. 25 N., R. 9 E., near SE. cor. sec. 9, 1.0 mi. N. of Roberts, 22 ft. N. and 233 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 21 1934"-----	757. 564
Roberts, 1.0 mi. N. and 1.5 mi. W. from, 30 ft. S. and 16 ft. E. from N $\frac{1}{4}$ cor. sec. 17, T. 25 N., R. 9 E., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 22 1934"-----	783. 372
Roberts, 1.0 mi. N. and 2.0 mi. W. from, near SE. cor. sec. 7, T. 25 N., R. 9 E., 31 ft. N. and 30 ft. W. from junction of T-rd. S., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "14 23 1934"-----	778. 970
6. From point 0.6 mile south and 0.5 mile west from Piper City along roads alternately south and west to crossroads 1 mile north and 3 miles west from Roberts (by R. A. Wilson in 1934)	

[Continued from Piper City quadrangle, line 3]

Piper City, 1.5 mi. S. and 0.5 mi. W. from, near NW. cor. sec. 16, T. 26 N., R. 9 E., 40 ft. S. and 55 ft. E. from crossroads, in root of 24-in. soft-maple tree; spike and washer-----	711. 39
Piper City, 2.5 mi. S. and 0.5 mi. W. from, near SE. cor. sec. 17, T. 26 N., R. 9 E., 35 ft. N. and 30 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 110 Mac 1923"-----	718. 842
Piper City, 3.4 mi. S. and 0.5 mi. W. from, 0.14 mi. N. of SE. cor. sec. 20, T. 26 N., R. 9 E., 750 ft. N. of crossroads, 66 ft. W. of rd., in root of 15-in. apple tree; spike-----	726. 19
Piper City, 3.6 mi. S. and 0.5 mi. W. from, near NW. cor. sec. 28, T. 26 N., R. 9 E., 450 ft. S. of crossroads, on top of E. guard rail of concrete culvert; chiseled mark-----	724. 51
Piper City, 4.5 mi. S. and 0.5 mi. W. from, near SW. cor. sec. 28, T. 26 N., R. 9 E., 104 ft. N. and 26 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 7 1934"-----	752. 387
Piper City, 5.5 mi. S. and 0.5 mi. W. from, 4.0 mi. N. and 1.0 mi. W. from Roberts, near N. cor. secs. 4 and 5, T. 25 N., R. 9 E., 24 ft. S. of junction of T-rd. N.; standard iron post with bronze cap stamped "16 8 1934"-----	763. 420
Roberts, 4.0 mi. N. and 2.0 mi. W. from, near NE. cor. sec. 6, T. 25 N., R. 9 E., at offset crossroads, 37 ft. S. and 60 ft. W. from junction of T-rd. S., in root of 22-in. elm tree; spike and washer-----	788. 23
Roberts, 4.0 mi. N. and 3.0 mi. W. from, near SW. cor. sec. 31, T. 26 N., R. 9 E., at Ford-Livingston county line, at offset crossroads, 25 ft. N. of junction of rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 109 Mac 1923"-----	795. 527
Roberts, 3.0 mi. W. thence 3.0 mi. N. from, near W $\frac{1}{4}$ cor. oversize sec. 6, T. 25 N., R. 9 E., 155 ft. N. and 30 ft. E. from junction of T-rd. W., in root of 18-in. walnut tree; spike and washer-----	792. 02

958 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Roberts, 3.0 mi. W. thence 2.0 mi. N. from, near NW. cor. sec. 7, T. 25 N.,
R. 9 E., 121 ft. S. and 25 ft. E. from junction of T-rd. W., in concrete
post; U. S. C. & G. S. and State Survey standard disk stamped "16
9 1934"

Feet
784.931

7. From point 0.7 mile northeast of Onarga southwest along U. S.
Highway 45 to point 0.3 mile northeast of Del Rey (by A. J.
Argraves in 1934)

[Continued from Cissna Park quadrangle, line 6]

Onarga, at SE. corner of intersection of Roosevelt Avenue and Oak
Street, 40 ft. S. of center line of Roosevelt Avenue, in concrete post;
U. S. C. & G. S. and State Survey standard disk stamped "T T
4 2 1934"

667.376

Onarga, 1,647 ft. S. of intersection of Roosevelt Avenue and Oak
Street, on right-of-way of I. C. R. R., 61 ft. E. of E. rail of E. track,
in concrete post; U. S. C. & G. S. and State Survey standard disk
stamped "R M 4 2 1934"

662.712

Onarga, 1.0 mi. SW. of, 1.7 mi. NE. of Del Rey, 0.13 mi. S. of quarter
corner between secs. 25 and 30, T. 26 N., Rs. 10 and 11 E., 710 ft.
SW. of crossroads, in top of N. end of concrete highway culvert
25-33.25; monel-metal rivet

666.22

CAMARGO QUADRANGLE

[Latitude 39°45'–40°00'; longitude 88°00'–88°15']

CHAMPAIGN AND DOUGLAS COUNTIES

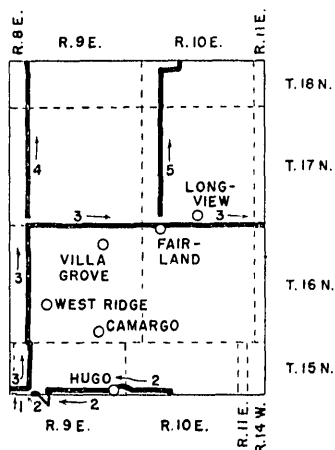


FIGURE 163.—Lines of leveling in Camargo quadrangle.

1. From point 2.9 miles east and 0.8 mile north from Galton north along range-line road 0.2 mile (by L. V. Johnson in 1930; spur line leveled twice)

[Continued from Oakland quadrangle, line 6]

Galton, 2.9 mi. E. thence 1.0 mi. N. from, 5.5 mi. W. of Hugo, near E. cor. secs. 12 and 13, T. 15 N., R. 8 E., 20 ft. W. of junction of T-rd. E., at W. cor. secs. 7 and 18, T. 15 N., R. 9 E., in concrete post; standard tablet stamped "T T Sta No 32 F 1929" (recovered in 1935)-----

Feet
639.936

Reference mark, in SW. angle of rd. junction, 3.5 ft. S. and 17 ft. W. from fence corner, in root on NE. side of 24-in. maple tree; copper nail and washer (recovered in 1932)-----

640.10

2. From point 0.2 mile south and 3 miles east from Hugo along roads north 0.2 mile, thence generally west to point 5.5 miles west of Hugo (by S. R. Archer in 1932)

[Continued from Oakland quadrangle, line 11]

Hugo, 3.0 mi. E. of, near N¼ cor. sec. 16, T. 15 N., R. 10 E., 410 ft. S. of junction of T-rd. W., at steel bridge over drainage ditch, on top of E. bridge seat of N. stone abutment; chiseled square-----

630.11

Hugo, 2.9 mi. E. of, 430 ft. W. of junction of T-rd. W. and quarter corner between secs. 9 and 16, T. 15 N., R. 10 E., at steel bridge over drainage ditch, on top of N. bridge seat of W. abutment; chiseled square-----

629.74

Hugo, 2.5 mi. E. of, near SW. cor. sec. 9, T. 15 N., R. 10 E., 20 ft. N. and 40 ft. E. from junction of T-rd. N., 23 ft. E. of fence corner, in concrete post; standard tablet stamped "T T Sta No. 35 F 1929"-----	Feet 639. 275
Hugo, 1.3 mi. E. of, 0.18 mi. W. of NE. cor. sec. 18, T. 15 N., R. 10 E., 370 ft. E. of T-rd. S., on S. side of rd., in barn lot, 3 ft. E. of point in line with W. end of corncrib, in root on W. side of westernmost of two walnut trees standing 12 ft. apart; copper nail and washer-----	641. 63
Hugo, 0.2 mi. N. and 0.5 mi. E. from, 0.25 mi. N. of SE. cor. sec. 12, T. 15 N., R. 9 E., 20 ft. S. and 20 ft. E. from junction of T-rd. E., in root on S. side of 40-in. oak tree; copper nail and washer-----	641. 34
Hugo, 0.25 mi. N. of, 0.25 mi. N. of S $\frac{1}{4}$ cor. sec. 12, T. 15 N., R. 9 E., 20 ft. N. and 35 ft. E. from junction of N.-S. rd., in concrete post; standard tablet stamped "T T Sta No 34 F 1929"-----	630. 785
Hugo, 28 ft. E. of rd. junction, on S. side of rd., in front of store, 3 ft. W. of gasoline pump, on W. corner of N. end of concrete walk; chiseled square-----	634. 60
Hugo, 365 ft. W. of rd. junction, on N. side of rd., at entrance to Community Church, on top of W. end of top step; chiseled square----	637. 62
Hugo, 1.0 mi. W. of, near S $\frac{1}{4}$ cor. sec. 11, T. 15 N., R. 9 E., 80 ft. N. and 65 ft. E. from junction of T-rd. N., in root on W. side of 10-in. tree, southeasternmost of two small oak trees; copper nail and washer-----	636. 83
Hugo, 1.2 mi. W. of, 0.27 mi. E. of W. cor. secs. 11 and 14, T. 15 N., R. 9 E., at steel bridge over Embarrass River, on top of SE. end of S. wing wall of E. stone abutment; chiseled square-----	631. 50
Hugo, 1.5 mi. W. of, near SE. cor. sec. 10, T. 15 N., R. 9 E., in NW. angle of crossroads, at fence corner, in root on S. side of 24-in. hedge tree; copper nail and washer-----	639. 09
Hugo, 2.5 mi. W. of, near NW. cor. sec. 15, T. 15 N., R. 9 E., 20 ft. S. and 50 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 33 F 1929"-----	642. 865

[Jogs into Oakland quadrangle, line 12]

Hugo, 0.2 mi. S. and 4.5 mi. W. from, 0.8 mi. N. and 3.7 mi. E. from Galton, 0.15 mi. S. of N. cor. secs. 17 and 18, T. 15 N., R. 9 E., 780 ft. S. of T-rd. W., 545 ft. N. of junction of T-rd. E., at steel bridge over drainage canal, on top of W. wing wall of N. concrete abutment; chiseled square (recovered in 1935)-----	637. 03
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------

3. From point 5.5 miles west of Hugo along roads east and south about 1 mile, thence north to crossroads 4 miles north and 1 mile west from West Ridge, thence east along Champaign-Douglas county-line road to point 2 miles south and 0.3 mile west from Broadlands (by S. R. Archer in 1935)

Hugo, 1.2 mi. N. and 4.5 mi. W. from, 1.0 mi. W. thence 3.6 mi. S. from West Ridge, 0.25 mi. N. of SW. cor. sec. 5, T. 15 N., R. 9 E., 150 ft. N. of T-rd. E., on top of N. end of E. head wall of concrete culvert; chiseled square-----	640. 90
West Ridge, 1.0 mi. W. thence 3.1 mi. S. from, near quarter corner between secs. 5 and 6, T. 15 N., R. 9 E., at steel bridge over drainage ditch, on top of NE. end of E. wing wall of N. concrete abutment; chiseled square-----	642. 22

West Ridge, 1.0 mi. W. thence 2.0 mi. S. from, 0.5 mi. S. and 3.0 mi. E. from Tuscola, near SE. cor. sec. 36, T. 16 N., R. 8 E., 75 ft. N. and 25 ft. W. from junction of State Highway 121 and T-rd. N., in concrete post; standard tablet stamped "T T Sta No 67 F 1929 656"-----	<i>Feet</i> 655. 649
Reference mark, 675 ft. E. of tablet, 590 ft. W. of T-rd. S., on top of W. end of S. head wall of concrete culvert under highway; chiseled square-----	652. 94
Baltimore & Ohio R. R. crossing; top of rail-----	666. 3
West Ridge, 1.0 mi. W. thence 1.0 mi. S. from, near NE. cor. sec. 36, T. 16 N., R. 8 E., 35 ft. S. of crossroads, on W. side of rd., 15 ft. S. of fence corner; standard iron post with bronze cap stamped "673"-----	673. 237
Chicago & Eastern Illinois Ry. crossing; top of N. rail of N. track-----	670. 7
West Ridge, 1.0 mi. W. of, near SW cor. sec. 19, T. 16 N., R. 9 E., 90 ft. E. of crossroads, on N. side of rd., in front of schoolhouse, at S. end of walk leading to front entrance, on top of W. side of concrete platform at gate; chiseled square-----	673. 72
West Ridge, 1.0 mi. W. thence 1.0 mi. N. from, 30 ft. N. and 20 ft. W. from junction of T-rd. W. and E. cor. secs. 13 and 24, T. 16 N., R. 8 E., 45 ft. N. and 20 ft. W. from junction of T-rd. E. and W. cor. secs. 18 and 19, T. 16 N., R. 9 E., in concrete post; standard tablet stamped "T T Sta No 66 F 1929 686"-----	685. 651
West Ridge, 1.0 mi. W. thence 2.0 mi. N. from, near SE. cor. sec. 12, T. 16 N., R. 8 E., 375 ft. W. of crossroads, on N. side of rd., in root on SE. side of 24-in. maple tree; copper nail and washer,-----	700. 87
West Ridge, 1.0 mi. W. thence 3.0 mi. N. from, near NW. cor. sec. 7, T. 16 N., R. 9 E., 28 ft. E. of crossroads, on S. side of rd., 8 ft. E. of fence corner, in root on W. side of 10-in. boxelder tree; copper nail and washer-----	700. 40
West Ridge, 1.0 mi. W. thence 4.0 mi. N. from, 1.0 mi. N. thence 4.0 mi. W. from Villa Grove, 2.5 mi. S. thence 2.0 mi. E. from Pesotum, near NE. cor. sec. 1, T. 16 N., R 8 E., 20 ft. S. and 40 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 46 F 1929 697"-----	697. 619
Villa Grove, 1.0 mi. N. thence 3.0 mi. W. from, 4.0 mi. N. of West Ridge, near NW. cor. sec. 5, T. 16 N., R 9 E., in SE. corner of crossroads, on top of S. end of E. head wall of concrete culvert under rd. S.; chiseled square-----	677. 87
Villa Grove, 1.0 mi. N. thence 2.2 mi. W. from, 950 ft. W. of crossroads and E. cor. secs. 32 and 5, Tps. 16 and 17 N., R. 9 E., on top of SE. end of S. wing wall of E. abutment of concrete bridge; chiseled square-----	660. 33
Villa Grove, 1.0 mi. N. thence 1.0 mi. W. from, near NE. cor. sec. 4, T. 16 N., R. 9 E., 25 ft. S. and 45 ft. W. from junction of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 47 F 1929 650"-----	649. 751
Villa Grove, 1.0 mi. N. of, near SW. cor. sec. 35, T. 17 N., R. 9 E., in NE. angle of crossroads, in ditch, at top of catch basin for underground drainage, on top of SW. side of circular concrete base of iron grating; chiseled square-----	650. 09

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Villa Grove, 1.0 mi. N. thence 0.5 mi. E. from, near S $\frac{1}{4}$ cor. sec. 35, T. 17 N., R. 9 E., 140 ft. W. of crossroads, on N. side of rd., in fence line, in root on N. side of 8-in. Osage-orange tree; copper nail and washer-----	Feet 649.06
Chicago & Eastern Illinois Ry. crossing; top of E. rail-----	650.8
Villa Grove, 1.0 mi. N. thence 1.1 mi. E. from, near S. cor. secs. 35 and 36, T. 17 N., R. 9 E., 0.1 mi. E. of C. & E. I. R. R. crossing, on top of NE. end of NE. wing wall of concrete bridge; chiseled square-----	645.33
Villa Grove, 1.0 mi. N. thence 2.0 mi. E. from, 1.0 mi. W. of Fairland, 0.3 mi. S. thence 3.0 mi. W. from Longview, near SE. cor. sec. 36, T. 17 N., R. 9 E., 20 ft. N. and 26 ft. W. from junction of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 48 F 1929 656"-----	656.042
Reference mark, 600 ft. E. of tablet, on top of E. end of N. head wall of concrete culvert; chiseled square-----	656.84
Fairland, at NW. part of, near NW. cor. sec. 5, T. 16 N., R. 10 E., 40 ft. S. and 90 ft. E. from junction of T-rd. N., 315 ft. W. of T-rd. S., in barnyard, on top of NE. corner of concrete base of gasoline pump; chiseled square-----	655.68
Fairland, 1.0 mi. E. of, 0.3 mi. S. thence 1.0 mi. W. from Longview, near SE. cor. sec. 32, T. 17 N., R. 10 E., in NW. corner of crossroads, on top of SW. end of W. wing wall of S. concrete abutment of bridge on rd. N.; chiseled square-----	659.71
Longview, 0.3 mi. S. of, at offset crossroads, 25 ft. S. and 40 ft. W. from junction of rd. S. and N. cor. secs. 3 and 4, T. 16 N., R. 10 E., in concrete post; standard tablet stamped "665"-----	664.743
Reference mark, 20 ft. E. of tablet, in SW. corner of crossroads, on top of S. end of W. head wall of concrete culvert under rd. S.; chiseled square-----	666.57
Longview, 0.3 mi. S. thence 1.0 mi. E. from, near SE. cor. sec. 34, T. 17 N., R. 10 E., in NW. corner of crossroads, on top of W. wing wall of S. abutment of concrete culvert under rd. N.; chiseled square-----	676.18
Longview, 0.3 mi. S. thence 2.0 mi. E. from, near SW. cor. sec. 36, T. 17 N., R. 10 E., in NE. angle of offset crossroads, 5 ft. W. of junction of rd. S., 30 ft. E. of rd. N., in root on N. side of 12-in. catalpa tree; copper nail and washer-----	684.59
Longview, 0.3 mi. S. thence 3.2 mi. E. from, 2.0 mi. S. thence 0.6 mi. W. from Broadlands, 820 ft. E. of SW. cor. sec. 31, T. 17 N., R. 11 E., on N. side of rd., on top of E. end of concrete culvert under driveway to farmhouse; chiseled square-----	685.57
[Continued in Hume quadrangle, line 3]	
4. From crossroads 1 mile north and 4 miles west from Villa Grove north along range-line road to point 1.1 miles north and 1 mile east from Tolono (by S. R. Archer in 1935)	
Villa Grove, 2.0 mi. N. and 4.0 mi. W. from, 1.5 mi. S. thence 2.0 mi. E. from Pesotum, near NW. cor. sec. 31, T. 17 N., R. 9 E., 40 ft. S. of crossroads, on E. side of rd., in field, 18 ft. S. and 5 ft. E. from fence corner, in root on N. side of 10-in. walnut tree; copper nail and washer-----	692.98

Pesotum, 0.5 mi. S. thence 2.0 mi. E. from, near SE. cor. sec. 24, T. 17 N., R. 8 E., in NW. cor. of crossroads, on top of angular corner of N. head wall of concrete culvert under rd. W.; chiseled square-----	<i>Feet</i> 691.93
Pesotum, 0.5 mi. N. thence 2.0 mi. E. from, 4.2 mi. S. and 1.0 mi. E. from Tolono, near SE. cor. sec. 13, T. 17 N., R. 8 E., 50 ft. N. and 25 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 65 F 1929 697"-----	697.305
Tolono, 3.2 mi. S. and 1.0 mi. E. from, near NW. cor. sec. 18, T. 17 N., R. 9 E., 30 ft. S. and 55 ft. E. from crossroads, in field, in root on W. side of small forked Osage-orange tree; copper nail and washer-----	696.75
Tolono, 2.2 mi. S. and 1.0 mi. E. from, near SE. cor. sec. 1, T. 17 N., R. 8 E., in NW. corner of crossroads, on top of angular corner of concrete head wall of culvert; chiseled square-----	698.05
Tolono, 1.2 mi. S. and 1.0 mi. E. from, near SE. cor. sec. 36, T. 18 N., R. 8 E., 40 ft. N. and 25 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 64 F 1929 706"-----	706.676
Tolono, 0.3 mi. S. and 1.0 mi. E. from, 420 ft. S. of NW. cor. sec. 31, T. 18 N., R. 9 E., 420 ft. S. of crossroads, on E. side of rd., in yard of farmhouse, in root on W. side of 12-in. tree, southernmost of two maple trees standing 30 ft. apart; copper nail and washer--	713.15
Wabash Ry. crossing; top of S. rail-----	716.1
Tolono, 0.8 mi. N. and 1.0 mi. E. from, near SW. cor. sec. 19, T. 18 N., R. 9 E., 25 ft. N. and 55 ft. E. from crossroads, 35 ft. E. of fence corner; standard iron post with bronze cap stamped "715"-----	715.302

[Continued in Urbana quadrangle, line 9]

5. From Fairland along roads north 8 miles, thence east 1 mile, thence north to point 1.6 miles south and 1 mile west from Sidney (by S. R. Archer in 1935)

Fairland, 1.0 mi. N. of, near SE. cor. sec. 30, T. 17 N., R. 10 E., 120 ft. W. of crossroads, on N. side of rd., at entrance to schoolhouse, on top of E. end of lower step; chiseled square-----	671.29
Fairland, 2.0 mi. N. of, near SE. cor. sec. 19, T. 17 N., R. 10 E., 80 ft. N. of crossroads, on W. side of rd., at fence line, in bent trunk on W. side of 5-in. wild-cherry tree; copper nail and washer-----	680.27
Fairland, 3.0 mi. N. of, near NE. cor. sec. 19, T. 17 N., R. 10 E., at crossroads, 120 ft. S. of junction of rd. E., on W. side of rd., at NE. corner of schoolyard; standard iron post with bronze cap stamped "670"-----	670.452
Reference mark, 20 ft. S. and 10 ft. W. from iron post, in NE. corner of schoolyard, in root on SE. side of 40-in. maple tree; copper nail and washer-----	670.38
Fairland, 3.7 mi. N. of, 0.24 mi. N. of quarter corner between secs. 17 and 18, T. 17 N., R. 10 E., at highway bridge over drainage ditch, on top of W. end of N. abutment at junction of bridge seat and wing wall; chiseled square-----	664.35
Fairland, 4.0 mi. N. of, near NW. cor. sec. 17, T. 17 N., R. 10 E., 80 ft. E. of junction of T-rd. E., on S. side of rd., at fence line, in root on W. side of 12-in. walnut tree; copper nail and washer-----	664.88

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Fairland, 5.0 mi. N. of, near SE. cor. sec. 6, T. 17 N., R. 10 E., 110 ft. N. and 50 ft. W. from crossroads, in schoolyard, on top of SE. corner of concrete well curb; chiseled square-----	<i>Feet</i> 679.76
Fairland, 6.0 mi. N. of, near NW. cor. sec. 5, T. 17 N., R. 10 E., at crossroads, 25 ft. S. and 33 ft. E. from junction of rd. S., 13 ft. E. of fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "756"-----	756.104
Fairland, 7.0 mi. N. of, near NW. cor. sec. 32, T. 18 N., R. 10 E., in SE. angle of crossroads, in NW. corner of schoolyard, in root on W. side of 36-in. maple tree; copper nail and washer-----	721.21
Fairland, 8.0 mi. N. thence 1.0 mi. E. from, 1.8 mi. S. and 1.0 mi. W. from Sidney, near SE. cor. sec. 20, T. 18 N., R. 10 E., in NW. angle of crossroads, inside and 4 ft. NW. of hedge fence corner; standard iron post with bronze cap stamped "Prim Trav Sta No 3 1905 685"-----	685.159

[Continued in Urbana quadrangle, line 10]

CASEY QUADRANGLE

[Latitude 39°15'–39°30' ; longitude 87°45'–88°00']

CLARK, COLES, AND EDGAR COUNTIES

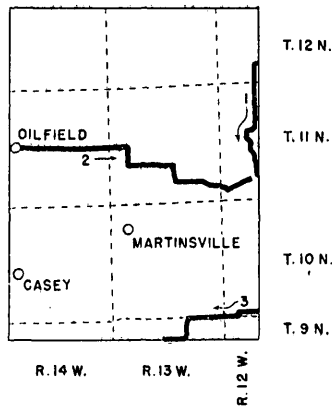


FIGURE 164.—Lines of leveling in Casey quadrangle.

1. From point 4.6 miles north and 2.9 miles west from Marshall along roads west, south, and east to point on U. S. Highway 40 about 3.2 miles southwest of Marshall (by S. R. Archer in 1931)

[Continued from Marshall quadrangle, line 3]

Marshall, 4.6 mi. N. and 3.1 mi. W. from, near SW. cor. sec. 28, T. 12 N., R. 12 W., in NE. corner of crossroads, on top of E. head wall of concrete culvert; chiseled square-----	Feet 641.03
Marshall, 3.6 mi. N. and 3.1 mi. W. from, near NE. cor. sec. 5, T. 11 N., R. 12 W., at offset crossroads, 135 ft. S. of junction of rd. S., on W. side of rd., at fence line, in root on S. side of 12-in. oak tree; copper nail and washer-----	636.62
Marshall, 2.6 mi. N. and 3.1 mi. W. from, near SW. cor. sec. 4, T. 11 N., R. 12 W., 20 ft. N. and 25 ft. E. from junction of T-rd. E., in concrete post; standard tablet stamped "T T Sta No 105 F 1929"-----	630.741
Marshall, 2.2 mi. N. and 3.1 mi. W. from, 800 ft. N. of W¼ cor. sec. 9, T. 11 N., R. 12 W., in SE. corner of crossroads, on top of E. head wall of concrete culvert; chiseled square-----	628.83
Marshall, 1.6 mi. N. and 3.1 mi. W. from, near SW. cor. sec. 9, T. 11 N., R. 12 W., 75 ft. E. of junction of T-rd. E., on N. side of rd., at fence line, in root on NW. side of 8-in. oak tree; copper nail and washer-----	624.30
Marshall, 1.1 mi. N. and 3.6 mi. W. from, near center of section 17, T. 11 N., R. 12 W., in SE. corner of junction of T-rd. S., on top of E. head wall of concrete culvert; chiseled square-----	609.75

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Marshall, 0.6 mi. N. and 3.5 mi. W. from, 0.25 mi. W. of NE. cor. sec. 20, T. 11 N., R. 12 W., 150 ft. E. of T-rd. S., on top of S. head wall of concrete culvert; chiseled square-----	Feet 613. 25
Marshall, 3.3 mi. SW. along U. S. Highway 40 thence 0.7 mi. N. from, 10.5 ft. N. of SW. cor. sec. 21, T. 11 N., R. 12 W., 15 ft. N. and 15 ft. E. from right angle in rd., 120 ft. N. and 15 ft. E. from Pennsylvania R. R. crossing, in concrete post; standard tablet stamped "T T Sta No 106 F 1929" ¹² -----	604. 464
Marshall, 3.3 mi. SW. of, 1.9 mi. NE. of Clark Center, about 0.25 mi. N. of SW. cor. sec. 28, T. 11 N., R. 12 W., in NE. corner of intersection of U. S. Highway 40, on top of E. head wall of concrete culvert; chiseled square (recovered in 1932)-----	607. 48
Marshall, 3.3 mi. SW. of, 1.9 mi. NE. of Clark Center, about 0.25 mi. N. of SW. cor. sec. 28, T. 11 N., R. 12 W., 120 ft. E. of intersection of U. S. Highway 40, on S. side of highway, on top of E. head wall of concrete culvert under E. driveway to service sta.; chiseled square (recovered in 1932)-----	607. 40
[Continued in Marshall quadrangle, line 4]	
2. From point 0.5 mile west of Oilfield alternately east and south along roads to Clark Center, thence northeast along U. S. Highway 40 to crossroads 3.3 miles southwest of Marshall (by S. R. Archer in 1932)	
[Connects with line 6 in Toledo quadrangle]	
Oilfield, 0.3 mi. W. of, about 0.1 mi. W. of SE. cor. sec. 18, T. 11 N., R. 14 W., 110 ft. W. of bridge over drainage ditch, 55 ft. N. of rd., in root on S. side of 36-in. ash tree; copper nail and washer----	652. 84
Oilfield, 0.2 mi. E. of, near S $\frac{1}{4}$ cor. sec. 17, T. 11 N., R. 14 W., in NW. corner of intersection of State Highway 49, on top of N. end of W. head wall of concrete culvert; chiseled square-----	665. 28
Oilfield, 1.0 mi. E. of, 0.2 mi. W. of S $\frac{1}{4}$ cor. sec. 16, T. 11 N., R. 14 W., 420 ft. E. of bridge, 230 ft. E. of fence line S., on N. side of rd., in root on SE. side of 30-in. tree, easternmost of row of five maple trees; copper nail and washer-----	660. 82
Oilfield, 1.7 mi. E. of, near NW. cor. sec. 22, T. 11 N., R. 14 W., 25 ft. S. and 52 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 87 E 1929"-----	665. 565
T. 11 N., R. 14 W., near SE. cor. sec. 15, in NW. corner of crossroads, 12 ft. N. of intersection of fence lines, in root on E. side of 12-in. hedge tree; copper nail and washer-----	660. 78
T. 11 N., R. 14 W., 0.22 mi. W. of NE. cor. sec. 23, 50 ft. S. of rd., 8 ft. N. and 55 ft. E. from NE. corner of church, in root on NE. side of 12-in. hickory tree; copper nail and washer-----	652. 76
T. 11 N., R. 14 W., near E. cor. secs. 13 and 24, 240 ft. E. of junction of rd. N., at Twin Bridges over North Fork of Embarrass River, on top of N. parapet of E. abutment; chiseled square-----	594. 46
T. 11 N., R. 13 W., near NE. cor. sec. 19, 4.5 mi. N. of Martinsville, 2.0 mi. S. and 1.2 mi. E. from Cleone, 36 ft. S. and 27 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 86 E 1929"-----	637. 848

¹² In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "R 86 1935," elevation 606.508 ft.

Martinsville, 3.5 mi. N. of, near NE. cor. sec. 30, T. 11 N., R. 13 W., 45 ft. W. of crossroads, on S. side of rd., at fence line, in root on S. side of 24-in. hickory tree; copper nail and washer-----	<i>Feet</i> 629. 70
Martinsville, 3.5 mi. N. thence 1.0 mi. E. from, near SW. cor. sec. 21, T. 11 N., R. 13 W., 130 ft. E. of crossroads, on N. side of rd., inside fence, in root on N. side of 30-in. elm tree; copper nail and washer---	642. 95
Martinsville, 3.5 mi. N. thence 1.6 mi. E. from, 0.14 mi. E. of N $\frac{1}{4}$ cor. sec. 28, T. 11 N., R. 13 W., on S. side of rd., in root on E. side of forked elm tree; copper nail and washer-----	655. 14
Martinsville, 3.5 mi. N. thence 2.5 mi. E. from, near N $\frac{1}{4}$ cor. sec. 27, T. 11 N., R. 13 W., 28 ft. S. and 18 ft. W. from junction of N.-S. rd., in concrete post; standard tablet stamped "T T Sta No 85 E 1929"-----	659. 213
Martinsville, 2.5 mi. N. thence 2.5 mi. E. from, near S $\frac{1}{4}$ cor. sec. 27, T. 11 N., R. 13 W., in NE. corner of crossroads, on top of E. end of N. head wall of concrete culvert under rd. E.; chiseled square-----	649. 64
Martinsville, 2.5 mi. N. thence 3.2 mi. E. from, 0.25 mi. W. of N $\frac{1}{4}$ cor. sec. 35, T. 11 N., R. 13 W., 60 ft. S. and 30 ft. E. from junction of T-rd. S., 2 ft. above ground, in notch cut in NW. side of trunk of 28-in. cottonwood tree; copper nail and washer-----	651. 74
Martinsville, 2.5 mi. N. thence 4.0 mi. E. from, 1.4 mi. NW. of Clark Center, near SE. cor. sec. 26, T. 11 N., R. 13 W., at crossroads, 36 ft. N. and 9 ft. W. from junction of rd. N., on top of S. end of W. head wall of concrete culvert; chiseled square-----	638. 65
Clark Center, 0.8 mi. NW. of, about 0.25 mi. N. of center of sec. 36, T. 11 N., R. 13 W., 120 ft. E. of Pennsylvania R. R. crossing, on top of S. head wall of concrete culvert under rd.; chiseled square-----	620. 50
Clark Center, at intersection of U. S. Highway 40, 0.25 mi. W. of center of sec. 31, T. 11 N., R. 12 W., 33 ft. N. and 30 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 84 E 1929"---	616. 095
Reference mark, in NE. corner of crossroads, on top of E. head wall of concrete culvert; chiseled square-----	618. 33
Clark Center, 0.7 mi. NE. of, in NE $\frac{1}{4}$ sec. 31, T. 11 N., R. 12 W., at bridge over Mill Creek, on top of S. parapet of W. concrete abutment; chiseled square-----	538. 48
Clark Center, 1.8 mi. NE. of, 3.6 mi. SW. of Marshall, near S $\frac{1}{4}$ cor. sec. 29, T. 11 N., R. 12 W., on E. side of highway, about midway of reverse curve on hill, in NE. corner of junction of T-rd. S., on top of N. head wall of concrete culvert under rd. S.; chiseled square----	573. 36

3. From point 1.8 miles south and 0.2 mile west from Allright alternately west and south along roads to point near Needmore (by S. R. Archer in 1932)

[Connects with line 8 in Marshall quadrangle]

Allright, 1.8 mi. S. thence 1.0 mi. W. from, 0.25 mi. S. of E $\frac{1}{4}$ cor. sec. 31, T. 10 N., R. 12 W., 20 ft. S. and 18 ft. W. from junction of T-rd. N., 8 ft. S. of fence, in field, in root on NW. side of three-forked oak tree; copper nail and washer-----	583. 94
Allright, 1.8 mi. S. thence 2.0 mi. W. from, 0.25 mi. W. of S $\frac{1}{4}$ cor. sec. 31, T. 10 N., R. 12 W., on N. side of rd., at fence corner, in root on SW. side of 30-in. oak tree; copper nail and washer-----	589. 43

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Allright, 1.8 mi. S. thence 2.6 mi. W. from, about 6.5 mi. SE. of Martinsville, 0.25 mi. E. of S $\frac{1}{4}$ cor. sec. 36, T. 10 N., R. 13 W., 200 ft. NW. of crossroads, on top of SE. end of SW. head wall of concrete culvert; chiseled square-----	<i>Feet</i> 579.66
Allright, 1.8 mi. S. thence 3.3 mi. W. from, 3.0 mi. E. and 1.1 mi. N. from Neadmore, near NW. cor. sec. 1, T. 9 N., R. 13 W., 20 ft. S. and 23 ft. E. from junction of T-rd. S., in concrete post; standard tablet stamped "19 A 1932"-----	585.826
Neadmore, 2.0 mi. E. thence 1.1 mi. N. from, near NW. cor. sec. 2, T. 9 N., R. 13 W., 150 ft. E. of T-junction of N.-S. rd., on S. side of rd., inside fence, in root on SE. side of 24-in. oak tree; copper nail and washer-----	588.89
Neadmore, 2.0 mi. E. thence 0.1 mi. N. from, 0.1 mi. N. of S. cor. secs. 2 and 3, T. 9 N., R. 13 W., and crossroads, at bridge over Willow Creek, on top of W. parapet of S. concrete abutment; chiseled square-----	567.03
Neadmore, 1.0 mi. E. of, near SE. cor. sec. 4, T. 9 N., R. 13 W., 100 ft. W. of crossroads, on N. side of rd., in root on NW. side of 15-in. wild-cherry tree; copper nail and washer-----	583.25

[Continued in Moonshine quadrangle, line 8]

CHATSWORTH QUADRANGLE

[Latitude 40°45'–41°00'; longitude 88°15'–88°30']

LIVINGSTON COUNTY

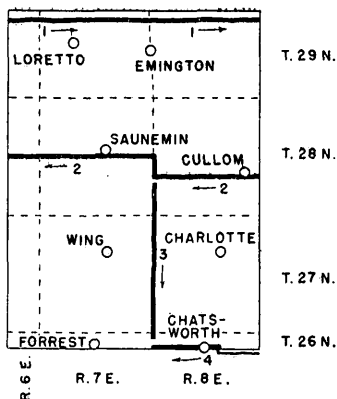


FIGURE 165.—Lines of leveling in Chatsworth quadrangle.

1. From point 0.7 mile southeast thence 1 mile east from Odell east along road to point about 2 miles west of Cabery (by L. W. Winbolt in 1934)

[Continued from Pontiac quadrangle, line 9]

Odell, 0.7 mi. SE. thence 1.6 mi. E. from, near SE. cor. sec. 11, T. 29 N., R. 6 E., 75 ft. N. and 25 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "9 8 1934"	Feet 694.894
Reference mark, 0.15 mi. E. of crossroads, on S. head wall of culvert; top of reinforcing rod	696.32
T. 29 N., R. 7 E., 0.15 mi. E. of SW. cor. sec. 7, on top of N. head wall of culvert; chiseled square	697.28
T. 29 N., R. 7 E., near NW. cor. sec. 17, 25 ft. S. and 160 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 93 Mac 1923"	705.920
T. 29 N., R. 7 E., near NW. cor. sec. 16, 1.0 mi. N. of Loretta, 25 ft. S. and 90 ft. E. from crossroads; top of iron pipe	702.80
T. 29 N., R. 7 E., near NW. cor. sec. 15, 25 ft. S. and 240 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "9 9 1934" ¹³	682.333
T. 29 N., R. 7 E., near NE cor. sec. 15, 0.1 mi. W. of crossroads, on top of SE. wing wall of bridge; chiseled square	677.30

¹³ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "F 21 1934," elevation 682.922 ft.

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T. 29 N., R. 7 E., near SW. cor. sec. 11, 27 ft. N. and 42 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 94 Mac 1923"-----	<i>Feet</i> 677.995
T. 29 N., R. 7 E., 0.25 mi. E. of NW. cor. sec. 14, on top of S. head wall of culvert; chiseled square-----	676.09
T. 29 N., R. 7 E., near NE. cor. sec. 14, 0.1 mi. W. of crossroads, on top of SE. wing wall of bridge; chiseled square-----	668.51
T. 29 N., R. 8 E., near NW. cor. sec. 18, 1.5 mi. N. of Emington, 25 ft. S. and 75 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "9 10 1934"-----	673.610
Reference mark, 0.1 mi. E. of crossroads, on top of NE. head wall of bridge; chiseled square-----	671.09
T. 29 N., R. 8 E., near NW. cor. sec. 17, 25 ft. S. and 40 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 95 Mac 1923"-----	686.795
T. 29 N., R. 8 E., 0.1 mi. E. of N $\frac{1}{4}$ cor. sec. 16, on top of SW. wing wall; chiseled square-----	669.49
T. 29 N., R. 8 E., near NE. cor. sec. 16, 25 ft. S. and 90 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "9 11 1934"-----	678.947
Reference mark, 0.15 mi. E. of crossroads, on top of N. head wall of concrete culvert; chiseled square-----	674.29
T. 29 N., R. 8 E., 0.1 mi. W. of S $\frac{1}{4}$ cor. sec. 10, on top of NW. wing wall of culvert; chiseled square-----	673.74
T. 29 N., R. 8 E., near SW. cor. sec. 11, 23 ft. N. and 240 ft. E. from crossroads, 95 ft. SW. of SW. corner of house, in concrete post; standard tablet stamped "Prim Trav Sta No 96 Mac 1923"-----	678.925
T. 29 N., R. 8 E., 0.25 mi. E. of SW. cor. sec. 11, on top of NE. wing wall of bridge; chiseled square-----	664.59
T. 29 N., R. 8 E., near NW. cor. sec. 13, 25 ft. S. and 90 ft. E. from crossroads; top of iron pipe-----	691.32
T. 29 N., R. 8 E., 0.15 mi. W. of N $\frac{1}{4}$ cor. sec. 13, on top of S. head wall of highway culvert; chiseled square-----	684.66
T. 29 N., R. 8 E., near NE. cor. sec. 13, 0.1 mi. W. of crossroads, on top of S. head wall of culvert; chiseled square-----	694.02

[Connects with line 1 in Piper City quadrangle]

2. From point about 1 mile east of Cullom generally west along State Highway 116 to point 5 miles west of Saunemin (by A. J. Brackett in 1934)

[Continued from Piper City quadrangle, line 2]

Cullom, 1.0 mi. E. of, 0.1 mi. E. of S $\frac{1}{4}$ cor. sec. 24, T. 28 N., R. 8 E., near center of top of N. head wall of concrete culvert; chiseled square-----	674.56
Cullom, in E. part of town, near NW. cor. sec. 25, T. 28 N., R. 8 E., 25 ft. S. and 150 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 9 1934"-----	688.592
Cullom, 0.5 mi. W. of, near SW. cor. sec. 23, T. 28 N., R. 8 E., 35 ft. N. and 35 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 10 1934"-----	690.770

	<i>Feet</i>
Cullom, 0.75 mi. W. of, 0.26 mi. W. of SE. cor. sec. 22, T. 28 N., R. 8 E., 35 ft. N. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 11 1934"-----	707.427
Cullom, 1.5 mi. W. of, near SE. cor. sec. 21, T. 28 N., R. 8 E., 30 ft. N. and 30 ft. W. from crossroads, near center of top of N. head wall of concrete culvert; chiseled square-----	696.66
Cullom, 2.5 mi. W. of, near SW. cor. sec. 21, T. 28 N., R. 8 E., 35 ft. N. and 90 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 12 1934"-----	704.182
Cullom, 3.5 mi. W. of, 0.37 mi. E. of NW. cor. sec. 29, T. 28 N., R. 8 E., 38 ft. S. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 13 1934"-----	715.558
Cullom, 4.5 mi. W. of, 2.5 mi. E. thence 1.0 mi. S. from Saunemin, near SW. cor. sec. 19, T. 28 N., R. 8 E., 30 ft. E. of crossroads, on top of N. head wall of concrete culvert; chiseled square-----	699.68
Cullom, 4.5 mi. W. of, 2.5 mi. E. thence 1.0 mi. S. from Saunemin, near NE. cor. sec. 25, T. 28 N., R. 7 E., 30 ft. W. of crossroads, on top of S. head wall of concrete culvert; chiseled square-----	699.72
Saunemin, 2.5 mi. E. of, 1.5 mi. S. of Griswold, near SE. cor. sec. 13, T. 28 N., R. 7 E., 36 ft. N. and 25 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 8 8 1934"-----	697.674
Saunemin, 1.8 mi. E. of, 0.2 mi. E. of NW. cor. sec. 24, T. 28 N., R. 7 E., on SW. wing wall of concrete bridge; chiseled square-----	676.61
Saunemin, 1.5 mi. E. of, near SE. cor. sec. 14, T. 28 N., R. 7 E., 35 ft. N. and 25 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 14 1934"-----	681.736
Saunemin, 1.2 mi. E. of, 0.22 mi. W. of SE. cor. sec. 14, T. 28 N., R. 7 E., 36 ft. N. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 15 1934"-----	694.512
Saunemin, in SE. part of town, 0.17 mi. E. of quarter corner between secs. 15 and 22, T. 28 N., R. 7 E., 25 ft. N. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 16 1934"-----	685.190
Saunemin, 0.5 mi. W. of, near NW. cor. sec. 22, T. 28 N., R. 7 E., 40 ft. S. and 115 ft. E. from intersection of State Highway 47, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 17 1934" ¹⁴ -----	674.697
Saunemin, 1.0 mi. W. of, near N $\frac{1}{4}$ cor. sec. 21, T. 28 N., R. 7 E., near center of top of S. head wall of concrete culvert; chiseled square-----	686.72
Saunemin, 1.9 mi. W. of, 0.11 mi. E. of S $\frac{1}{4}$ cor. sec. 17, T. 28 N., R. 7 E., 35 ft. N. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 18 1934"-----	714.578
Saunemin, 2.5 mi. W. of, 1.5 mi. S. of Eylar, near NE. cor. sec. 19, T. 28 N., R. 7 E., 35 ft. S. and 45 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 19 1934"-----	705.215

¹⁴ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "K 21 1934," elevation 675.871 ft.

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Saunemin, 3.4 mi. W. of, 0.14 mi. E. of NW. cor. sec. 19, T. 28 N., R. 7 E., 750 ft. E. of crossroads, on top of SE wing wall of concrete bridge; chiseled square-----	<i>Feet</i> 676. 61
Saunemin, 4.5 mi. W. of, 1.5 mi. S. of Rugby, 1.5 mi. S. and 2.0 mi. E. from Swygert, near SE. cor. sec. 14, T. 28 N., R. 6. E., 35 ft. N. and 25 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 20 1934"-----	700. 074

[Continued in Pontiac quadrangle, line 6]

3. From crossroads 4.5 miles west of Cullom south along range-line road to point 3.1 miles west of Chatsworth (by A. J. Brackett in 1934)

Cullom, 4.5 mi. W. of, 2.5 mi. E. thence 1.0 mi. S. from Saunemin, near SE. cor. sec. 24, T. 28 N., R. 7 E., 490 ft. N. and 25 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 8 7 1934"-----	709. 120
Saunemin, 2.5 mi. E. thence 1.3 mi. S. from, 0.17 mi. N. of W $\frac{1}{4}$ cor. sec. 30, T. 28 N., R. 8 E., 30 ft. E. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 8 7 1934"-----	714. 898
T. 28 N., R. 7 E., 0.12 mi. N. of W $\frac{1}{4}$ cor. sec. 36, 30 ft. W. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 8 6 1934"-----	711. 315
T. 27 N., R. 7 E., near NE. cor. sec. 1, 400 ft. S. of crossroads, 30 ft. W. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 8 6 1934"-----	666. 368
T. 27 N., R. 7 E., 0.16 mi. N. of E $\frac{1}{4}$ cor. sec. 12, 28 ft. W. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 8 5 1934"-----	665. 160
T. 27 N., R. 8 E., near SW. cor. sec. 7, 2.5 mi. E. of Wing, 135 ft. N. and 25 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 8 5 1934"-----	649. 657
T. 27 N., R. 7 E., near SE. cor. sec. 13, 225 ft. N. and 30 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 8 4 1934"-----	673. 444
T. 27 N., R. 8 E., 0.15 mi. N. of W $\frac{1}{4}$ cor. sec. 19, 0.35 mi. S. of crossroads, 30 ft. E. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 8 4 1934"-----	677. 770
T. 27 N., R. 8 E., 0.25 mi. S. of NW. cor. sec. 30, 28 ft. E. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 8 3 1934"-----	604. 513
T. 27 N., R. 7 E., 0.1 mi. S. of E $\frac{1}{4}$ cor. sec. 25, 0.4 mi. N. of crossroads, 30 ft. W. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 8 3 1934"-----	708. 986
T. 27 N., R. 8 E., 600 ft. S. of W $\frac{1}{4}$ cor. sec. 31, 0.4 mi. N. of crossroads, 24 ft. E. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 8 2 1934"-----	733. 550
T. 26 N., R. 8 E., 475 ft. N. of W $\frac{1}{4}$ cor. sec. 6, 3.1 mi. W. thence 0.4 mi. N. from Chatsworth, 30 ft. E. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 8 2 1934"-----	771. 738

Chatsworth, 3.1 mi. W. of, 3.0 mi. E. of Forrest, about 0.2 mi. S. of W $\frac{1}{4}$ cor. sec. 6, T. 26 N., R. 8 E., 41 ft. N. and 306 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 10 1934"-----	<i>Feet</i> 751. 345
4. From Chatsworth west along U. S. Highway 24 to crossroads 3 miles east of Forrest (by R. A. Wilson in 1934)	
[Continued from Strawn quadrangle, line 5]	
Chatsworth, 150 ft. S. of Toledo, Peoria & Western R. R. sta., at NE. corner of schoolyard, 12 ft. SW. of hydrant, at sidewalk intersection, 2.5 ft. S. of one walk and 2 ft. W. of the other walk, in concrete post flush with ground; U. S. C. & G. S. and State Survey standard disk stamped "16 15 1934" (recovered by U. S. C. & G. S. in 1935)-----	735. 284
Chatsworth, 0.3 mi. W. of T. P. & W. R. R. sta., 34 ft. N. and 74 ft. W. from junction of street S., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 14 1934"-----	735. 738
Chatsworth, 1.0 mi. W. of, near quarter corner between secs. 4 and 5, T. 26 N., R. 8 E., 0.19 mi. E. of junction of T-rd. S., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 13 1934"-----	756. 136
Chatsworth, 2.0 mi. W. of, 0.16 mi. E. of W $\frac{1}{4}$ cor. sec. 5, T. 26 N., R. 8 E., 845 ft. E. of crossroads, 33 ft. N. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 12 1934"-----	777. 088
Chatsworth, 2.7 mi. W. of, 3.4 mi. E. of Forrest, near center of sec. 6, T. 26 N., R. 8 E., 44 ft. N. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 11 1934"-----	768. 025

CHENOA QUADRANGLE

[Latitude 40°30'–40°45'; longitude 88°30'–88°45']

LIVINGSTON AND McLEAN COUNTIES

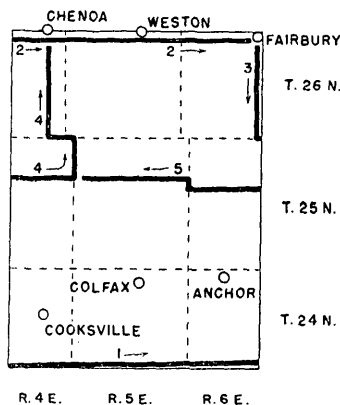


FIGURE 166.—Lines of leveling in Chenoa quadrangle.

1. From point 2.8 miles south and 1.7 miles west from Cooksville east along section-line road to point 4.7 miles south and 1.8 miles east from Anchor (by L. V. Johnson in 1930; leveled twice)

[Connects with line 5 in Normal quadrangle]

Cooksville, 2.8 mi. S. thence 1.5 mi. W. from, near SE. cor. sec. 28, T. 24 N., R. 4 E., 11 ft. N. and 40 ft. W. from crossroads, on N. head wall of concrete culvert; chiseled square-----	Feet 846.36
Cooksville, 2.8 mi. S. of, near N¼ cor. sec. 35, T. 24 N., R. 4 E., 30 ft. S. and 28 ft. E. from crossroads, at N-S. fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 25 Mac 1923"-----	834.641
Reference mark, in SW. angle of crossroads, on W. head wall of concrete culvert; chiseled square-----	834.05
Cooksville, 2.8 mi. S. thence 0.7 mi. E. from, 0.25 mi. E. of SW. cor. sec. 25, T. 24 N., R. 4 E., 15 ft. N. and 60 ft. W. from junction of T-rd. N., on W. end of N. concrete wing wall of culvert over drain; chiseled square-----	816.42
Cooksville, 2.8 mi. S. thence 1.5 mi. E. from, near NW. cor. sec. 31, T. 24 N., R. 5 E., 280 ft. E. of crossroads, at bridge over drain, on SE. end of SE. wing wall; chiseled square-----	808.43
Cooksville, 2.8 mi. S. thence 2.4 mi. E. from, near NE. cor. sec. 31, T. 24 N., R. 5 E., 30 ft. S. and 17 ft. W. from crossroads, on W. end of corrugated-iron culvert under N-S. rd.; chiseled square-----	803.08
Cooksville, 2.8 mi. S. thence 3.4 mi. E. from, 4.5 mi. S. thence 2.0 mi. W. from Colfax, near SE. cor. sec. 29, T. 24 N., R. 5 E., 25 ft. N. and 25 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 24 Mac 1923"-----	816.473

Reference mark, 310 ft. W. of crossroads, in root on N. side of 40-in. maple tree, easternmost of row of trees; copper nail and washer--	Feet 817. 91
Colfax, 4.5 mi. S. thence 1.0 mi. W. from, near NW. cor. sec. 34, T. 24 N., R. 5 E., 40 ft. S. and 70 ft. E. from crossroads, in NW. corner of schoolyard, in root on NW. side of 30-in. maple tree; copper nail and washer-----	817. 89
Colfax, 4.5 mi. S. of, near SW. cor. sec. 26, T. 24 N., R. 5 E., 20 ft. N. and 20 ft. E. from crossroads, on E. end of 12-in. iron culvert; chiseled square-----	797. 98
Colfax, 4.5 mi. S. thence 1.0 mi. E. from, near NW. cor. sec. 36, T. 24 N., R. 5 E., 30 ft. S. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 23 Mac 1923"-----	807. 966
Reference mark, 20 ft. S. of tablet, in root on E. side of 24-in. maple tree; copper nail and washer-----	807. 84
Colfax, 4.5 mi. S. thence 3.0 mi. E. from, near NE. cor. sec. 31, T. 24 N., R. 6 E., 15 ft. S. and 40 ft. W. from crossroads, on S. head wall of concrete culvert; chiseled square-----	819. 78
Colfax, 4.5 mi. S. thence 4.0 mi. E. from, 4.7 mi. S. of Anchor, near SE. cor. sec. 29, T. 24 N., R. 6 E., 25 ft. N. and 35 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 22 Mac 1923"-----	835. 702
Reference mark, in NE. angle of crossroads, on N. end of 10-in. iron culvert; chiseled square-----	833. 81
Anchor, 4.7 mi. S. thence 1.0 mi. E. from, 2.5 mi. N. and 7.5 mi. W. from Gibson City, near SE. cor. sec. 28, T. 24 N., R. 6 E., 50 ft. N. and 18 ft. W. from crossroads, on W. head wall of concrete culvert; chiseled square-----	823. 45

[Connects with line 1 in Strawn quadrangle]

2. From point about 1.5 miles west of Chenoa east along U. S. Highway 24 to Fairbury (by E. A. Mayer in 1934)¹⁵

[Connects with line 4 in Normal quadrangle]

Chenoa, 1.3 mi. W. of, 400 ft. E. of N $\frac{1}{4}$ cor. sec. 10, T. 26 N., R. 4 E., 35 ft. S. of highway, in concrete post; U. S. C. & G. S. and State Survey standard reference disk stamped "R M 7 7 1934"-----	725. 281
Chenoa, 0.9 mi. W. of, 27 ft. N. and 133 ft. E. from SW. cor. sec. 2, T. 26 N., R. 4 E., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 7 7 1934"-----	720. 864
Chenoa, 38 ft. NE. of intersection of Green and Cemetery Streets, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 7 8 1934" ¹⁶ -----	721. 301
Chenoa, in E. part of, 0.35 mi. E. of NW. cor. sec. 12, T. 26 N., R. 4 E., 23 ft. S. of highway, in concrete post; U. S. C. & G. S. and State Survey standard reference disk stamped "R M 7 8 1934"-----	710. 870
Chenoa, 0.9 mi. E. of, 187 ft. W. of SE. cor. sec. 1, T. 26 N., R. 4 E., 47 ft. N. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 7 9 1934"-----	700. 685
Chenoa, 1.5 mi. E. of, 0.21 mi. W. of N $\frac{1}{4}$ cor. sec. 7, T. 26 N., R. 5 E., 39 ft. S. of highway, in concrete post; U. S. C. & G. S. and State Survey standard reference disk stamped "R M 7 9 1934"-----	703. 635

¹⁵ Elevations of the bench marks in the portion of this line from Chenoa east 4.8 miles are subject to correction for a local error of approximately 2 feet.

¹⁶ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "Y 42 1934," elevation 717.889 ft.

Chenoa, 2.1 mi. E. of, near SE. cor. sec. 6, T. 26 N., R. 5 E., in NW. angle of crossroads, near SE. corner of schoolyard, in head wall of concrete culvert; monel-metal rivet-----	<i>Feet</i> 714. 20
Chenoa, 2.8 mi. E. of, 0.21 mi. E. of S¼ cor. sec. 5, T. 26 N., R. 5 E., 28 ft. N. of highway, in concrete post; U. S. C. & G. S. and State Survey standard reference disk stamped "R M 7 10 1934"-----	719. 680
Chenoa, 3.1 mi. E. of, near NE. cor. sec. 8, T. 26 N., R. 5 E., 110 ft. W. of crossroads, 29 ft. S. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 7 10 1934"-----	712. 347
Chenoa, 4.1 mi. E. of, near SE. cor. sec. 4, T. 26 N., R. 5 E., in NW. angle of crossroads, in W. head wall of concrete culvert under rd. N.; monel-metal rivet-----	694. 80
Chenoa, 4.8 mi. E. of, 0.5 mi. S. of Weston, 5.8 mi. W. of city park in Fairbury, 0.25 mi. W. of NE. cor. sec. 10, T. 26 N., R. 5 E., 28 ft. S. and 132 ft. W. from junction of T-rd. N., in concrete post; U. S. C. & G. S. and State Survey standard reference disk stamped "R M 7 11 1934" ¹⁷ -----	703. 185
Fairbury, 5.6 mi. W. of, near SE. cor. sec. 3, T. 26 N., R. 5 E., 28 ft. N. and 99 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 7 11 1934"-----	710. 527
Fairbury, 4.6 mi. W. of, near NE. cor. sec. 11, T. 26 N., R. 5 E., 25 ft. W. of crossroads, in S. head wall of concrete culvert; monel-metal rivet-----	702. 33
Fairbury, 3.9 mi. W. of, 0.21 mi. E. of S¼ cor. sec. 1, T. 26 N., R. 5 E., about 0.25 mi. W. of crossroads, 31 ft. N. of highway, in concrete post; U. S. C. & G. S. and State Survey standard reference disk stamped "R M 7 12 1934"-----	694. 922
Fairbury, 3.5 mi. W. of, near NW. cor. sec. 7, T. 26 N., R. 6 E., 33 ft. S. and 540 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 7 12 1934"-----	707. 895
Fairbury, 2.6 mi. W. of, near SW. cor. sec. 5, T. 26 N., R. 6 E., in NE. angle of crossroads, in E. head wall of concrete culvert under rd. N.; monel-metal rivet-----	700. 73
Fairbury, 2.1 mi. W. of, 9 ft. E. of N¼ cor. sec. 8, T. 26 N., R. 6 E., 29 ft. S. of highway, in concrete post; U. S. C. & G. S. and State Survey standard reference disk stamped "R M 7 13 1934"-----	696. 223
Fairbury, 1.6 mi. W. of, near SE. cor. sec. 5, T. 26 N., R. 6 E., 30 ft. N. and 133 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 7 13 1934"-----	696. 002
Fairbury, 1.2 mi. W. of, 304 ft. W. of N¼ cor. sec. 9, T. 26 N., R. 6 E., 27 ft. S. of highway, in concrete post; U. S. C. & G. S. and State Survey standard reference disk stamped "R M 7 14 1934"-----	696. 514
Fairbury, 154 ft. W. of W. city limits, near S. cor. secs. 3 and 4, T. 26 N., R. 6 E., 45 ft. N. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 7 14 1934"-----	689. 278
Fairbury, at intersection of Third and Oak Streets, 24 ft. E. of Third Street, 15 ft. N. of Oak Street, on curb; chiseled square-----	687. 56
Fairbury, in NW. angle of intersection of West Maple and North Second Streets, on curb; chiseled square-----	684. 25

¹⁷ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "U 42 1934," elevation 701.229 ft.

Fairbury, at city park, in SE. angle of intersection of Locust and Third Streets, 69 ft. E. of NE. corner of city building, 9 ft. S. of curb, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "12 1 1934" (recovered by U. S. C. & G. S. in 1935)--- Feet
687.098

3. From Fairbury along roads south 5 miles, thence east 0.4 mile (by E. A. Mayer in 1934)¹⁸

Fairbury, in NW. angle of intersection of Seventh and Oak Streets, on curb; chiseled square----- 685.00
 Fairbury, 0.4 mi. S. of, about 0.16 mi. N. of E $\frac{1}{4}$ cor. sec. 10, T. 26 N., R. 6 E., at bridge over Indian Creek, in SW. wing wall; monel-metal rivet----- 676.58
 Fairbury, 1.0 mi. S. of, near NW. cor. sec. 14, T. 26 N., R. 6 E., 162 ft. S. and 21 ft. E. from junction of T-rd. E., on concrete culvert under driveway to farmhouse; chiseled square----- 706.17
 Fairbury, 1.6 mi. S. of, 645 ft. S. of W $\frac{1}{4}$ cor. sec. 14, T. 26 N., R. 6 E., on E. side of rd., on S. head wall of small concrete culvert under driveway E.; chiseled square----- 704.77
 Fairbury, 2.0 mi. S. of, near SW. cor. sec. 14, T. 26 N., R. 6 E., 60 ft. N. and 30 ft. E. from crossroads, 25 ft. N. of hedge, in concrete post; standard tablet stamped "Prim Trav Sta No 80 Mac 1923"----- 716.978
 Fairbury, 2.6 mi. S. of, 569 ft. S. of W $\frac{1}{4}$ cor. sec. 23, T. 26 N., R. 6 E., on E. side of rd., on S. head wall of small culvert under driveway; chiseled square----- 725.42
 Fairbury, 3.3 mi. S. of, 0.18 mi. N. of W $\frac{1}{4}$ cor. sec. 26, T. 26 N., R. 6 E., about 0.3 mi. S. of crossroads, on E. side of rd., in S. head wall of concrete culvert; monel-metal rivet----- 720.92
 Fairbury, 4.0 mi. S. of, near NW. cor. sec. 35, T. 26 N., R. 6 E., 100 ft. S. and 30 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "12 2 1934"----- 741.493
 Fairbury, 4.3 mi. S. of, 0.23 mi. N. of W $\frac{1}{4}$ cor. sec. 35, T. 26 N., R. 6 E., on E. side of rd., on S. head wall of concrete culvert; chiseled square----- 729.24

[Continued in Strawn quadrangle, line 3]

4. From point 2 miles east of Lexington along roads east 3.2 miles, thence alternately north and west to Chenoa (by I. B. Pearce in 1934)

[Continued from Normal quadrangle, line 6]

Lexington, 2.2 mi. E. of, near W $\frac{1}{4}$ cor. sec. 10, T. 25 N., R. 4 E., 55 ft. SE. of crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 58 Mac 1923"----- 744.830
 Lexington, 3.2 mi. E. of, near W $\frac{1}{4}$ cor. sec. 11, T. 25 N., R. 4 E., 25 ft. S. and 25 ft. E. from crossroads, in root on N. side of large elm tree; nail----- 745.37
 Lexington, 4.2 mi. E. of, near W $\frac{1}{4}$ cor. sec. 12, T. 25 N., R. 4 E., 96 ft. N. and 19 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 12 1934"----- 737.593
 Lexington, 4.6 mi. E. of, 0.12 mi. W. of center of sec. 12, T. 25 N., R. 4 E., on W. end of N. head wall of concrete culvert; chiseled square-- 736.90

¹⁸ Elevations of the bench marks in this line are subject to correction for a local error of approximately 3 ft.

978 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Lexington, 5.2 mi. E. of, near W $\frac{1}{4}$ cor. sec. 7, T. 25 N., R. 5 E., 25 ft. S. and 40 ft. E. from junction of T-rd. E., 9 ft. E. of gate, in concrete post; standard tablet stamped "Prim Trav Sta No 75 Mac 1923"-----	<i>Feet.</i> 738.525
Lexington, 5.2 mi. E. thence 1.4 mi. N. from, 0.59 mi. S. of NW. cor. oversize sec. 6, T. 25 N., R. 5 E., 25 ft. E. of rd., in root on E. side of 24-in. maple tree; nail-----	754.16
Lexington, 5.0 mi. E. and 2.0 mi. N. from, 0.18 mi. W. of NE. cor. sec. 1, T. 25 N., R. 4 E., about 950 ft. W. of junction of E.-W. rd., 25 ft. S. of rd., in root on N. side of 36-in. maple tree; nail-----	762.56
Lexington, 4.2 mi. E. thence 2.0 mi. N. from, 5.0 mi. S. thence 0.6 mi. E. from Chenoa, near NW. cor. sec. 1, T. 25 N., R. 4 E., 98 ft. S. and 20 ft. E. from junction of T-rd. S., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 13 1934"-----	756.474
Chenoa, 5.0 mi. S. of, near SE. cor. sec. 35, T. 26 N., R. 4 E., 25 ft. N. and 15 ft. W. from junction of T-rd. N., in W. head wall of culvert; monel-metal rivet-----	752.29
Chenoa, 4.0 mi. S. of, near SE. cor. sec. 26, T. 26 N., R. 4 E., 40 ft. NW. of crossroads, 120 ft. SE. of schoolhouse, in concrete post; standard tablet stamped "Prim Trav Sta No 59 Mac 1923"-----	773.020
Chenoa, 3.0 mi. S. of, near NE. cor. sec. 26, T. 26 N., R. 4 E., 205 ft. S. and 15 ft. W. from crossroads, in W. head wall of small culvert; monel-metal rivet-----	748.57
Chenoa, 2.0 mi. S. of, near SE. cor. sec. 14, T. 26 N., R. 4 E., 38 ft. N. and 32 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 14 1934"-----	741.505
Chenoa, 1.0 mi. S. of, near NW. cor. sec. 13, T. 26 N., R. 4 E., 60 ft. S. and 30 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 60 Mac 1923"-----	723.400
Chenoa, 23 ft. NW. of intersection of Division and Cemetery Streets, on W. end of curb; chiseled square-----	714.88

5. From point about 1.7 miles north and 1.1 miles west from Cropsey along roads west 3.9 miles, thence north 0.5 mile, thence west to point 5.2 miles east of Lexington (by E. A. Mayer in 1934)

[Continued from Strawn quadrangle, line 3]

Cropsey, 1.7 mi. N. thence 1.5 mi. W. from, 36 ft. W. of S $\frac{1}{4}$ cor. sec. 10, T. 25 N., R. 6 E., on N. side of rd., on head wall of concrete culvert; chiseled square-----	759.16
Cropsey, 1.7 mi. N. thence 1.8 mi. W. from, 0.2 mi. E. of SW cor. sec. 10, T. 25 N., R. 6 E., on N. side of rd., on head wall of concrete culvert; chiseled square-----	757.95
Cropsey, 1.7 mi. N. thence 2.5 mi. W. from, 4.3 mi. N. and 0.5 mi. E. from Anchor, near N $\frac{1}{4}$ cor. sec. 16, T. 25 N., R. 6 E., 30 ft. SE. of crossroads, at residence of Frank Hall, 4 ft. E. of metal fence post, in concrete post; standard tablet stamped "Prim Trav Sta No 78 Mac 1923"-----	769.276
Anchor, 4.3 mi. N. and 0.5 mi. W. from, near S $\frac{1}{4}$ cor. sec. 8, T. 25 N., R. 6 E., 18 ft. N. and 100 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "12 5 1934"-----	769.923

Anchor, 4.3 mi. N. and 1.5 mi. W. from, near S $\frac{1}{4}$ cor. sec. 7, T. 25 N., R. 6 E., 17 ft. N. and 102 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "12 6 1934"-----	<i>Feet</i> 772. 634
Anchor, 4.8 mi. N. and 2.0 mi. W. from, 5.0 mi. N. thence 2.0 mi. E. from Colfax, near E $\frac{1}{4}$ cor. sec. 12, T. 25 N., R. 5 E., at McLean-Livingston county line, 20 ft. N. and 30 ft. W. from junction of T-rd. W., in concrete post; standard tablet stamped "Prim Trav Sta No 77 Mac 1923"-----	768. 760
Colfax, 5.0 mi. N. thence 1.0 mi. E. from, near E $\frac{1}{4}$ cor. sec. 11, T. 25 N., R. 5 E., 19 ft. N. and 68 ft. W. from junction of T-rd. S., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "12 7 1934"-----	778. 445
Colfax, 5.0 mi. N. thence 0.6 mi. E. from, 0.12 mi. E. of center of sec. 11, T. 25 N., R. 5 E., on N. side of rd., at S. side of fence gate, on sidewalk to church entrance; chiseled square-----	789. 88
Colfax, 5.0 mi. N. of, near E $\frac{1}{4}$ cor. sec. 10, T. 25 N., R. 5 E., 25 ft. N. and 20 ft. W. from crossroads, in SW. wing wall of concrete culvert under rd. N.; monel-metal rivet-----	795. 20
Colfax, 5.0 mi. N. thence 0.4 mi. W. from, 0.15 mi. E. of center of sec. 10, T. 25 N., R. 5 E., on S. side of rd., 200 ft. SE. of tile corncrib, on E. head wall of concrete culvert; chiseled square-----	774. 87
Colfax, 5.0 mi. N. thence 0.5 mi. W. from, 48 ft. W. of center of sec. 10, T. 25 N., R. 5 E., on S. side of rd., on head wall of concrete culvert; chiseled square-----	774. 97
Colfax, 5.0 mi. N. thence 1.0 mi. W. from, near E $\frac{1}{4}$ cor. sec. 9, T. 25 N., R. 5 E., 25 ft. N. and 40 ft. W. from crossroads, 15 ft. W. of fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 76 Mac 1923"-----	759. 903
Colfax, 5.0 mi. N. thence 1.5 mi. W. from, near center of sec. 9, T. 25 N., R. 5 E., on S. head wall of concrete culvert; chiseled square-----	750. 99
Colfax, 5.0 mi. N. thence 2.0 mi. W. from, 7.2 mi. E. of Lexington, near E $\frac{1}{4}$ cor. sec. 8, T. 25 N., R. 5 E., 29 ft. S. and 103 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "12 8 1934"-----	756. 088
Lexington, 6.2 mi. E. of, near W $\frac{1}{4}$ cor. sec. 8, T. 25 N., R. 5 E., 15 ft. N. and 10 ft. E. from crossroads, in E. head wall of concrete culvert under rd. N.; monel-metal rivet-----	742. 27

CISSNA PARK QUADRANGLE

[Latitude 40°30'–40°45'; longitude 87°45'–88°00']

IROQUOIS COUNTY

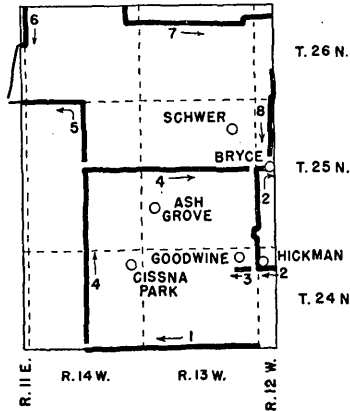


FIGURE 167.—Lines of leveling in Cissna Park quadrangle.

1. From point 2.3 miles north and 2 miles east from East Lynn north along range-line road to crossroads, thence west to point 2.5 miles north and 1 mile east from Clarence (by W. C. Elledge in 1931)

[Continued from Potomac quadrangle, line 4]

East Lynn, 2.5 mi. N. and 2.0 mi. E. from, 4.5 mi. S. of Hickman, near NW. cor. sec. 31, T. 24 N., R. 12 W., 27 ft. S. and 49 ft. E. from junction of T.-rd. E., 1 ft. N. of fence, in concrete post; standard tablet stamped "10 E 1931"	Feet 688.030
Reference mark, 21 ft. W. of tablet, in root on NE. side of 24-in. catalpa tree; copper nail and washer	688.26
T. 24 N., R. 13 W., near SE. cor. sec. 26, 30 ft. N. and 47 ft. W. from crossroads, in root on S. side of 10-in. hedge tree; copper nail and washer	689.70
T. 24 N., R. 13 W., near NE. cor. sec. 34, 30 ft. S. and 25 ft. W. from crossroads, in root on N. side of 30-in. maple tree; copper nail and washer	684.90
T. 24 N., R. 13 W., near NE. cor. sec. 33, 18 ft. S. and 36 ft. W. from crossroads, 2 ft. N. and 14 ft. W. from fence corner, in concrete post; standard tablet stamped "16 E 1931"	673.985
Reference mark, 210 ft. W. of tablet, on NW. wing wall of steel bridge; chiseled square	675.24
T. 24 N., R. 13 W., near SW. cor. sec. 28, 40 ft. N. and 200 ft. E. from crossroads, in root on S. side of 12-in. walnut tree, eastern-most of three trees; copper nail and washer	686.65

T. 24 N., R. 13 W., near SE. cor. sec. 30, 75 ft. N. and 60 ft. W. from crossroads, on S. end of first concrete step of entrance to schoolhouse; chiseled square-----	<i>Feet</i> 688. 16
T. 24 N., R. 13 W., near SW. cor. sec. 30, 36 ft. N. and 18 ft. E. from crossroads, 7 ft. N. of fence corner, 1 ft. W. of fence, in concrete post; standard tablet stamped "17 E 1931"-----	690. 270
T. 24 N., R. 14 W., near NE. cor. sec. 35, 15 ft. S. and 20 ft. W. from crossroads, on E. end of S. head wall of concrete culvert; chiseled square" ¹⁹ -----	698. 62
T. 24 N., R. 14 W., near NE. cor. sec. 34, 27 ft. S. and 15 ft. W. from junction of T-rd. S., on W. head wall of concrete culvert; chiseled square-----	702. 91
T. 24 N., R. 14 W., near NW. cor. sec. 34, 1.0 mi. E. of Parker Center School, 27 ft. S. and 30 ft. E. from crossroads, 1 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "18 E 1931"-----	708. 850

[Continued in Potomac quadrangle, line 5]

2. From point 0.5 mile south and 0.8 mile east from Hickman west 0.8 mile to crossroads, thence north along range-line road 5 miles, thence east to point 0.4 mile east of Bryce (by W. L. Uitti in 1934)

[Continued from Milford quadrangle, line 2]

Hickman, 0.5 mi. S. of, near NW. cor. sec. 7, T. 24 N., R. 12 W., 13 ft. S. and 620 ft. E. from crossroads, 100 ft. E. of gate at SE. entrance to Amity cemetery, at concrete culvert over Whisky Creek, on top of SW. wing wall; chiseled square-----	658. 22
Hickman, at crossing of Chicago & Eastern Illinois Ry.; top of N. rail -----	661. 3
Hickman, 0.5 mi. N. of, near SE. cor. sec. 36, T. 25 N., R. 13 W., 370 ft. N. of farmhouse, 21 ft. W. of rd., near fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 3 1934"-----	660. 832
Hickman, 1.0 mi. N. of, near W $\frac{1}{4}$ cor. sec. 31, T. 25 N., R. 12 W., 300 ft. S. and 20 ft. E. from junction of T-rd. W., 142 ft. N. of fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 4 1934"-----	660. 100
Hickman, 2.1 mi. N. of, near E $\frac{1}{4}$ cor. sec. 25, T. 25 N., R. 13 W., 950 ft. S. of right angle in rd., 210 ft. S. of junction of private rd. E., on W. side of rd., in root on SE. side of 20-in. oak tree; wire nail and two washers-----	657. 18
Hickman, 2.3 mi. N. of, near E $\frac{1}{4}$ cor. sec. 25, T. 25 N., R. 13 W., 160 ft. E. of right angle in rd., at concrete bridge over Mud Creek, 49 ft. E. of W. approach, in N. head wall; top of 1-in. steel reinforcing bar extending from wall and enclosed by chiseled square--	656. 78
Hickman, 2.5 mi. N. of, 0.25 mi. S. of NE. cor. sec. 25, T. 25 N., R. 13 W., 17 ft. W. of rd., 118 ft. N. of fence corner, 1 ft. E. of fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 5 1934"-----	658. 953

¹⁹ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "V 24 1935," elevation 696.839 ft.

Hickman, 2.8 mi. N. of, near SE. cor. sec. 24, T. 25 N., R. 13 W., 65 ft. N. and 22 ft. W. from crossroads, 13 ft. N. of fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 6 1934"-----	<i>Feet</i> 659. 658
Hickman, 3.4 mi. N. of, 0.6 mi. W. thence 1.5 mi. S. from Bryce, near E¼ cor. sec. 24, T. 25 N., R. 13 W., 315 ft. S. of crossing of C. & E. I. Ry., on top of W. head wall of small concrete culvert; chiseled square-----	662. 41
Bryce, 0.6 mi. W. of, near SW. cor. sec. 7, T. 25 N., R. 12 W., at offset crossroads, 16 ft. N. and 14 ft. E. from junction of rd. E., 12 ft. S. of fence corner, on top of N. head wall of concrete culvert; chiseled square-----	674. 09
Bryce, 0.4 mi. W. of, 0.16 mi. W. of N¼ cor. sec. 18, T. 25 N., R. 12 W., 950 ft. W. of crossing of C. & E. I. Ry., on S. side of rd., on top of east head wall of small concrete culvert; chiseled square-----	678. 71
Bryce, in SE. part of, near NW. cor. sec. 17, T. 25 N., R. 12 W., 163 ft. S. and 19 ft. E. from crossroads, 34 ft. S. of fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 7 1934"-----	679. 835
[Continued in Milford quadrangle, line 3]	
3. From crossroads 0.5 mile south of Hickman west along road to crossroads 0.5 mile south of Goodwine (by W. L. Uitti in 1934; spur line leveled twice)	
Hickman, 0.5 mi. S. and 0.5 mi. W. from, near S¼ cor. sec. 1, T. 24 N., R. 13 W., on N. side of rd., on top of E. head wall of culvert under private rd.; chiseled square-----	662. 13
Hickman, 0.5 mi. S. and 1.0 mi. W. from, 0.5 mi. S. of Goodwine, near NW. cor. sec. 12, T. 24 N., R. 13 W., 45 ft. S. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 117 Mac 1923"-----	663. 152
4. From crossroads 4.5 miles south and 2.5 miles west from Cissna Park north along road to crossroads 1.7 miles north and 3.7 miles west from Ash Grove, thence east to crossroads 0.6 mile west of Bryce (by Stephen Francescon in 1934; portion of line along north-south road leveled twice)	
Cissna Park, 3.7 mi. S. and 2.5 mi. W. of, 0.28 mi. S. of NE. cor. sec. 28, T. 24 N., R. 14 W., 480 ft. S. of concrete bridge, 27 ft. W. of rd., 5 ft. E. of hedge fence; standard iron post with bronze cap stamped "15 1 1934"-----	694. 210
Cissna Park, 3.5 mi. S. and 2.5 mi. W. from, near SW. cor. sec. 22, T. 24 N., R. 14 W., 110 ft. N. and 21 ft. E. from crossroads, 2 ft. W. of fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 2 1934"-----	693. 650
Cissna Park, 2.5 mi. S. and 2.5 mi. W. from, near NW. cor. sec. 22, T. 24 N., R. 14 W., 30 ft. S. and 15 ft. E. from crossroads, in E. head wall of concrete culvert; monel-metal rivet-----	690. 53
Cissna Park, 1.5 mi. S. and 2.5 mi. W. from, near SW. cor. sec. 10, T. 24 N., R. 14 W., 40 ft. N. and 20 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 119 Mac 1923"-----	681. 572
Cissna Park, 1.2 mi. S. and 2.5 mi. W. from, 0.3 mi. N. of SE. cor. sec. 9, T. 24 N., R. 14 W., 26 ft. W. of rd., 15 ft. S. of S. end of concrete bridge; standard iron post with bronze cap stamped "15 3 1934"---	674. 730

Cissna Park, 0.5 mi. S. and 2.5 mi. W. from, near SW. cor. sec. 3, T. 24 N., R. 14 W., 54 ft. N. and 25 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 4 1934"-----	<i>Feet</i> 674.107
Cissna Park, 0.2 mi. S. and 2.5 mi. W. from, 0.23 mi. N. of SE. cor. sec. 4, T. 24 N., R. 14 W., 400 ft. S. of culvert, 28 ft. W. of rd.; standard iron post with bronze cap stamped "15 5 1934"-----	669.828
Cissna Park, 1.2 mi. N. and 2.5 mi. W. from, 0.25 mi. S. of NW. cor. sec. 34, T. 25 N., R. 14 W., 30 ft. E. of rd., 1 ft. W. of fence; standard iron post with bronze cap stamped "15 6 1934"-----	664.630
Cissna Park, 1.5 mi. N. and 2.5 mi. W. from, near SE. cor. sec. 28, T. 25 N., R. 14 W., 45 ft. N. and 30 ft. W. from crossroads, 75 ft. E. of door of schoolhouse, 2.5 ft. E. of end of concrete walk, in concrete post; standard tablet stamped "Prim Trav Sta No 118 Mac 1923"-----	663.750
Cissna Park, 2.5 mi. N. and 2.5 mi. W. from, 0.2 mi. S. and 3.7 mi. W. from Ash Grove, near NW. cor. sec. 27, T. 25 N., R. 14 W., 115 ft. S. and 23 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 7 1934"-----	662.610
Ash Grove, 3.7 mi. W. of, 0.2 mi. S. of E $\frac{1}{4}$ cor. sec. 21, T. 25 N., R. 14 W., 28 ft. W. of rd.; standard iron post with bronze cap stamped "15 8 1934"-----	664.992
Ash Grove, 1.7 mi. N. and 3.7 mi. W. from, near SW. cor. sec. 10, T. 25 N., R. 14 W., 35 ft. N. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 114 Mac 1923"-----	666.320
Ash Grove, 1.7 mi. N. and 3.3 mi. W. from, 0.1 mi. W. of N $\frac{1}{4}$ cor. sec. 15, T. 25 N., R. 14 W., 155 ft. E. of fence along E. side of farmyard, 27 ft. S. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 9 1934"-----	662.266
Ash Grove, 1.7 mi. N. and 2.1 mi. E. from, near N $\frac{1}{4}$ cor. sec. 14, T. 25 N., R. 14 W., 300 ft. E. of culvert, 28 ft. S. of rd., 20 ft. E. of E. side of farmhouse, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 10 1934"-----	666.811
Ash Grove, 1.7 mi. N. and 1.8 mi. W. from, 0.18 mi. W. of SE. cor. sec. 11, T. 25 N., R. 14 W., 960 ft. W. of crossroads, 42 ft. W. of W. wall of St. John's Lutheran Church, 40 ft. N. of rd., in churchyard, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 11 1934"-----	668.462
Ash Grove, 1.7 mi. N. and 1.3 mi. W. from, 0.15 mi. W. of N $\frac{1}{4}$ cor. sec. 13, T. 25 N., R. 14 W., in top of S. head wall of concrete culvert; monel-metal rivet-----	666.69
Ash Grove, 1.7 mi. N. and 0.7 mi. W. from, near NW. cor. sec. 18, T. 25 N., R. 13 W., 72 ft. N. of entrance to church, 36 ft. S. and 54 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 115 Mac 1923" ²⁰ -----	672.336
Ash Grove, 1.7 mi. N. and 0.5 mi. W. from, 0.23 mi. W. of S $\frac{1}{4}$ cor. sec. 7, T. 25 N., R. 13 W., 65 ft. E. of concrete pipe culvert, 30 ft. N. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 12 1934"-----	672.640

²⁰ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "C 25 1935," elevation 673.283 ft.

Ash Grove, 1.7 mi. N. of, 0.25 mi. W. of NE. cor. sec. 18, T. 25 N., R. 13 W., 28 ft. S. and 150 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 13 1934"-----	<i>Feet</i> 681.630
Ash Grove, 1.7 mi. N. and 0.3 mi. E. from, 30 ft. N. and 270 ft. E. from SW. cor. sec. 8, T. 25 N., R. 13 W., 250 ft. E. of culvert under private driveway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 14 1934"-----	683.307
Ash Grove, 1.7 mi. N. and 0.9 mi. E. from, 0.18 mi. E. of N $\frac{1}{4}$ cor. sec. 17, T. 25 N., R. 13 W., in top of S. head wall of concrete culvert; monel-metal rivet-----	680.93
Ash Grove, 1.7 mi. N. and 1.5 mi. E. from, 0.22 mi. E. of NW. cor. sec. 16, T. 25 N., R. 13 W., in top of S. head wall of concrete culvert; monel-metal rivet-----	682.86
Ash Grove, 1.7 mi. N. and 2.1 mi. E. from, 3.8 mi. W. of Bryce, 0.25 mi. E. of S $\frac{1}{4}$ cor. sec. 9, T. 25 N., R. 13 W., 30 ft. N. of rd., 7 ft. W. of W. wall of two-story farmhouse, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 15 1934"-----	685.555
Bryce, 3.6 mi. W. of, near NW. cor. sec. 15, T. 25 N., R. 13 W., 25 ft. S. and 115 ft. E. from crossroads, 55 ft. NW. of pump in schoolyard, in concrete post; standard tablet stamped "Prim Trav Sta No 116 Mac 1923"-----	682.213
Bryce, 2.7 mi. W. of, near NE. cor. sec. 15, T. 25 N., R. 13 W., 770 ft. W. of crossroads, in top of S. head wall of concrete culvert; monel-metal rivet-----	674.22
Bryce, 2.0 mi. W. of, 0.1 mi. E. of S $\frac{1}{4}$ cor. sec. 11, T. 25 N., R. 13 W., 390 ft. E. of concrete culvert, 28 ft. N. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 16 1934"-----	677.104
Bryce, 1.6 mi. W. of, near NW. cor. sec. 13, T. 25 N., R. 13 W., 30 ft. S. and 66 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 17 1934"-----	675.220
5. From crossroads 1.7 miles north and 3.7 miles west from Ash Grove north along road 3.4 miles, thence west 3 miles to point 0.9 mile east of Del Rey (by Stephen Francescon in 1934)	
Ash Grove, 2.7 mi. N. and 3.7 mi. W. from, near NW. cor. sec. 10, T. 25 N., R. 14 W., 110 ft. S. and 26 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 18 1934"-----	665.942
Ash Grove, 2.9 mi. N. and 3.7 mi. W. from, 0.25 mi. N. of SE. cor. oversize sec. 4, T. 25 N., R. 14 W., 28 ft. W. of rd., 3 ft. N. of fence W., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 19 1934"-----	666.638
Ash Grove, 5.2 mi. N. and 3.7 mi. W. from, 4.0 mi. E. of Del Rey, 0.2 mi. E. of S $\frac{1}{4}$ cor. sec. 33, T. 26 N., R. 14 W., 25 ft. N. of junction of T-rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 113 Mac 1923"-----	664.408
Del Rey, 3.6 mi. E. of, 0.1 mi. E. of N $\frac{1}{4}$ cor. oversize sec. 4, T. 25 N., R. 14 W., 120 ft. W. of W. wall of schoolhouse standing on N. side of rd., 26 ft. S. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 20 1934"-----	676.404

Del Rey, 2.1 mi. E. of, near NW. cor. oversize sec. 5, T. 25 N., R. 14 W., 27 ft. S. and 35 ft. E. from junction of T-rd. S., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 21 1934"	<i>Feet</i> 665. 172
Del Rey, 1.5 mi. E. of, 0.25 mi. W. of S $\frac{1}{4}$ cor. sec. 31, T. 26 N., R. 14 W., 60 ft. W. of concrete culvert, 27 ft. N. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "15 22 1934"	666. 986
[Connects with line 4 in Buckley quadrangle]	
6. From point 1.2 miles south and 0.1 mile west from Gilman along U. S. Highway 45 south and west to point 0.7 mile northeast of Onarga (by A. J. Argraves in 1934)	
[Continued from Ashkum quadrangle, line 2]	
Onarga, 1.0 mi. N. and 0.5 mi. E. from, 2.0 mi. S. and 0.1 mi. W. from Gilman, near SW. cor. sec. 7, T. 26 N., R. 14 W., in NE. angle of crossroads, in top of N. end of concrete culvert 25-30.15; monel-metal rivet	655. 65
[Continued in Buckley quadrangle, line 7]	
7. From point 1.3 miles south and 2 miles west from Crescent City along roads south 0.6 mile, thence generally east to point 2 miles south and 0.6 mile west from Watseka (by E. H. Lewis in 1934)	
[Continued from Ashkum quadrangle, line 3]	
Crescent City, 2.0 mi. S. and 2.0 mi. W. from, 0.25 mi. W. of S $\frac{1}{4}$ cor. sec. 12, T. 26 N., R. 14 W., 18 ft. N. and 250 ft. E. from junction of T-rd. E., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 26 1934"	643. 490
Crescent City, 2.0 mi. S. and 1.7 mi. W. from, near N $\frac{1}{4}$ cor. sec. 13, T. 26 N., R. 14 W., on S. side of rd., at fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 25 1934"	643. 462
Crescent City, 2.0 mi. S. and 1.1 mi. W. from, 0.16 mi. E. of SW. cor. sec. 7, T. 26 N., R. 13 W., 55 ft. N. and 846 ft. E. from crossroads, in root of cottonwood tree; spike	649. 07
Crescent City, 2.0 mi. S. and 0.2 mi. W. of, near NE. cor. sec. 18, T. 26 N., R. 13 W., 22 ft. S. and 182 ft. W. from crossroads, at fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 24 1934" (recovered by U. S. C. & G. S. in 1935)	652. 548
Crescent City, 2.0 mi. S. and 0.2 mi. E. from, near N $\frac{1}{4}$ cor. sec. 17, T. 26 N., R. 13 W., 22 ft. S. of rd., at fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 23 1934"	656. 627
Crescent City, 2.0 mi. S. and 1.0 mi. E. from, 0.25 mi. E. of NW. cor. sec. 16, T. 26 N., R. 13 W., 40 ft. S. of rd., at fence line; iron pipe (not recovered in 1941)	655. 87
Crescent City, 2.0 mi. S. and 1.5 mi. E. from, 0.25 mi. E. of N $\frac{1}{4}$ cor. sec. 16, T. 26 N., R. 13 W., 20 ft. S. of rd., at fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 22 1934"	653. 328

²¹ In 1941 this bench mark was reported out of place and lying on ground nearby.

Crescent City, 2.0 mi. S. and 2.0 mi. E. from, 0.18 mi. E. of SW. cor. sec. 10, T. 26 N., R. 13 W., 955 ft. E. of crossroads, 19 ft. S. of rd., opposite farmhouse, at N. fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 21 1934"-----	<i>Fect</i> 661.090
Crescent City, 2.0 mi. S. and 3.5 mi. E. from, 0.2 mi. E. of N $\frac{1}{4}$ cor. sec. 14, T. 26 N., R. 13 W., 19 ft. S. of rd., at fence line; U. S. C. & G. S. and State Survey standard disk stamped "18 20 1934"-----	659.040
Crescent City, 2.0 mi. S. and 3.9 mi. E. from, near NW. cor. sec. 13, T. 26 N., R. 13 W., 25 ft. S. and 316 ft. E. from crossroads, at fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 19 1934"-----	654.703
Crescent City, 2.0 mi. S. and 4.5 mi. E. from, near center of SE $\frac{1}{4}$ sec. 12, T. 26 N., R. 13 W., 27 ft. S. of rd., in root of elm tree; spike-----	661.11
Crescent City, 2.0 mi. S. and 5.3 mi. E. from, 2.0 mi. S. and 0.9 mi. W. from Watseka, 0.25 mi. S. and 0.13 mi. E. from center of sec. 7, T. 26 N., R. 12 W., 20 ft. N. of rd., opposite and 40 ft. W. of NW. corner of barn lot, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 18 1934"-----	643.641
[Continued in Milford quadrangle, line 4]	
8. From point 1 mile west of Woodland along roads alternately south and west to Bryce (by E. H. Lewis in 1934)	
[Continued from Milford quadrangle, line 4]	
Woodland, 1.0 mi. W. of, 0.25 mi. W. of SE. cor. sec. 19, T. 26 N., R. 12 W., 30 ft. N. of junction of T-rd. S., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 13 1934"-----	652.823
[Jogs into Milford quadrangle, line 5]	
Woodland, 2.0 mi. S. and 1.3 mi. W. from, 3.7 mi. N. of Bryce, near NE. cor. oversize sec. 6, T. 25 N., R. 12 W., 72 ft. S. and 28 ft. W. from junction of rd. S., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 15 1934"-----	646.516
Bryce, 2.3 mi. N. of, near W $\frac{1}{4}$ cor. oversize sec. 5, T. 25 N., R. 12 W., 100 ft. S. and 33 ft. E. from junction of T-rd. E., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 16 1934"-----	655.432
Bryce, 2.0 mi. N. of, near E $\frac{1}{4}$ cor. oversize sec. 6, T. 25 N., R. 12 W., 110 ft. N. and 33 ft. W. from junction of T-rd. W., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 17 1934"-----	656.055
Bryce, 0.7 mi. N. of, 0.18 mi. N. of W $\frac{1}{4}$ cor. sec. 8, T. 25 N., R. 12 W., 325 ft. S. of crossing of C. & E. I. Ry., in E. head wall of concrete culvert; monel-metal rivet-----	676.34

DANVERS QUADRANGLE

[Latitude 40°30'–40°45'; longitude 89°00'–89°15']

McLEAN AND WOODFORD COUNTIES

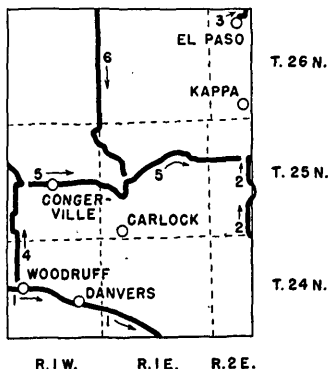


FIGURE 168.—Lines of leveling in Danvers quadrangle.

1. From point about 1 mile west of Woodruff southeast along Cleveland, Cincinnati, Chicago & St. Louis Railway to point 0.9 mile northwest of Twin Grove (by E. L. McNair in 1905; first-order leveling)

[Continued from Mackinaw quadrangle, line 1]

Woodruff, about 900 ft. W. of coaling sheds, in front of house of N. C. Osman, 30 ft. S. of center line of track, on right-of-way line, set 42 in. in ground; standard iron post with bronze cap designated "J" (recovered in 1925)	Feet 839.654
Danvers, about 120 ft. S. of sta., at W. end of concrete platform, in top of SW. corner; aluminum tablet designated "K"	808.722
Danvers, at sta.; top of rail	808.7
Danvers, 4.7 mi. SE. of, 1.2 mi. NW. of Twin Grove, at wagon pass 311-98 under R. R., about 6 ft. N. of center line of track, in coping of E. wall; aluminum tablet designated "L" (recovered in 1925)	754.401

[Continued in McLean quadrangle, line 1]

2. From point 2 miles south and 0.5 mile west from Hudson north along U. S. Highway 51 (State Highway 2) to point 3 miles south of Kappa, thence east along road 0.2 mile (by C. E. Walker in 1925; leveled twice)

[Continued from Normal quadrangle, line 1]

Hudson, 0.5 mi. W. thence 2.1 mi. S. from, about 500 ft. E. of SW. cor. sec. 33, T. 25 N., R. 2 E., at jog in rd., 37.5 ft. NE. of crossroads, near hedge fence, at fence corner, in concrete post; standard tablet stamped "1 WA 1925"	800.511
Reference mark, 21 ft. NE. of crossroads, on N. end of concrete culvert; chiseled square	798.36

Hudson, 0.5 mi. W. thence 1.0 mi. S. from, near NW. cor. sec. 33, T. 25 N., R. 2 E., 24 ft. SE. of junction of T-rd. W., on S. end of concrete culvert; chiseled square-----	<i>Feet</i> 756. 76
[Jogs into Normal quadrangle, line 2]	
Hudson, 0.5 mi. W. thence 1.1 mi. N. from, 4.0 mi. S. of Kappa, near NE. cor. sec. 20, T. 25 N., R. 2 E., on W. side of rd., 44.5 ft. S. of T-rd W., in fence line, in concrete post; standard tablet stamped "2 WA 1925"-----	748. 864
Reference mark, on W. side of rd., on S. end of concrete culvert; chiseled square-----	749. 54
Kappa, 3.0 mi. S. of, near SW. cor. sec. 9, T. 25 N., R. 2 E., 27.5 ft. NE. of crossroads, on N. end of concrete culvert; chiseled square--	758. 46
[Continued in Normal quadrangle, line 3]	
3. From El Paso north and east along streets and roads about 1.5 miles (by C. E. Walker in 1925)	
U. S. C. & G. S. standard disk stamped "P 7"-----	757. 640
El Paso triangulation sta. (U. S. C. & G. S.), 50 yd. N. of Illinois Central R. R. sta., 15 yd. N. of N. side of baggage room, 16 ft. W. of W. rail, at edge of brick platform, in concrete lamppost base; U. S. C. & G. S. standard triangulation-station disk stamped "748.007 El Paso 1920"-----	747. 987
El Paso, in NE. section of, about 500 ft. N. of intersection of East Fifth and North Adams Streets, on W. side of rd., on concrete culvert; chiseled square-----	729. 74
[Continued in Flanagan quadrangle, line 3] ²²	
4. From Woodruff generally north along roads to point 2.8 miles northwest of Congerville (by C. E. Walker in 1925)	
Woodruff, 0.4 mi. W. thence 1.6 mi. N. from, about 1,000 ft. N. of S¼ cor. sec. 5, T. 24 N., R. 1 W., at concrete bridge over Funks Branch, on NW. corner of wing wall; chiseled square-----	700. 75
Woodruff, 0.4 mi. W. thence 2.4 mi. N. from, about 4.5 mi. SE. of Goodfield, 2.0 mi. W. thence 3.5 mi. S. from Congerville, 20 ft. N. and 30 ft. W. from junction of T-rd. W. and probable quarter corner between secs. 5 and 32, Tps. 24 and 25 N., R. 1 W., 2 ft. S. and 30 ft. W. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 71 F 1925"-----	770. 240
Congerville, 2.0 mi. W. thence 2.4 mi. S. from, in NW¼ sec. 32, T. 25 N., R. 1 W., at bridge over Rock Creek, on top of SW. wing wall; chiseled square-----	646. 58
Congerville, 1.7 mi. W. of, 0.5 mi. SE. of Mackinaw Dells, 0.3 mi. E. of N¼ cor. sec. 20, T. 25 N., R. 1 W., at W. side of junction of State Highway 9, 40 ft. S. of center line of highway, 3 ft. S. of NE. fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 72 F 1925"-----	706. 443
Reference mark, about 300 ft. NW. of rd. junction, on SW. end of concrete culvert; chiseled square-----	693. 18
[Continued in Mackinaw quadrangle, line 3]	

²² This line crosses the southeast corner of Minonk quadrangle, but no bench marks were established along that portion of the line.

5. From point 1.7 miles west of Congerville generally east along State Highway 9 and other roads to crossroads 3 miles south of Kappa (by C. E. Walker in 1925)

Congerville, 0.4 mi. W. of, near NW. cor. sec. 22, T. 25 N., R. 1 W., 100 ft. E. of junction of rd. N., 13.4 ft. S. of intersection of New York, Chicago & St. Louis R. R. track, on SW. corner of concrete signal base; chiseled square-----	Feet 734. 15
Congerville, at E. edge of, 27 ft. NE. of junction of T-rd. N., on E. end of concrete culvert; chiseled square-----	744. 94
Congerville, 1.0 mi. E. of, near S $\frac{1}{4}$ cor. sec. 14, T. 25 N., R. 1 W., 30 ft. N. and 30 ft. W. from junction of T-rd. N., 2 ft. S. and 10 ft. W. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 76 F 1925"-----	734. 282
Reference mark, 26 ft. NE. of rd. junction, on E. end of concrete culvert; chiseled square-----	734. 74
Congerville, 2.0 mi. E. of, near N $\frac{1}{4}$ cor. sec. 24, T. 25 N., R. 1 W., 28 ft. SW. of crossroads, on top of W. head wall of concrete culvert; chiseled square-----	786. 60
Congerville, 3.7 mi. along State Highway 9 E. of, 2.0 mi. along State Highway 9 N. of Carlock, about 0.2 mi. S. of W $\frac{1}{4}$ cor. sec. 20, T. 25 N., R. 1 E., 35 ft. S. and 30 ft. E. from junction of rd. E., 2 ft. S. and 5 ft. E. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 77 F 1925"-----	819. 171
Reference mark, about 30 ft. SW. of rd. junction, on W. side of 24-in. oak tree; spike-----	820. 15
Carlock, 2.0 mi. N. along State Highway 9 thence 0.5 mi. E. from, about 0.25 mi. S. of center of sec. 20, T. 25 N., R. 1 E., in NE. corner of crossroads, on concrete culvert; chiseled square-----	853. 00
Carlock, 2.8 mi. along rd. N. of, in triangle formed by junction of rd. E., on W. side of 30-in. oak tree; copper nail and washer-----	821. 45
T. 25 N., R. 1 E., near SW. cor. sec. 10, 45 ft. N. and 20 ft. E. from junction of T-rd. E., 18 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 78 F 1925" ²³ -----	773. 126
Reference mark, 220 ft. E. of rd. junction, on N. side of rd., on N. end of concrete culvert; chiseled square-----	770. 83
T. 25 N., R. 1 E., near E. cor. secs. 12 and 13, 5 ft. N. and 25 ft. W. from junction of T-rd. E. and probable W. cor. secs. 7 and 18, T. 25 N., R. 2 E., 3.0 mi. S. thence 2.1 mi. W. from Kappa, 45 ft. S. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 79 F 1925"-----	732. 631
Kappa, 3.0 mi. S. thence 1.1 mi. W. from, 325 ft. W. of NE. cor. sec. 18, T. 25 N., R. 2 E., on S. side of rd., at entrance to farmhouse of A. N. Starkey, on concrete head wall of culvert; chiseled square--	711. 90

6. From point 0.5 mile north and 1.2 miles west from Secor south and southeast along roads to road junction 2.8 miles north of Carlock (by C. E. Walker in 1925)

[Connects with line 2 in Minonk quadrangle]

Secor, 1.2 mi. W. thence 0.5 mi. S. from, near SE. cor. sec. 1, T. 26 N., R. 1 W., 40 ft. NW. of intersection of State Highway 8, on concrete culvert; chiseled square-----	741. 06
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²³ In 1934 this bench mark was moved 5.5 ft. E. of this position and reset at the same elevation.

990 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Secor, 1.2 mi. W. thence 1.5 mi. S. from, near SW. cor. sec. 7, T. 26 N., R. 1 E., in NE. angle of offset crossroads, 7 ft. S. and 26 ft. E. from junction of T-rd. W., in fence line, in concrete post; standard tablet stamped "17 WA 1925"-----	<i>Feet</i> 745.173
T. 26 N., R. 1 E., near NW. cor. sec. 31, at offset crossroads, 37 ft. SE. of junction of T-rd. E., 2 ft. E. of fence corner, in concrete post; standard tablet stamped "18 WA 1925"-----	686.295
Reference mark, 32 ft. NW. of junction of T-rd. E., in root on W. side of 18-in. hickory tree; copper nail and washer-----	685.84
T. 25 N., R. 1 W., about 0.1 mi. W. of SE. cor. sec. 1, 50 ft. N. and 21.4 ft. W. from junction of T-rd. W., 7.5 ft. N. of fence corner, inside fence, in concrete post; standard tablet stamped "19 WA 1925"-----	696.986
T. 25 N., R. 1 E., near center of sec. 7, at ford across Mackinaw River, 380 ft. E. of E. bank, 56 ft. W. of junction of rd. N., on NE. corner of concrete bedding across small drain; chiseled square-----	638.84
T. 25 N., R. 1 E., about 0.15 mi. W. of N $\frac{1}{4}$ cor. sec. 17, 21 ft. E. of rd. junction, on N. end of concrete culvert; chiseled square-----	689.15

DANVILLE QUADRANGLE

[Latitude 40°00'–40°15'; longitude 87°30'–87°45']

VERMILION COUNTY

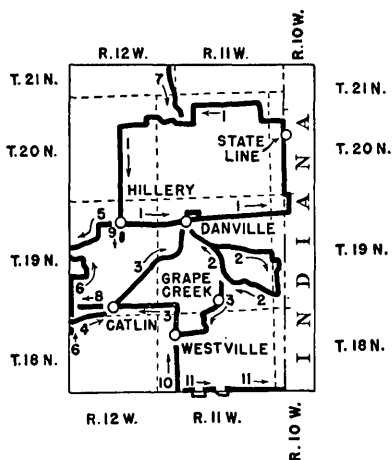


FIGURE 169.—Lines of leveling in Danville quadrangle.

1. From Danville east along roads to Illinois-Indiana State line, thence generally north to point 0.5 mile north of State Line, thence generally west to Snider, thence south and east to Danville (by John L. McCalman in 1897–98)

Danville, at old post office, in E. face of N. balustrade, 1.5 ft. above sidewalk; standard tablet stamped "Dnvl 603" ²⁴ -----	Feet 601.408
Danville, at intersection of Main and Harrison Streets, at post office, 23 ft. N. of S. side of building, 1.5 ft. above ground, in W. face of S. entrance; standard tablet stamped "T T 76 E 1929" (recovered by U. S. C. & G. S. in 1934)-----	601.843
State Line, at intersection of Illinois-Indiana State line and E.-W. street, 115 ft. S. of Wabash Ry.; standard iron post with bronze cap stamped "Dnvl 720" (recovered in 1931)-----	718.838
Newell, 1.0 mi. W. of, 3.5 mi. in air line E. of Snider, near N¼ cor. sec. 17, T. 20 N., R. 11 W., standard iron post with bronze cap stamped "Dnvl 655" (recovered in 1930)-----	654.095
Hillery (Hilliary), 1.2 mi. N. of, 4.0 mi. S. of Snider, about 15 ft. W. of SW. cor. sec. 35, T. 20 N., R. 12 W., standard iron post with bronze cap stamped "Dnvl 649" (recovered in 1930) ²⁵ -----	648.360

²⁴ This bench mark was destroyed in 1921, and was replaced by a standard tablet which was later stamped "T T 76 E 1929." See following description.

²⁵ In 1922 this bench mark was moved 100 ft. east of this position to a point 22 ft. north and 85 ft. east from crossroads, 3 ft. south and 55 ft. east from fence corner. It was reset at the same elevation. In 1936 it was moved N.60°W. from previous location to a point 100 ft. north and 30 ft. east from crossroads, and reset at an elevation 0.100 ft. higher than that originally determined. The figures given represent the new elevation.

2. From Danville along roads generally southeast and south to point on Perrysville road 0.4 mile northwest of Illinois-Indiana State line, thence northwest along Perrysville road to Danville (by John L. McCalman in 1897-98)	
Danville, at courthouse, on S. side of steps to W. entrance, in stone wall, in second course above sidewalk; standard tablet stamped "Dnvl 604" ²⁶ -----	Feet 602. 678
3. From point near bridge over Vermillion River 1 mile north of Grape Creek along roads alternately south and west to Westville, thence north and west to Catlin, thence northeast to Danville (by John L. McCalman in 1898)	
Westville, about 160 ft. N. of intersection of Main and State Streets; standard iron post with bronze cap stamped "Dnvl 672" ²⁷ -----	670. 723
Catlin, 1,080 ft. NE. of Wabash Ry. sta., 195 ft. N. of track, 30 ft. W. of rd., at "Champion's Corner"; standard iron post with bronze cap stamped "Dnvl 658" (recovered by first-order leveling in 1906 and designated "Q 4"; also recovered in 1930) ²⁸ -----	656. 816
4. From point 3 miles east of Fairmount Junction (Ryan) northeast along Wabash Railway to Catlin (by T. A. Green in 1906; first-order leveling)	
[Connects with line 1 in Fithian quadrangle]	
Fairmount Junction (Ryan), 3.3 mi. E. of, 2.3 mi. SW. of Catlin, 40 ft. directly N. of milepost St. L. 178-Tol. 258, 30 ft. N. of track; standard iron post with bronze cap stamped "1906 672" and designated "P 4"-----	671. 800
5. From point 1.2 miles north of Hillery alternately south and west along roads and southwest along State Highway 10 to point 0.5 mile south and 1.5 miles east from Oakwood (by G. W. Moore in 1929; releveled in 1930)	
Hillery, at entrance to Hillery School, 170 ft. N. and 90 ft. W. from crossroads, on S. end of second step of concrete steps; chiseled square-----	650. 89
Hillery, 1.0 mi. W. of, 0.15 mi. S. of NE. cor. sec. 9, T. 19 N., R. 12 W., 0.32 mi. E. of junction of T-rd. S., 125 ft. W. of iron bridge, in root on N. side of multiple elm tree; copper nail and washer----	628. 65
Hillery, 1.3 mi. W. thence 0.5 mi. S. from, in N. part of SE¼ sec. 9, T. 19 N., R. 12 W., 110 ft. SE. of rd. fork, 250 ft. NE. of N. side of stone arch overhead R. R. crossing, 15 ft. E. of rd., in root on W. side of 18-in. oak tree; copper nail and washer-----	584. 32
Hillery, 1.3 mi. W. thence 0.9 mi. S. from, in S. part of SE¼ sec. 9, T. 19 N., R. 12 W., at concrete bridge on State Highway 10, 15 ft. W. of rd. N. to coal mine, in curb at NE. corner of bridge, near nameplate; standard tablet stamped "12 M 1929"-----	586. 924
Hillery, 1.3 mi. W. thence 1.7 mi. SW. from, 0.2 mi. S. and 2.4 mi. E. from Oakwood, in NW¼ sec. 16, T. 19 N., R. 12 W., 90 ft. E. of N.-S. fence, 350 ft. W. of rd. N. to coal mine, 20 ft. S. of highway, on E. end of small drain culvert under rd. to yard; chiseled square--	642. 53
[Continued in Fithian quadrangle, line 2]	

²⁶ In 1936 this bench mark was reported destroyed.

²⁷ In 1935 this bench mark was replaced by U. S. C. & G. S. and State Survey standard disk stamped "671," described in line 10.

²⁸ In 1935 this bench mark was tied to U. S. C. & G. S. standard disk stamped "D 16 1934," elevation 662.505 ft.

6. From point 1.2 miles south and 2.6 miles west from Catlin along roads generally north to point 1 mile south and 1.5 miles east from Oakwood (by G. W. Moore in 1929)

[Continued from Fithian quadrangle, line 3]

Catlin, 2.5 mi. W. thence 1.3 mi. S. from, near center of SW $\frac{1}{4}$ sec. 5, T. 18 N., R. 12 W., 27 ft. S. and 55 ft. W. from junction of T-rd. N., 7 ft. S. and 75 ft. W. from fence corner, in root on NW. side of 12-in. Osage-orange tree; copper nail and washer-----	Feet 674. 17
Catlin, 2.5 mi. W. thence 0.7 mi. S. from, 0.13 mi. S. and 0.2 mi. E. from NW. cor. sec. 5, T. 18 N., R. 12 W., 475 ft. N of intersection of Wabash Ry, 20 ft. E. of rd., in root on SW. side of 24-in. elm tree; copper nail and washer ²⁹ -----	666. 16
Catlin, 2.5 mi. W. of, at Plainview School, 0.25 mi. W. of center of sec. 32, T. 19 N., R. 12 W., 245 ft. N. and 40 ft. E. from crossroads, 13 ft. S. and 21 ft. E. from fence corner, in NW. corner of schoolyard, in root on NW. side of 22-in. sycamore tree; copper nail and washer (recovered in 1930)-----	670. 20
Catlin, 2.5 mi. W. thence 0.7 mi. N. from, near center of SW $\frac{1}{4}$ sec. 29, T. 19 N., R. 12 W., 5 ft. W. of fence corner, on E. end of S. head wall of concrete culvert under private rd. E.; chiseled square-----	658. 17
Catlin, 2.5 mi. W. thence 1.5 mi. N. from, 0.25 mi. E. of SW. cor. sec. 20, T. 19 N., R. 12 W., 18 ft. N. and 3 ft. E. from junction of E.-W. rd., 2 ft. S. of fence, in concrete post; standard tablet stamped "T T Sta No 55 E 1929"-----	652. 659
Reference mark, 180 ft. S. and 45 ft. E. from rd. junction, 160 ft. S. and 25 ft. E. from fence corner, in root on E. side of 27-in. oak tree; copper nail and washer-----	653. 09
Catlin, 1.5 mi. N. and 1.5 mi. W. from, 0.25 mi. E. of NW. cor. sec. 28, T. 19 N., R. 12 W., 22 ft. S. and 30 ft. W. from crossroads, in NE. corner of schoolyard, on corner of concrete retaining wall; chiseled square -----	649. 43
Catlin, 2.5 mi. N. and 1.8 mi. W. from, near SW. cor. sec. 16, T. 19 N., R. 12 W., 25 ft. N. and 45 ft. E. from junction of T-rd. S., 15 ft. E. of T-rd. N., on N. edge of driveway E., in SW. corner of yard, in root on W. side of 30-inch oak tree; copper nail and washer-----	646. 82
Catlin, 2.5 mi. N. and 2.0 mi. W. from, 1.0 mi. S. and 2.0 mi. E. from Oakwood, at Tallman, mine operated by Truax Bros., 0.3 mi. W. of E. cor. secs. 17 and 20, T. 19 N., R. 12 W., 30 ft. W. of W. bank of Salt Fork of Vermilion River, 45 ft. S. of rd. to Vance Ford, 42 ft. N. of coal bins, 5 ft. E. of NE. edge of scale, in root on W. side of 12-in. inclined maple tree; copper nail and washer-----	545. 32

[Continued in Fithian quadrangle, line 4]

7. From point 1.2 miles south of Moores Corner south along Dixie Highway (State Highway 1) to crossroads 1 mile west of Newell (by G. W. Moore in 1930)

[Continued from Hoopeston quadrangle, line 1]

Moores Corner, 1.2 mi. S. of, about 0.2 mi. E. of center of sec. 25, T. 21 N., R. 12 W., in NW. angle of crossroads, on W. wing of N. head wall of L-shaped culvert; chiseled square-----	660. 74
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------

²⁹ In 1935 this bench mark was tied to U. S. C. & G. S. standard disk stamped "C 16 1934," elevation 667.358 ft.

Moores Corner, 2.2 mi. S. of, 1.0 mi. W. thence 2.3 mi. NW. from Newell, 0.13 mi. W. of E $\frac{1}{4}$ cor. sec. 36, T. 21 N., R. 12 W., in NE. angle of crossroads, on E. end of E. head wall of L-shaped culvert; chiseled square-----	Feet 655.84
Newell, 1.0 mi. W. thence 1.4 mi. NW. from, near probable quarter corner between fractional secs. 5 and 6, T. 20 N., R. 11 W., in NW. angle of junction of T-rd. W., on W. end of N. head wall of concrete culvert; chiseled square-----	667.35
Newell, 1.0 mi. W. thence 0.9 mi. NW. from, at steel bridge over North Fork of Vermilion River; top of S. abutment-----	598.7
8. From Catlin west along road 2.5 miles (by G. W. Moore in 1930)	
Catlin, near W. edge of, at Catlin High School, 40 ft. E. of T-rd. N., 30 ft. E. of T-fence S., in SW. corner of school grounds, on E. end of N. head wall of concrete culvert; chiseled square-----	647.82
Catlin, 1.3 mi. W. of, near center of sec. 33, T. 19 N., R. 12 W., in NW. angle of junction of T-rd. N., 305 ft. W. of T-fence S., on S. end of W. head wall of concrete culvert; chiseled square-----	662.31
Catlin, 1.7 mi. W. of, near W $\frac{1}{4}$ cor. sec. 33, T. 19 N., R. 12 W., 235 ft. E. of junction of T-rd. S., 245 ft. E. of T-fence N., on E. end of N. head wall of concrete culvert; chiseled square-----	664.82
9. From Hillery south along road 0.7 mile (by G. W. Moore in 1930; leveled twice)	
Hillery, 0.7 mi. S. of, 0.25 mi. N. of SW. cor. sec. 11, T. 19 N., R. 12 W., 33 ft. S. and 41 ft. E. from junction of E.-W. rd., in W. corner of churchyard, in concrete post; standard tablet stamped "T T 75 E 1929"-----	650.854
Reference mark, 60 ft. N. and 100 ft. E. from tablet, at red brick church, on NW. corner of second step; chiseled square-----	651.35
10. From point 1.5 miles north of Georgetown north along State Highway 1 to Westville (by S. R. Archer in 1935)	
[Continued from Ridge Farm quadrangle, line 3]	
Georgetown, 2.3 mi. N. of, 2.3 mi. S. of Westville, at Old Maple Grove School, 0.25 mi. S. of NW. cor. sec. 20, T. 18 N., R. 11 W., 65 ft. S. and 50 ft. E. from junction of T-rd. W., in SW. corner of school-yard, in root on S. side of 24-in. maple tree; copper nail and washer-----	672.06
Westville, 1.5 mi. S. of, near E $\frac{1}{4}$ cor. sec. 18, T. 18 N., R. 11 W., in SW. angle of crossroads, on W. head wall of concrete culvert under highway; chiseled square-----	676.16
Westville, at S. side of, 28 ft. N. of T-rd. W., on W. side of street N., opposite and 3 ft. N. of fire hydrant, on S. end of concrete curb; chiseled square-----	677.64
Westville, in NE. angle of intersection of State and Main Streets, on curb; chiseled square (Brock & Weymouth T. B. M. 4)-----	670.70
Westville, 510 ft. N. of intersection of Main and State Streets, on W. side of State Street, at foot of SE. corner of City Hall, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "671" ³⁰ -----	670.578

³⁰This tablet replaces the bench mark stamped "Dnvl 672," described in line 3.

11. From point 1.5 miles north and 3 miles east from Georgetown west along road to Illinois-Indiana State line (by S. R. Archer in 1936)²¹

Georgetown, 1.5 mi. N. thence 3.0 mi. E. from, 0.3 mi. W. of Meeks, near quarter corner between secs. 22 and 27, T. 18 N., R. 11 W., 25 ft. W. of junction of T-rd. E., on S. side of driveway, in fence corner, in concrete post; standard tablet stamped "T T 65 E 1929 682"	<i>Feet</i> 681.779
Meeks, just SW. of sta., at intersection of Chicago, Milwaukee, St. Paul & Pacific R. R.; top of W. rail of main track-----	679.0
Meeks, 0.7 mi. E. of, near S $\frac{1}{4}$ cor. sec. 23, T. 18 N., R. 11 W., 75 ft. N. and 35 ft. W. from crossroads, 28 ft. E. of NE. corner of church, in root on E. side of 36-in. maple tree; copper nail and washer-----	668.58
Meeks, 1.3 mi. E. of, near SW. cor. sec. 24, T. 18 N., R. 11 W., 440 ft. E. of junction of T-rd. S., on N. side of rd., in fence line, in root on SW. side of 30-in. walnut tree; copper nail and washer---	650.11
Meeks, 2.2 mi. E. of, near NE. cor. sec. 25, T. 18 N., R. 11 W., 15 ft. S. and 40 ft. W. from junction of T-rd. S., in root on NW. side of 12-in. walnut tree; copper nail and washer-----	650.68
Meeks, 2.6 mi. E. of, near S $\frac{1}{4}$ cor. sec. 19, T. 18 N., R. 10 W., 0.14 mi. W. of Illinois-Indiana State line, in NW. angle of junction of T-rd. N., in root on S. side of 40-in. oak tree; copper nail and washer-----	649.05
Meeks, 2.7 mi. E. of, near N $\frac{1}{4}$ cor. sec. 30, T. 18 N., R. 10 W., near Illinois-Indiana State line, 25 ft. S. and 20 ft. E. from junction of T-rd. S., in concrete post; standard tablet stamped "T T 66 E 1929 628" ²² -----	628.128

[Continued in Indiana]

²¹ This line runs along the north border of Ridge Farm quadrangle. The descriptions listed here are included in line 4 of that quadrangle.

²² This bench mark is in Indiana.

DECATUR QUADRANGLE

[Latitude 39°45'–40°00'; longitude 88°45'–89°00']

MACON AND MOULTRIE COUNTIES

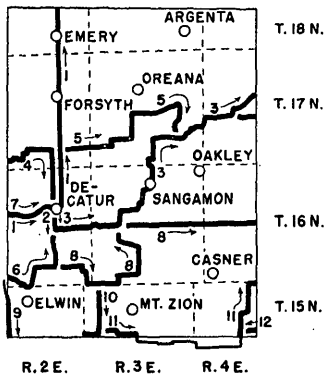


FIGURE 170.—Lines of leveling in Decatur quadrangle.

1. From point about 3 miles west of Decatur along road east to Decatur, thence north along Illinois Central Railroad to point 1.4 miles north of Emery (by P. E. Fletcher in 1908)

[Continued from Niantic quadrangle, line 1]

Decatur, 18 ft. N. and 35 ft. W. from intersection of North Main Street and west-bound track of Wabash Ry., 11 ft. W. of watchman's shack, in bridge abutment; standard tablet stamped "T T Sta No 16 F 1929" ³³	Feet 682. 272
Decatur, 2.6 mi. N. of, 3.8 mi. S. of Forsyth, near S¼ cor. sec. 35, T. 17 N., R. 2 E., 20 ft. N. of section line, 30 ft. W. of track, in concrete post; aluminum tablet	680. 633
Forsyth, 1 ft. S. and 25 ft. E. from sta., 3.3 mi. S. of Emery, in concrete post; aluminum tablet (recovered by U. S. C. & G. S. in 1920 and designated "R M Forsyth")	678. 512
Emery, 100 ft. N. of sta., 30 ft. E. of main track, in concrete post; aluminum tablet (recovered by U. S. C. & G. S. in 1920 and designated "W 7")	688. 512

[Continued in Maroa quadrangle, line 1]

2. From intersection of North Main Street and Wabash Railway in Decatur south 1.5 miles along streets (by W. H. Rayner in 1922; spur line leveled twice)

Pit triangulation sta. (U. S. C. & G. S.), 325 ft. N. of Illinois Central R. R. sta. in Decatur, 250 ft. N. of Wabash Ry. crossing, W. of roundhouse, 8 ft. E. of track, in concrete post; U. S. C. & G. S. standard triangulation-station disk designated "Pit"	671. 114
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³³ In 1920 this bench mark was recovered by the U. S. C. & G. S. and designated "X 7"; in 1933 it was moved 3 ft. south and 10 ft. east to the location described above, and reset at an elevation 0.117 ft. higher than that originally determined. The figures given represent the new elevation.

Decatur triangulation sta. (U. S. C. & G. S.), 600 ft. S. of Illinois Central R. R. sta. in Decatur, 100 ft. S. of milepost 752, 100 ft. N. of N Street, 5 ft. E. of track, in concrete post; U. S. C. & G. S. standard triangulation-station disk designated "Decatur"-----	Feet 670. 458
Decatur triangulation sta. reference mark (U. S. C. & G. S.), 800 ft. S. of I. C. R. R. sta., 200 ft. S. of milepost 752, in curb of N Street; U. S. C. & G. S. standard reference disk designated "R. M. Decatur"-----	670. 196
Decatur, 1.5 mi. S. of Illinois Central R. R. sta., at N. end of Decatur impounding dam, at NW. corner of headgate; standard tablet stamped "T T Sta No 28 F 1929"-----	622. 886
Decatur, at pumping sta., on W. end of S. doorsill; chiseled square (City B. M.)-----	606. 84
3. From Decatur alternately east and north along roads to point 3.5 miles south and 3.8 miles east from Argenta (by H. S. Senseney in 1928)	
Decatur, at NW. corner of intersection of Jasper and Cantrell Streets, near fire hydrant, on curb; chiseled square-----	680. 54
Decatur, at Nelson Park, on E. side of entrance to bathing beach, on S. side of rd., on W. end of concrete culvert; chiseled square-----	614. 98
Decatur, 1,100 ft. SE. of SE. end of Nelson Park bridge over Lake Decatur, on S. side of rd., on culvert; chiseled square-----	633. 76
Decatur, 1.0 mi. S. thence 3.3 mi. E. from intersection of North Main Street and Wabash Ry., 0.25 mi. E. of NW. cor. sec. 20, T. 16 N., R. 3 E., 20 ft. E. of junction of T-rd. N., on S. side of rd., in root of tree; copper nail and washer-----	654. 98
Decatur, 1.0 mi. S. thence 3.5 mi. E. from, 3.8 mi. SW. of Sangamon, near S $\frac{1}{4}$ cor. sec. 17, T. 16 N., R. 3 E., 25 ft. N. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "27 S 1928" (recovered in 1929)-----	633. 417
Sangamon, 3.1 mi. SW. of, about 0.25 mi. N. of center of sec. 17, T. 16 N., R. 3 E., on E. side of bend in rd., on concrete culvert; chiseled square-----	621. 26
Sangamon, 2.1 mi. SW. of, 0.25 mi. N. of center of sec. 16, T. 16 N., R. 3 E., at junction of N-S. rd., on E. side of rd., in root of tree; copper nail and washer-----	680. 01
Sangamon, 1.4 mi. SW. of, about 300 ft. N. and 0.25 mi. W. from SE. cor. sec. 9, T. 16 N., R. 3 E., on State Highway 10, in NE. corner of junction of rd. N., on concrete culvert; chiseled square-----	678. 29
Sangamon, 0.4 mi. SW. of, near NW. cor. sec. 10, T. 16 N., R. 3 E., on N. side of rd., 15 ft. E. of lane, in root of tree; copper nail and washer-----	693. 65
Sangamon, 34 ft. E. of R. R. crossing, 12.5 ft. S. of tracks, in concrete post; standard tablet stamped "28 S 1928"-----	683. 599
Sangamon, 0.7 mi. N. of, 0.25 mi. E. of NW. cor. sec. 3, T. 16 N., R. 3 E., in SW. angle of junction of E-W. rd., in root of tree; copper nail and washer-----	663. 15
Sangamon, 1.4 mi. NW. of, 0.25 mi. N. of SE. cor. sec. 33, T. 17 N., R. 3 E., at Rea Bridge over Sangamon River, in W. end of S. abutment; copper bolt (Decatur Sanitary Dist. B. M.)-----	616. 51
Sangamon River; surface of water Sept. 1, 1928-----	610. 0
Sangamon, 3.0 mi. N. of, 0.25 mi. W. of center of sec. 27, T. 17 N., R. 3 E., at turn from N. to E. in main rd. and junction of private rds. N. and W., on N. side of rd., in concrete post; standard tablet stamped "29 S 1928" (recovered in 1929)-----	673. 128

998 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Reference mark, 60 ft. S. of tablet, on W. side of rd., in root of tree; copper nail and washer-----	<i>Feet</i> 676. 69
Sangamon, 3.0 mi. N. thence 0.8 mi. E. from, 2.0 mi. S. thence 0.5 mi. W. from Kirby School, 2.3 mi. N. and 1.9 mi. W. from Oakley, near W¼ cor. sec. 26, T. 17 N., R. 3 E., in SE. angle of crossroads, in root of tree; copper nail and washer (recovered in 1929)-----	687. 43
Oakley, 2.3 mi. N. and 0.1 mi. E. from, 5.0 mi. S. and 1.0 mi. E. from Argenta, near NW. cor. sec. 30, T. 17 N., R. 4 E., 25 ft. S. and 20 ft. E. from crossroads, in concrete post; standard tablet stamped "30 S 1928"-----	643. 390
Reference mark, 70 ft. S. of tablet, on W. end of concrete culvert; chiseled square-----	644. 22
Argenta, 4.5 mi. S. and 1.0 mi. E. from, near W¼ cor. sec. 19, T. 17 N., R. 4 E., in SE. angle of junction of T-rd. E., in root of tree; copper nail and washer-----	666. 53
Argenta, 4.5 mi. S. and 2.0 mi. E. from, near W¼ cor. sec. 20, T. 17 N., R. 4 E., 60 ft. N. of junction of T-rd. N., on E. side of rd., in root of tree; copper nail and washer-----	674. 73
Argenta, 4.0 mi. S. and 3.0 mi. E. from, 170 ft. N. of S. cor. secs. 16 and 17, T. 17 N., R. 4 E., on S. side of rd., 15 ft. W. of gate, in concrete post; standard tablet stamped "31 S 1928" (recovered in 1929)---	687. 685
Reference mark, 50 ft. W. of tablet, on S. end of culvert; chiseled square-----	687. 19

[Continued in Bement quadrangle, line 1]

4. From point 2.5 miles north and 2.5 miles west from Decatur generally east along roads to State Highway 2, thence south to Decatur (by E. W. Gouchenour in 1929)

[Continued from Niantic quadrangle, line 2]

Decatur, 2.5 mi. N. and 2.0 mi. W. from intersection of North Main Street and Wabash Ry., at Boiling Springs School, near W¼ cor. sec. 33, T. 17 N., R. 2 E., 35 ft. N. and 25 ft. E. from junction of T-rd. E., in concrete post; standard tablet stamped "T T Sta No 6 F 1929"-----	666. 833
Reference mark, 18 ft. S. of tablet, on N. end of concrete culvert; chiseled square-----	667. 33
Decatur, 3.0 mi. N. thence 1.5 mi. W. from, near S¼ cor. sec. 28, T. 17 N., R. 2 E., 10 ft. N. and 230 ft. E. from junction of T-rd. E., on N. end of concrete culvert; chiseled square-----	670. 98
Decatur, 3.0 mi. N. thence 1.0 mi. W. from, 245 ft. E. of W. cor. secs. 27 and 34, T. 17 N., R. 2 E., at steel girder bridge over Stephens Creek, on SW. wing of concrete abutment; chiseled square-----	630. 55
Decatur, 3.0 mi. N. thence 0.5 mi. W. from, near N¼ cor. sec. 34, T. 17 N., R. 2 E., 15 ft. S. and 25 ft. E. from crossroads, on S. end of concrete culvert; chiseled square-----	671. 09
Decatur, 3.0 mi. N. of, near SW. cor. sec. 26, T. 17 N., R. 2 E., 22 ft. N. and 50 ft. E. from intersection of State Highway 2 (U. S. Highway 51), in concrete post; standard tablet stamped "T T Sta No 5 F 1929"-----	663. 192
Reference mark, 15 ft. S. and 27 ft. W. from crossroads, on S. end of concrete culvert; chiseled square-----	665. 26
Decatur, 2.0 mi. N. of, near NE. cor. sec. 3, T. 16 N., R. 2 E., 25 ft. S. and 25 ft. W. from crossroads, on S. end of concrete culvert; chiseled square-----	666. 22

Decatur, 25 ft. N. and 21 ft. E. from intersection of North Water and Garfield Streets, 1 block N. of Illinois Central R. R. crossing, at 2000 North Water Street, on curb of pavement; chiseled square.

Fcct
676.12

5. From crossroads 3 miles north of Decatur along roads alternately east and north to Kirby School, thence south and west to point 3 miles north of Sangamon (by E. W. Gouchenour in 1929)

Decatur, 3.0 mi. N. along State Highway 2 thence 1.2 mi. E. from, 645 ft. E. of SW. cor. sec. 25, T. 17 N., R. 2 E., 645 ft. E. of junction of rd. S., 20 ft. N. of center line of rd., in right-of-way, in root on SW. side of large wild-cherry tree; copper nail and washer-----

660.31

Decatur, 3.0 mi. N. thence 2.0 mi. E. from, near SE. cor. sec. 25, T. 17 N., R. 2 E., at offset crossroads, 7 ft. N. and 30 ft. W. from junction of T-rd. E., in concrete post; standard tablet stamped "T T Sta No 4 F 1929"-----

654.808

Reference mark, 27 ft. N. and 16 ft. W. from junction of T-rd. W., on banister of concrete bridge; chiseled square-----

659.77

Decatur, 3.0 mi. N. thence 3.0 mi. E. from, near SE. cor. sec. 30, T. 17 N., R. 3 E., 27 ft. N. and 165 ft. W. from crossroads, at residence of Fred Good, in SW. corner of yard, in root of SE. side of maple tree; copper nail and washer-----

683.17

Decatur, 3.5 mi. N. and 4.0 mi. E. from, 0.7 mi. W. and 2.5 mi. S. from Oreana, near E $\frac{1}{4}$ cor. sec. 29, T. 17 N., R. 3 E., 27 ft. S. and 45 ft. W. from junction of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 3 F 1929"-----

679.94

Oreana, 0.4 mi. W. thence 2.5 mi. S. from, 1.3 mi. S. of White School, 0.25 mi. E. of W $\frac{1}{4}$ cor. sec. 28, T. 17 N., R. 3 E., 30 ft. N. and 35 feet E. from junction of T-rd. N., in root on W. side of black-oak tree; copper nail and washer-----

645.05

Oreana, 0.4 mi. W. thence 1.2 mi. S. from, at White School, near center of NW $\frac{1}{4}$ sec. 21, T. 17 N., R. 3 E., 30 ft. N. and 25 ft. W. from junction of T-rd. E., 75 ft. N. of schoolhouse, in concrete post; standard tablet stamped "T T Sta No 2 F 1929"-----

681.545

Reference mark, 57 ft. S. and 18 ft. W. from rd. junction, on lower step of sidewalk to schoolhouse; chiseled square-----

680.95

Oreana, 1.2 mi. S. and 0.6 mi. E. from, near center of NW $\frac{1}{4}$ sec. 22, T. 17 N., R. 3 E., 0.25 mi. E. of crossroads, on S. end of concrete culvert; chiseled square-----

669.27

Oreana, 0.8 mi. S. and 1.8 mi. E. from, about 0.5 mi. SW. of Kirby School, about 1,800 ft. NE. of SW. cor. sec. 14, T. 17 N., R. 3 E., on N. end of W. abutment of steel-girder bridge; chiseled square---

638.98

Oreana, 0.7 mi. S. and 2.2 mi. E. from, at Kirby School, in SE $\frac{1}{4}$ sec. 14, T. 17 N., R. 3 E., 60 ft. S. and 170 ft. W. from junction of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 1 F 1929"-----

651.881

Reference mark, on NE. corner of well platform of schoolhouse; chiseled square-----

652.23

Kirby School, 1.2 mi. S. of, in SE $\frac{1}{4}$ sec. 23, at bridge over Sangamon River, in W. end of southernmost pier, in limestone; metal rivet-----

621.70

1000SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

6. From point 1.2 miles north and 1 mile west from Elwin along roads east and north to Decatur (by E. W. Gouchenour in 1929; leveled twice from Elwin triangulation station)

[Continued from Niantic quadrangle, line 3]

Elwin, 1.0 mi. N. of, about 0.2 mi. N. of S $\frac{1}{4}$ cor. sec. 33, T. 16 N., R. 2 E., 10 ft. S. and 330 ft. W. from junction of N.-S. rd., on S. end of concrete culvert; chiseled square-----	Feet 682.09
Elwin triangulation sta. (U. S. C. & G. S.), 1.2 mi. N. of Elwin along Illinois Central R. R., about 0.7 mi. S. of rd. crossing, on W. side of track, on bank of deep cut, 23.23 ft. W. of W. rail, in concrete; U. S. C. & G. S. standard triangulation-station disk designated "Elvin"-----	706.691
Elvin triangulation sta. reference mark (U. S. C. & G. S.), 35.65 ft. from sta. in azimuth 43°05', on W. side of track, near fence line, in concrete; U. S. C. & G. S. standard reference disk designated "R M Elvin"-----	707.307
Elwin, 1.8 mi. N. thence 1.5 mi. E. from, 3.3 mi. S. of intersection of North Main Street and Wabash Ry. at Decatur, near SE. cor. sec. 27, T. 16 N., R. 2 E., 15 ft. N. and 85 ft. W. from rd. junction, in root on SE. side of water-oak tree; copper nail and washer----	690.45
Decatur, 2.5 mi. S. of, about 0.25 mi. S. of N. cor. secs. 26 and 27, T. 16 N., R. 2 E., 160 ft. N. and 15 ft. W. from junction of rd. E. to Moose Country Club, about 200 ft. N. of junction of road W., on W. end of concrete culvert; chiseled square-----	691.89
Decatur, at S. edge of, on State Highway 2, 40 ft. N. of S. end of bridge over Sangamon River, on E. side of bridge, on sidewalk; chiseled square (recovered by U. S. C. & G. S. in 1938)-----	631.902
Decatur, 170 ft. S. of intersection of South Franklin and East Cleveland Streets, in front of residence at 1034 South Franklin Street, on curb; chiseled square-----	660.44
Decatur, at viaduct where State Highway 2 passes under Illinois Central R. R., on N. end of base of center pier; chiseled square (recovered by U. S. C. & G. S. in 1938)-----	636.127
Decatur, 20 ft. S. and 45 ft. W. from intersection of South Main and West Wood Streets, on curb of pavement; chiseled square----	676.66
Decatur, 27 ft. S. and 27 ft. W. from intersection of West Main and South Church Streets, on concrete curb of pavement; chiseled square-----	665.36

7. East along State Highway 10 and West Main Street in Decatur about 2.5 miles (by E. W. Gouchenour in 1929)

[Continued from Niantic quadrangle, line 4]

Decatur, 20 ft. S. and 45 ft. W. from intersection of West Main and South McClellan Streets, on S. curb of pavement; chiseled square--	669.36
Decatur, 20 ft. S. and 55 ft. W. from intersection of West Main and South Haworth Streets, on concrete curb; chiseled square-----	669.33

8. From road junction 3.3 miles south of Decatur along roads generally east and north to crossroads 3.8 miles southwest of Sangamon, thence east to point 2.5 miles north and 2.2 miles east from Casner (by E. W. Gouchenour in 1929)

Decatur, 3.1 mi. S. thence 1.0 mi. E. from, near NW. cor. sec. 36, T. 16 N., R. 2 E., 30 ft. S. and 75 ft. E. from junction of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 13 F 1929"-----	636.265
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Decatur, 3.1 mi. S. thence 1.3 mi. E. from, 0.25 mi. E. of SW. cor. sec. 25, T. 16 N., R. 2 E., 15 ft. N. and 17 ft. W. from junction of T-rd. N., on W. end of concrete culvert; chiseled square-----	Feet 654.16
Decatur, 3.3 mi. S. thence 2.1 mi. SE. from, near center of NE $\frac{1}{4}$ sec. 36, T. 16 N., R. 2 E., 25 ft. E. of junction of N.-S. rd., in line with center line of rd. W., 4 ft. inside fence, in root on W. side of walnut tree; copper nail and washer-----	657.98
Decatur, 3.3 mi. S. thence 3.3 mi. SE. from, near N. cor. secs. 5 and 6, T. 15 N., R. 3 E., 220 ft. S. of junction of T-rd. S., on N. end of W. guard rail of concrete bridge; chiseled square-----	644.03
Decatur, 3.3 mi. S. thence 4.4 mi. SE. from, near N. cor. secs. 4 and 5, T. 15 N., R. 3 E., 25 ft. S. of junction of T-rd. N., in concrete post; standard tablet stamped "T T Sta No 14 F 1929"-----	668.749
Reference mark, 140 ft. N. and 20 ft. E. from tablet, in root on W. side of second hickory tree from corner; copper nail and washer----	669.42
Decatur, 2.1 mi. S. and 4.5 mi. E. from, 540 ft. S. of N $\frac{1}{4}$ cor. sec. 28, T. 16 N., R. 3 E., 25 ft. S. of center line of U. S. Highway 36, on E. end of concrete culvert; chiseled square-----	667.58
Decatur, 1.9 mi. S. and 4.0 E. from, at Antioch, 400 ft. N. and 22 ft. E. from SW. cor. sec. 21, T. 16 N., R. 3 E., 40 ft. N. and 22 ft. E. from junction of U. S. Highway 36 and State Highway 121, in concrete post; standard tablet stamped "T T Sta No 15 F 1929"--	673.134
Reference mark, 36 ft. W. of tablet, on W. end of concrete culvert; chiseled square-----	674.24
Decatur, 1.8 mi. S. and 3.5 mi. E. from, 4.6 mi. SW. of Sangamon, 0.25 mi. N. of S $\frac{1}{4}$ cor. sec. 20, T. 16 N., R. 3 E., 20 ft. S. and 15 ft. E. from intersection of N.-S. rd., on E. end of concrete culvert; chiseled square-----	672.66
Sangamon, 2.1 mi. S. and 1.8 mi. W. from, near NE. cor. sec. 20, T. 16 N., R. 3 E., 15 ft. S. and 390 ft. W. from crossroads, in root on N. side of red-oak tree; copper nail and washer-----	674.01
Sangamon, 2.1 mi. S. of, 2.8 mi. S. thence 2.8 mi. W. from Oakley, 0.25 mi. E. of NW. cor. sec. 22, T. 16 N., R. 3 E., 25 ft. S. and 50 ft. E. from crossroads, in root on N. side of wild-cherry tree; copper nail and washer-----	674.95
Oakley, 2.8 mi. S. thence 2.0 mi. W. from, near SW. cor. sec. 14, T. 16 N., R. 3 E., 15 ft. N. and 15 ft. E. from crossroads, on N. end of concrete culvert; chiseled square-----	675.04
Oakley, 2.8 mi. S. thence 1.0 mi. W. from, at Bois d'Arc School, near NE. cor. sec. 23, T. 16 N., R. 3 E., 40 ft. S. and 160 ft. W. from crossroads, in schoolyard, in root on W. side of apple tree; copper nail and washer-----	677.32
Oakley, 2.8 mi. S. of, 2.5 mi. N. and 0.5 mi. W. from Casner, near SE. cor. sec. 13, T. 16 N., R. 3 E., at jog in E.-W. rd. 33 ft. N. and 55 ft. W. from junction of T-rd. W., in root on S. side of second walnut tree W. from corner; copper nail and washer-----	677.02
Casner, 2.5 mi. N. of, near quarter corner between secs. 18 and 19, T. 16 N., R. 4 E., at jog in E.-W. rd. 170 ft. N. and 15 ft. W. from junction of T-rd. W., near hedge tree, on large boulder; chiseled square-----	708.62
Casner, 2.5 mi. N. and 0.8 mi. E. from, 0.25 mi. E. of NW. cor. sec. 20, T. 16 N., R. 4 E., 15 ft. S. and 20 ft. E. from junction of T-rd. N.; top of E. end of steel culvert-----	723.61

[Connects with line 3 in Bement quadrangle]

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9. From point 1.2 miles north and 1 mile west from Elwin south along road 3.2 miles (by E. W. Gouchenour in 1929)

[Connects with line 3 in Niantic quadrangle]

Elwin, 1.0 mi. W. of, near E $\frac{1}{4}$ cor. sec. 5, T. 15 N., R. 2 E., 75 ft. N. and 30 ft. W. from crossroads, in root on E. side of 24-in. maple tree; copper nail and washer-----	Feet 708. 67
Elwin, 1.0 mi. W. thence 0.7 mi. S. from, about 800 ft. S. of N. cor. secs. 8 and 9, T. 15 N., R. 2 E., on concrete abutment of steel-girder bridge; chiseled square-----	702. 63
Elwin, 1.0 mi. W. thence 1.5 mi. S. from, 30 ft. S. and 45 ft. E. from NW. cor. sec. 16, T. 15 N., R. 2 E., in root on S. side of maple tree; copper nail and washer-----	715. 63

[Continued in Prairie Home quadrangle, line 1]

10. From road junction 6.6 miles southeast of Decatur along roads south and west 3.6 miles to point 2.7 miles north and 4 miles east from Macon (by E. W. Gouchenour in 1929)

Decatur, 7.5 mi. SE. of, 2.2 mi. NW. of Mount Zion, 0.5 mi. N. of SE. cor. sec. 6, T. 15 N., R. 3 E., 45 ft. S. and 25 ft. E. from crossroads, in root on N. side of maple tree; copper nail and washer----	676. 75
Mount Zion, 1.0 S. and 1.8 mi. W. from, near SE. cor. sec. 7, T. 15 N., R. 3 E., 10 ft. N. and 15 ft. W. from junction of T-rd. E., on large boulder; chiseled square-----	702. 39
Mount Zion, 1.3 mi. S. and 1.8 mi. W. from, 0.25 mi. S. of NE. cor. sec. 18, T. 15 N., R. 3 E., 40 ft. S. and 20 ft. W. from junction of T-rd. W., in concrete post; standard tablet stamped "T T Sta No 18 F 1929"-----	694. 824
Reference mark, 25 ft. N. and 225 ft. W. from rd. junction, in root on S. side of large maple tree; copper nail and washer-----	698. 20
Mount Zion, 1.3 mi. S. and 2.6 mi. W. from, 4.0 mi. E. thence 2.8 mi. N. from Macon, 0.25 mi. S. of NW. cor. sec. 18, T. 15 N., R. 3 E., 50 ft. N. and 20 ft. E. from junction of N-S. rd., in root on S. side of black-walnut tree; copper nail and washer-----	698. 92

[Continued in Prairie Home quadrangle, line 2]

11. From road junction 1.3 miles south and 1.8 miles west from Mount Zion along roads generally east to road junction 1 mile south and 1 mile east from Prairie Hall, thence alternately north and east to point 0.5 mile south and 2.2 miles east from Casner (by E. W. Gouchenour in 1929)

Mount Zion, 1.3 mi. S. and 0.8 mi. W. from, 0.3 mi. S. and 2.0 mi. W. from Hervey City, 0.25 mi. S. of NE. cor. sec. 17, T. 15 N., R. 3 E., 60 ft. S. and 20 ft. W. from fence W., in root on W. side of black-walnut tree; copper nail and washer-----	662. 15
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[Jogs into Prairie Home quadrangle, line 3]

Prairie Hall, 1.0 mi. E. of, 3.0 mi. S. and 1.3 mi. E. from Casner, near S $\frac{1}{4}$ cor. sec. 9, T. 15 N., R. 4 E., on N. side of Pennsylvania R. R. track, 45 ft. N. and 30 ft. W. from junction of T-rd. E., in root on E. side of willow tree; copper nail and washer (recovered by U. S. C. & G. S. in 1938)-----	721. 983
Casner, 1.2 mi. S. and 1.8 mi. E. from, near E $\frac{1}{4}$ cor. sec. 4, T. 15 N., R. 4 E., 33 ft. S. and 18 ft. W. from junction of T-rd. W., in concrete post; standard tablet stamped "T T Sta No 23 E 1929"-----	728. 335
Reference mark, 90 ft. N. of tablet, in root on E. side of large cottonwood tree; copper nail and washer-----	728. 90

Casner, 0.5 mi. S. and 1.7 mi. E. from, 0.25 mi. E. of SW. cor. sec. 33, T. 16 N., R. 4 E., at jog in N.-S. rd., 33 ft. N. and 16 ft. W. from junction of U. S. Highway 36 and T-rd. N., on W. wing of concrete culvert; chiseled square-----

Feet
733.00

[Continued in Bement quadrangle, line 3]

12. From point 1.6 miles west of Lake City west along road to road junction 1 mile east of Prairie Hall (by L. V. Johnson in 1930)

[Continued from Bement quadrangle, line 4]

Prairie Hall, 1.5 mi. E. of, near S. cor. secs. 9 and 10, T. 15 N., R. 4 E., on N. side of rd., in line with fences N. and S., at Lincoln Memorial post, on SW. corner of concrete base; chiseled square (recovered by U. S. C. & G. S. in 1938)-----

717.807

DWIGHT QUADRANGLE
 [Latitude 41°00'–41°15'; longitude 88°15'–88°30']
GRUNDY AND LIVINGSTON COUNTIES

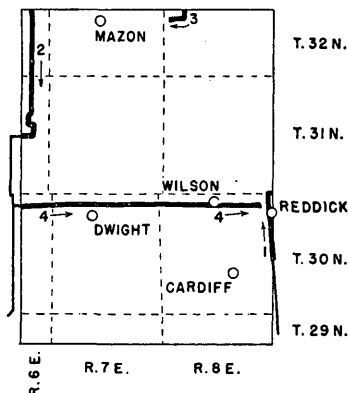


FIGURE 171.—Lines of leveling in Dwight quadrangle.

1. From point on Kankakee-Livingston county-line road about 1 mile south of Reddick north to Grundy-Livingston county line, thence east to point 1.1 miles north of Reddick (by E. O. Brooks in 1923; leveled twice)

[Continued from Herscher quadrangle, line 8]

Reddick, 1.0 mi. S. of, near NW. cor. sec. 18, T. 30 N., R. 9 E., 24 ft. S. and 24 ft. E. from crossroads, 2 ft. N. and 3 ft. W. from fence corner; standard iron post with bronze cap stamped "Prim Trav Sta No 77 W 1921 EB 6" ³⁴ -----	Feet 612. 218
Reference mark, 40 ft. N. of iron post, at concrete culvert under rd. E., on top near center of N. head wall; chiseled square ³⁴ -----	613. 84
Reddick, in SW. part of, at crossing of Wabash Ry., in SE. angle of crossroads, at NW. corner of old store building, on top of W. concrete step; chiseled square ³⁴ -----	611. 61

[Connects with line 6 in Herscher quadrangle]

2. From point 1.8 miles south of Wauponsee south and west along roads to point 4.3 miles south of Verona (by George Adgate in 1934)

[Continued from Morris quadrangle, line 9]

Wauponsee, 2.5 mi. S. of, 0.5 mi. E. thence 1.9 mi. N. from Verona, near SE. cor. sec. 14, T. 32 N., R. 6 E., 875 ft. N. and 30 ft. W. from crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 9 1912"-----	615. 125
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³⁴ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "K 28 1934," elevation 608.526 ft.

Verona, 0.5 mi. E. thence 0.8 mi. N. from, near NW. cor. sec. 25, T. 32 N., R. 6 E., 100 ft. S. and 30 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "10 1 1934"-----	Feet 624. 218
Verona, 0.5 mi. E. thence 0.3 mi. S. from, near NE. cor. sec. 35, T. 32 N., R. 6 E., 100 ft. S. and 30 ft. W. from crossroads; top of iron pipe--	628. 72
Verona, 0.5 mi. E. thence 1.3 mi. S. from, near SW. cor. sec. 36, T. 32 N., R. 6 E., 330 ft. N. of offset crossroads, on E. side of N.-S. rd., 80 ft. S. of yard gate, in concrete post; standard tablet stamped "Prim Trav Sta No 97 Mac 1923"-----	621. 736
Verona, 0.5 mi. E. thence 2.3 mi. S. from, near NE. cor. sec. 11, T. 31 N., R. 6 E., 100 ft. S. and 30 ft. W. from crossroads; top of iron pipe-----	629. 12
Verona, 0.5 mi. E. thence 3.3 mi. S. from, near NE. cor. sec. 14, T. 31 N., R. 6 E., in SW. angle of offset crossroads, 30 ft. S. and 100 ft. W. from junction of T-rd. S., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "10 2 1934"-----	631. 786
Verona, 0.5 mi. E. thence 4.3 mi. S. from, 3.0 mi. E. thence 4.5 mi. N. from Nevada, near NW. cor. sec. 24, T. 31 N., R. 6 E., 100 ft. S. and 30 ft. E. from crossroads; top of iron pipe-----	638. 15

[Continued in Odell quadrangle, line 6]

3. From point 0.8 mile south of Gorman south along road 0.5 mile, thence west 0.8 mile to point in northwest quarter sec. 19, T. 32 N., R. 8 E. (by George Adgate in 1934; spur line leveled twice)

[Connects with line 1 in Morris quadrangle]

Gorman, 1.3 mi. S. thence 0.8 mi. W. from, 3.7 mi. N. and 2.3 mi. W. from Gardner, 0.2 mi. E. of NW. cor. sec. 19, T. 32 N., R. 8 E., at dwelling of M. Z. Bullon, 25 ft. S. of center line of rd., in NW. corner of yard, 2 ft. from fence corner; standard iron post with bronze cap stamped "Prim Trav Sta No 21 1914"-----	562. 305
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4. From point 1 mile north and 2.4 miles east from Nevada east along New York Central Railroad to Reddick (by George Adgate in 1934)

[Connects with line 4 in Odell quadrangle]

Nevada, 1.0 mi. N. and 3.0 mi. E. from, 3.4 mi. W. of N. Y. C. R. R. sta. at Dwight, near W $\frac{1}{4}$ cor. sec. 1, T. 30 N., R. 6 E., 100 ft. E. of rd. crossing, 2 ft. N. of S. right-of-way fence; top of iron pipe--	645. 77
Dwight, 2.3 mi. W. of, near W $\frac{1}{4}$ cor. sec. 6, T. 30 N., R. 7 E., 100 ft. E. of rd. crossing, 55 ft. S. of center line of track, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "10 4 1934"-----	646. 608
Dwight, 0.9 mi. W. of, near W $\frac{1}{4}$ cor. sec. 4, T. 30 N., R. 7 E., 100 ft. E. of rd. crossing, 2 ft. N. of S. right-of-way fence; top of iron pipe-----	643. 44
Dwight, 145 ft. S. and 150 ft. E. from N. Y. C. R. R. sta., in SE. corner of sidewalk intersection, in concrete post; standard tablet stamped "Prim Trav Sta No 90 K 1924" ³⁵ -----	631. 969

³⁵ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "W 28 1934," elevation 632.095 ft.

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Dwight, 1.3 mi. E. of, 400 ft. E. of W $\frac{1}{4}$ cor. sec. 2, T. 30 N., R. 7 E., 15 ft. N. of center line of track, on top of NW. corner of concrete foundation of signal; chiseled square-----	<i>Feet</i> 632. 67
Dwight, 2.2 mi. E. of, near W $\frac{1}{4}$ cor. sec. 1, T. 30 N., R. 7 E., 100 ft. E. of rd. crossing, 55 ft. S. of center line of track, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "10 5 1934"-----	626. 937
Dwight, 3.2 mi. E. of, 2.8 mi. W. of Blair, near E $\frac{1}{4}$ cor. sec. 1, T. 30 N., R. 7 E., 100 ft. W. of rd. crossing, 2 ft. N. of S. right-of-way fence; top of iron pipe-----	627. 58
Blair, 2.0 mi. W. of, near W $\frac{1}{4}$ cor. sec. 5, T. 30 N., R. 8 E., 100 ft. E. of rd. crossing, 55 ft. S. of center line of track, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "10 6 1934"-----	616. 953
Blair, 1.0 mi. W. of, near W $\frac{1}{4}$ cor. sec. 4, T. 30 N., R. 8 E., 100 ft. E. of rd. crossing, 2 ft. N. of S. right-of-way fence; top of iron pipe ³⁶ -----	615. 38
Blair, 71 ft. N. and 25 ft. W. from rd. crossing, near E $\frac{1}{4}$ cor. sec. 4, T. 30 N., R. 8 E., in concrete post; standard tablet stamped "Prim Trav Sta No 89 K 1924" ³⁶ -----	613. 454
Blair, 1.3 mi. E. of, 1.8 mi. W. of N. Y. C. R. R. sta. at Reddick, 0.25 mi. W. of center of sec. 2, T. 30 N., R. 8 E., 100 ft. E. of rd. crossing, 2 ft. N. of S. right-of-way fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "10 7 1934" (recovered by U. S. C. & G. S. in 1934)-----	609. 615
Reddick, 1.0 mi. W. of, near W $\frac{1}{4}$ cor. sec. 1, T. 30 N., R. 8 E., 250 ft. E. of rd. crossing, 15 ft. S. of center line of track, on top of SW. corner of concrete foundation of signal; chiseled square-----	609. 47
Reddick, 300 ft. W. of sta., 5 ft. S. of N. right-of-way fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "10 8 1934" ³⁷ -----	608. 328

³⁶ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "M 28 1934," elevation 614.635 ft.

³⁷ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "K 28 1934," elevation 608.526 ft.

FITHIAN QUADRANGLE
[Latitude 40°00'–40°15'; longitude 87°45'–88°00']
CHAMPAIGN AND VERMILION COUNTIES

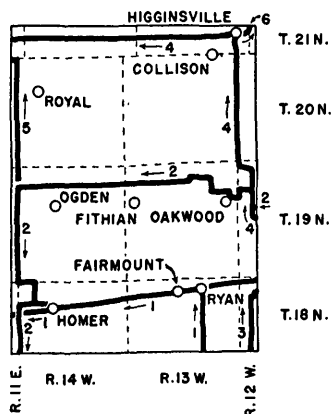


FIGURE 172.—Lines of leveling in Fithian quadrangle.

1. From point 0.7 mile north of Jamaica north along Chicago & Eastern Illinois Railway to Fairmount Junction (Ryan), thence west along Wabash Railway to point 2.2 miles west of Homer (by T. A. Green in 1906; first-order leveling)

[Continued from Hume quadrangle, line 1]

Jamaica, 2.2 mi. N. of, near W $\frac{1}{4}$ cor. sec. 14, T. 18 N., R. 13 W., 70 ft. NW. of milepost "C. 134-T. 260," 195 ft. NW. of switch; standard iron post with bronze cap stamped "1906 668" and designated "N 4"	667. 774
Fairmount Junction (Ryan), 56 ft. NW. of sta., 1.4 mi. E. of Fairmount, near quarter corner between secs. 2 and 3, T. 18 N., R. 13 W., 50 ft. W. of C. & E. I. tracks, 35 ft. N. of Wabash Ry., 60 ft. W. of signal tower, in fence corner; standard iron post with bronze cap stamped "1906 654" and designated "O 4" ⁸⁸	653. 528
Fairmount, 1.3 mi. W. of, in SW $\frac{1}{4}$ sec. 5, T. 18 N., R. 13 W., 40 ft. N. of track, 50 ft. N. of milepost "St. Louis 172-Tol. 264"; standard iron post with bronze cap stamped "1906 665" and designated "R 4" (recovered by U. S. C. & G. S. in 1935)	655. 281
Fairmount, 4.2 mi. W. of, 2.6 mi. E. of Homer, near N $\frac{1}{4}$ cor. sec. 11, T. 18 N., R. 14 W., 35 ft. N. of track, 25 ft. E. of rd., near fence corner; standard iron post with bronze cap stamped "1906 664" and designated "S 4"	663. 818
Homer, 605 ft. W. of sta., 30 ft. N. of track, 25 ft. W. of rd., at E. side of asphalt pavement; aluminum tablet stamped "1906 674" and designated "T 4" ⁸⁹	673. 913

[Continued in Urbana quadrangle, line 5]

⁸⁸ In 1935 this bench mark was tied to U. S. C. & G. S. standard disks stamped "B 16 1934," elevation 655.114 ft., and "A 16 1934," elevation 654.375 ft.

⁸⁹ In 1929 this bench mark was reported destroyed. It was replaced by the standard tablet stamped "M 14 1929," described in line 2.

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2. From point 0.5 mile south and 1.5 miles east from Oakwood west 0.2 mile along State Highway 10, thence along roads generally northwest and west to point 1 mile north and 1.9 miles west from Ogden, thence alternately south and east to Homer, thence west 1.8 miles, thence south 2.5 miles (by G. W. Moore in 1929)

[Continued from Danville quadrangle, line 5]

Oakwood, 0.5 mi. S. and 1.3 mi. E. from, near E $\frac{1}{4}$ cor. sec. 18, T. 19 N., R. 12 W., 35 ft. W. of crossroads, opposite Shell Oil service sta., on W. end of N. head wall of concrete culvert under highway; chiseled square-----	<i>Feet</i> 647. 52
Oakwood, 0.5 mi. N. and 1.3 mi. E. from, at Webster school, near E $\frac{1}{4}$ cor. sec. 7, T. 19 N., R. 12 W., 33 ft. N. and 24 ft. W. from crossroads, in SE. corner of schoolyard, 27 ft. S. and 37 ft. E. from SE. corner of schoolhouse, in concrete post; standard tablet stamped "T T Sta No 56 E 1929"-----	645. 504
Reference mark, 30 ft. N. and 90 ft. W. from crossroads, in root on NW. side of twin maple tree; copper nail and washer-----	645. 92
Oakwood, 0.5 mi. E. thence 0.3 mi. N. from, about 0.25 mi. S. of E $\frac{1}{4}$ cor. sec. 12, T. 19 N., R. 13 W., 225 ft. N. of house, 20 ft. W. of rd., 7 ft. E. of fence, in root on E. side of 15-in. oak tree, northernmost in row; copper nail and washer-----	645. 42
Oakwood, in second block W. of sta., 90 ft. S. and 15 ft. E. from paved crossroads, 20 ft. N. and 15 ft. E. from R. R. crossing, at electric crossing alarm box, on SE. corner of square concrete base; chiseled square-----	646. 85
Oakwood, 0.5 mi. N. of, near center of sec. 12, T. 19 N., R. 13 W., 22 ft. W. of main rd., on E. end of N. head wall of concrete culvert under T-rd. W.; chiseled square-----	646. 88
Oakwood, 0.5 mi. N. thence 1.0 mi. W. from, 0.5 mi. E. thence 0.5 mi. N. from Bronson, near center of sec. 11, T. 19 N., R. 13 W., 21 ft. S. and 22 ft. E. from junction of T-rd. E., 8 ft. E. of fence corner, in concrete post; standard tablet stamped "T T Sta No 62 E 1929"-----	647. 141
Reference mark, 9 ft. S. and 25 ft. W. from junction of T-rd. E., 12 ft. S. and 5 ft. W. from fence corner, in root on NE. side of 32-in. cottonwood tree; copper nail and washer-----	646. 93
Oakwood, 1.3 mi. N. and 1.0 mi. W. from, near center of S $\frac{1}{2}$ sec. 2, T. 19 N., R. 13 W., about 300 ft. W. of junction of E-W. rd., at E. abutment of iron bridge, on end of S. wing wall; chiseled square-----	644. 85
Oakwood, 1.3 mi. N. and 1.7 mi. W. from, near center of SE $\frac{1}{4}$ sec. 3, T. 19 N., R. 13 W., 20 ft. N. and 65 ft. W. from crossroads, at fence, in root on S. side of multiple hackberry tree; copper nail and washer-----	650. 63
Oakwood, 1.0 mi. N. and 2.1 mi. W. from, 0.37 mi. E. of SW. cor. sec. 3, T. 19 N., R. 13 W., 39 ft. N. and 20 ft. E. from bend in rd. from S. to W., 59 ft. N. of E-W. fence, in root on SW. side of multiple Osage-orange tree; copper nail and washer-----	651. 50
Oakwood, 1.0 mi. N. and 2.8 mi. W. from, 0.16 mi. E. of S $\frac{1}{4}$ cor. sec. 4, T. 19 N., R. 13 W., 465 ft. W. of junction of T-rd. S., 35 ft. W. of large gate with concrete posts, on E. end of N. head wall of small concrete culvert; chiseled square-----	637. 07

Oakwood, 1.0 mi. N. and 3.5 mi. W. from, 1.0 mi. N. of Muncie, 1.0 mi. N. thence 1.5 mi. E. from Fithian, at Dalby School, near SE. cor. sec. 5, T. 19 N., R. 13 W., 55 ft. N. and 64 ft. W. from crossroads, 2 ft. S. and 5 ft. W. from SE. corner of schoolhouse, in concrete post; standard tablet stamped "T T Sta No 61 E 1929"-----	<i>Feet</i> 651. 921
Reference mark, 62 ft. N. and 53 ft. W. from crossroads, at schoolhouse, on SE. corner of concrete porch; chiseled square-----	653. 83
Fithian, 1.0 mi. N. thence 0.8 mi. E. from, 0.25 mi. E. of NW. cor. sec. 8, T. 19 N., R. 13 W., 25 ft. S. and 20 ft. E. from junction of T-rd. S., at corner fence post, on NW. corner of concrete foundation; chiseled square-----	651. 00
Fithian, 1.0 mi. N. of, near N $\frac{1}{4}$ cor. sec. 7, T. 19 N., R. 13 W., 18 ft. W. of crossroads, on E. end of S. head wall of concrete culvert; chiseled square-----	660. 33
Fithian, 1.0 mi. N. thence 1.0 mi. W. from, near S $\frac{1}{4}$ cor. sec. 1, T. 19 N., R. 14 W., 45 ft. N. of rd., 20 ft. N. and 3 ft. E. from fence corner, in SW. corner of yard, in root on N. side of 12-in. locust tree; copper nail and washer-----	663. 29
Fithian, 1.0 mi. N. thence 1.5 mi. W. from, 1.0 mi. N. thence 3.0 mi. E. from Ogden, near NE. cor. sec. 11, T. 19 N., R. 14 W., 25 ft. S. and 36 ft. W. from intersection of State Highway 49, 6 ft. S. and 1 ft. E. from NW. leg of steel tower, in concrete post; standard tablet stamped "T T Sta No 60 E 1929" ⁴⁰ -----	661. 572
Reference mark, 40 ft. N. of tablet, 30 ft. W. of highway, on W. end of N. head wall of concrete culvert; chiseled square-----	664. 07
Ogden, 1.0 mi. N. thence 2.0 mi. E. from, near SW. cor. sec. 2, T. 19 N., R. 14 W., 115 ft. E. of crossroads, at iron bridge over drainage ditch, on lower step of N. parapet of W. abutment; chiseled square-----	663. 55
Ogden, 1.0 mi. N. thence 0.7 mi. E. from, 0.25 mi. W. of NE. cor. sec. 9, T. 19 N., R. 14 W., 20 ft. S. of rd., 250 ft. E. of house, in root on N. side of 19-in. walnut tree; copper nail and washer-----	671. 55
Ogden, 1.0 mi. N. of, near NW. cor. sec. 9, T. 19 N., R. 14 W., 18 ft. S. and 40 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 59 E 1929"-----	670. 184
Reference mark, in SW. angle of crossroads, at V-shaped culvert under E.-W. rd., on W. end of S. head wall; chiseled square-----	670. 99
Ogden, 1.0 mi. N. thence 0.5 mi. W. from, near S $\frac{1}{4}$ cor. sec. 5, T. 19 N., R. 14 W., 22 ft. N. and 15 ft. W. from junction of T-rd. S., in root on SE. side of 30-in. maple tree; copper nail and washer-----	672. 98
Ogden, 1.0 mi. N. thence 1.0 mi. W. from, near NE. cor. sec. 7, T. 19 N., R. 14 W., 20 ft. S. and 180 ft. W. from junction of T-rd. N., in root on N. side of twin boxelder tree; copper nail and washer-----	671. 08
Ogden, 1.0 mi. N. thence 1.9 mi. W. from, near NW. cor. sec. 7, T. 19 N., R. 14 W., 180 ft. S. and 30 ft. E. from crossroads, in SW. corner of yard, in root on W. side of 16-in. maple tree; copper nail and washer (recovered in 1930)-----	679. 85

⁴⁰ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "D 24 1935," elevation 667.541 ft.

Ogden, 1.9 mi. W. of, 1.9 mi. W. and 5.2 mi. N. from Homer, near NE. cor. sec. 18, T. 19 N., R. 11 E., 133 ft. S. of Cleveland, Cincinnati, Chicago & St. Louis Ry., 20 ft. S. and 24 ft. W. from crossroads, at corner of field owned by Lou Richards, 5 ft. NE. of fence corner, in limestone rock; aluminum tablet stamped "Prim Trav Sta No 5 1905" (recovered in 1930)-----	<i>Feet</i> 676. 277
Reference mark, 20 ft. N. of School No. 10, on N. end of E. head wall of concrete culvert under N.-S. rd.; chiseled square (recovered in 1930)-----	676. 61
Homer, 1.9 mi. W. and 4.2 mi. N. from, near NE. cor. sec. 19, T. 19 N., R. 11 E., 25 ft. S. and 20 ft. W. from junction of T-rd. E., in root on NE. side of 34-in. cottonwood tree; copper nail and washer-----	667. 21
Homer, 1.9 mi. W. and 3.6 mi. N. from, 0.13 mi. S. of E¼ cor. sec. 19, T. 19 N., R. 11 E., at iron bridge over small stream, on W. end of W. wing wall of S. abutment; chiseled square-----	664. 45
Homer, 1.9 mi. W. and 2.8 mi. N. from, at Clark School, 270 ft. N. of E¼ cor. sec. 30, T. 19 N., R. 11 E., 230 ft. N. of crossroads, at wooden bridge over small stream, on W. wing wall of N. abutment; chiseled square-----	654. 30
Homer, 1.9 mi. W. and 1.8 mi. N. from, 340 ft. N. of W¼ cor. sec. 31, T. 19 N., R. 14 W., 40 ft. E. of rd., 20 ft. E. of fence, in root on W. side of 20-in. apple tree; copper nail and washer-----	662. 90
Homer, 1.9 mi. W. and 1.2 mi. N. from, near SE. cor. sec. 31, T. 19 N., R. 11 E., 200 ft. N. and 17 ft. W. from right angle in rd., 240 ft. S. and 55 ft. W. from SW. corner of farmhouse of Elijah Smith, in concrete post; standard tablet stamped "13 M 1929"-----	657. 410
Homer, 1.1 mi. W. and 1.2 mi. N. from, 925 ft. W. of SE. cor. sec. 31, T. 19 N., R. 14 W., at small steel bridge over creek, on N. parapet of E. abutment; chiseled square-----	640. 86
Homer, 1.0 mi. W. thence 1.0 mi. N. from, 0.25 mi. S. of NW. cor. sec. 5, T. 18 N., R. 14 W., 25 ft. E. of N.-S. rd., on S. head wall of concrete culvert under T-rd. E.; chiseled square-----	643. 31
Homer, 1.0 mi. W. of, 0.25 mi. S. of NE. cor. sec. 7, T. 18 N., R. 14 W., in NW. angle of crossroads, on N. end of V-shaped concrete culvert under N.-S. rd.; chiseled square-----	664. 20
Homer, 610 ft. W. of sta., 126 ft. N. of intersection of main track of Wabash Ry., 5 ft. S. and 30 ft. W. from junction of street E., in NE. corner of yard of Albert Hinton, in concrete post; standard tablet stamped "14 M 1929" (recovered by U. S. C. & G. S. in 1935) ^a -----	672. 961
Reference mark, 17 ft. N. and 9 ft. E. from tablet, 143 ft. N. of main track of Wabash Ry., 12 ft. N. and 21 ft. W. from junction of T-street E., in root on SE. side of 28-in. maple tree; copper nail and washer-----	672. 68
Homer, 1.5 mi. W. of, in NW¼ sec. 7, T. 18 N., R. 14 W., 400 ft. W. of quarter section fence line, 0.35 mi. E. of crossroads, 20 ft. S. of rd., 70 ft. E. of house, on E. head wall of small concrete culvert under private rd. to farm; chiseled square-----	672. 77
Homer, 1.9 mi. W. thence 0.3 mi. S. from, at Liberty School, near W¼ cor. sec. 7, T. 18 N., R. 14 W., 30 ft. N. and 20 ft. E. from intersection of Wabash Ry., in SW. corner of field, just off right-of-way; standard iron post with bronze cap stamped "Prim Trav Sta No 4 1905"-----	680. 925

^a This bench mark replaces the aluminum tablet stamped "1906 674," described in line 1.

Reference mark, 85 ft. S. of iron post, 49 ft. S. and 33 ft. E. from R. R. crossing, in schoolyard, 19 ft. S. and 13 ft. E. from fence corner, in root on NW. side of 20-in. maple tree; copper nail and washer-----	<i>Feet</i> 677. 94
Homer, 1.9 mi. W. thence 0.8 mi. S. from, near NE. cor. sec. 18, T. 18 N., R. 11 E., 95 ft. S. and 32 ft. W. from junction of T-rd. E., 75 ft. S. and 12 ft. W. from large main gate to farm of H. M. Lee, in root on E. side of 30-in. maple tree; copper nail and washer-----	670. 10
Homer, 1.9 mi. W. thence 1.8 mi. S. from, near NW. cor. sec. 19, T. 18 N., R. 14 W., 55 ft. S. and 20 ft. E. from crossroads, 28 ft. S. and 8 ft. E. from fence corner, in root on W. side of 26-in. maple tree; copper nail and washer-----	674. 22

[Continued in Hume quadrangle, line 2]

3. From point 0.6 mile north and 2.6 miles east from Jamaica north and east along roads to point 1.2 miles south and 2.6 miles west from Catlin (by G. W. Moore in 1930)

[Continued from Hume quadrangle, line 2]

Jamaica, 2.6 mi. E. thence 1.2 mi. N. from, 2.7 mi. S. and 3.8 mi. E. from Fairmount, in NE¼ sec. 19, T. 18 N., R. 12 W., at offset crossroads, 102 ft. W. of junction of T-rd. N., 33 ft. S. and 42 ft. W. from junction of T-rd. S., 3 ft. S. and 22 ft. W. from fence corner, in root on SE. side of 22-in. Osage-orange tree; copper nail and washer-----	677. 60
Fairmount, 1.9 mi. S. and 3.8 mi. E. from, 0.25 mi. W. of E¼ cor. sec. 18, T. 18 N., R. 12 W., 21 ft. E. of rd., 25 ft. N. and 2 ft. E. from fence corner, in root on SW. side of 36-in. cottonwood tree; copper nail and washer-----	692. 11
Fairmount, 1.3 mi. S. and 3.8 mi. E. from, 545 ft. N. and 0.25 mi. W. from SE. cor. sec. 7, T. 18 N., R. 12 W., 545 ft. N. of crossroads, on N. end of W. head wall of concrete culvert; chiseled square-----	697. 92
Fairmount, 0.5 mi. S. and 3.8 mi. E. from, 0.09 mi. S. and 0.25 mi. W. from NE. cor. sec. 7, T. 18 N., R. 12 W., 460 ft. S. of junction of E-W. rd., on N. end of W. head wall of brick culvert with concrete topping; chiseled square-----	673. 19
Fairmount, 0.4 mi. S. thence 4.1 mi. E. from, 1.2 mi. S. and 2.7 mi. W. from Catlin, near NE. cor. sec. 7, T. 18 N., R. 12 W., 15 ft. S. of rd. W., 18 ft. W. of rd. N., 3 ft. N. of fence, 16 ft. W. of center of gate, in concrete post; standard tablet stamped "T T Sta No 54 E 1929"-----	676. 892

[Continued in Danville quadrangle, line 6]

4. From point 1 mile south and 1.5 miles east from Oakwood generally north along roads to Higginsville, thence west to point 3.1 miles east of Flatville (by G. W. Moore in 1929-30; portion of line from Higginsville west 4.5 miles leveled twice)

[Continued from Danville quadrangle, line 6]

Oakwood, 1.0 mi. S. and 1.3 mi. E. from, at Missionfield School, near SW. cor. sec. 17, T. 19 N., R. 12 W., 140 ft. N. and 20 ft. E. from right-angle turn in rd. from W. to N., 400 ft. S. of schoolhouse, in root on E. side of 32-in. oak tree; copper nail and washer-----	642. 16
Oakwood, 1.1 mi. N. and 1.3 mi. E. from, at Belgium Row, about 0.1 mi. N. of SE. cor. sec. 6, T. 19 N., R. 12 W., 35 ft. W. of rd., 475 ft. S. of high-power line, in SE. part of yard of Taylor residence, in root on SE. side of 17-in. hickory tree; copper nail and washer-----	642. 91

1012 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Oakwood, 1.6 mi. N. and 1.3 mi. E. from, 0.9 mi. SE. of Glenburn, near W $\frac{1}{4}$ cor. sec. 5, T. 19 N., R. 12 W., 65 ft. S. of rd. junction, at large concrete bridge over Glenburn Creek, on E. parapet of N. abutment; chiseled square-----	<i>Feet</i> 570. 79
Glenburn, 100 ft. E. of crossroads, in NW $\frac{1}{4}$ sec. 6, T. 19 N., R. 12 W., at small iron bridge over Glenburn Creek, on S. wing wall of W. abutment; chiseled square-----	591. 58
Glenburn, 0.9 mi. N. of, 0.8 mi. S. of Newtown (Pilot), 0.25 mi. S. of NE. cor. sec. 36, T. 20 N., R. 13 W., 35 ft. S. of T-rd. W., 340 ft. N. of junction of T-rd. E., at concrete culvert under paved highway, on N. end of W. head wall; chiseled square-----	683. 58
Newtown (Pilot), near W $\frac{1}{4}$ cor. sec. 30, T. 20 N., R. 12 W., 18 ft. N. and 23 ft. E. from junction of T-rd. E., 54 ft. S. and 23 ft. E. from junction of T-rd. W., in concrete post; standard tablet stamped "T T Sta No 57 E 1929"-----	730. 729
Reference mark, on E. end of N. head wall of concrete culvert under T-rd. W.; chiseled square-----	730. 99
Newtown, 0.5 mi. N. of, near SW. cor. sec. 19, T. 20 N., R. 12 W., 68 ft. S. and 21 ft. E. from junction of T-rd. W., on W. end of N. head wall of concrete culvert under T-rd. E.; chiseled square-----	717. 44
Newtown, 1.0 mi. N. of, near W $\frac{1}{4}$ cor. sec. 19, T. 20 N., R. 12 W., 65 ft. S. and 20 ft. E. from junction of T-rd. W., on W. end of N. head wall of concrete culvert under T-rd. E.; chiseled square-----	732. 07
Newtown, 2.0 mi. N. of, near E $\frac{1}{4}$ cor. sec. 13, T. 20 N., R. 13 W., 390 ft. S. of T-rd. W., 245 ft. S. of junction of T-rd. E., on N. end of W. head wall of concrete culvert; chiseled square-----	706. 33
Newtown, 2.7 mi. N. of, 0.15 mi. N. of SE. cor. sec. 12, T. 20 N., R. 13 W., at concrete culvert under T-rd. W., on E. end of N. head wall; chiseled square-----	672. 53
Newtown, 3.0 mi. N. of, 2.4 mi. S. of Higginsville, at Red Oak School, near E $\frac{1}{4}$ cor. sec. 12, T. 20 N., R. 13 W., 50 ft. N. and 33 ft. W. from junction of T-rd. W., in SE. corner of schoolyard, 2 ft. N. of fence, 8 ft. W. of fence corner, in concrete post; standard tablet stamped "T T Sta No 58 E 1929"-----	667. 705
Reference mark, 58 ft. N. of tablet, in schoolyard, on NE. corner of concrete platform of pump; chiseled square-----	668. 42
Higginsville, 1.4 mi. S. of, near NE. cor. sec. 1, T. 20 N., R. 13 W., 20 ft. N. and 75 ft. W. from intersection of tangents of rds. S. and W., 160 ft. N. and 75 ft. W. from junction of T-rd. E., 20 ft. N. and 155 ft. E. from junction of T-rd. N., at S. end of cement sidewalk N. to house, on SW. corner of concrete stepping block; chiseled square-----	669. 23
Higginsville, 0.7 mi. S. of, near center of NW $\frac{1}{4}$ sec. 36, T. 21 N., R. 13 W., 69 ft. S. and 10 ft. W. from center of large steel bridge over Middle Fork of Vermilion River, on SW corner of SW. steel base; chiseled square-----	622. 73
Higginsville, 25 ft. S. and 111 ft. W. from junction of E.-W. rd., 739 ft. E. of junction of rd. N., 8 ft. S. and 91 ft. W. from fence corner, in yard, in root on NE. side of twin maple tree; copper nail and washer-----	674. 10
Higginsville, 0.8 mi. W. of, 0.25 mi. E. of N $\frac{1}{4}$ cor. sec. 35, T. 21 N., R. 13 W., 290 ft. E. of intersection of Chicago & Eastern Illinois Ry., 25 ft. S. of rd., 25 ft. N. of NE. corner of Duke farmhouse, in root on N. side of 20-in. oak tree; copper nail and washer-----	666. 87

Higginsville, 1.7 mi. W. of, 1.1 mi. N. thence 0.2 mi. E. from Collison, 1,190 ft. E. of S $\frac{1}{4}$ cor. sec. 27, T. 21 N., R. 13 W., 31 ft. N. and 1,190 ft. E. from crossroads, 6 ft. N. of fence, at tree nearest crossroads, in root on S. side of twin Osage-orange tree; copper nail and washer-----	Feet 684. 84
Collison, 1.1 mi. N. thence 0.8 mi. W. from, 0.25 mi. W. of NE. cor. sec. 33, T. 21 N., R. 13 W., 35 ft. S. and 20 ft. W. from crossroads, 20 ft. S. of fence corner, outside fence, in concrete post; standard tablet stamped "Prim Trav Sta No 136 Mac 1923"-----	697. 723
Reference mark, in SE. angle of crossroads, on S. end of E. head wall of concrete culvert; chiseled square-----	698. 35
Collison, 1.1 mi. N. thence 1.9 mi. W. from, 0.33 mi. W. of E. cor. secs. 29 and 32, T. 21 N., R. 13 W., 385 ft. W. of N.-S. line fence, 31 ft. S. and 60 ft. E. from junction of private field rd. S., 11 ft. S. of fence, 120 ft. NE. of NE. corner of red cornerib, in root on S. side of 27-in. maple tree; copper nail and washer-----	713. 43
Collison, 1.1 mi. N. thence 2.6 mi. W. from, near NE. cor. sec. 31, T. 21 N., R. 13 W., 70 ft. S. of crossroads, on S. end of W. head wall of concrete culvert under N.-S. paved highway; chiseled square-----	713. 39
Collison, 1.1 mi. N. thence 3.6 mi. W. from, near NW. cor. sec. 31, T. 21 N., R. 13 W., about 75 ft. E. of range line, 35 ft. S. of rd. E., 10 ft. N. of junction of rd. W., in concrete post; standard tablet stamped "Prim Trav Sta No 137 Mac 1923"-----	732. 411
Reference mark, 65 ft. N. of tablet, about 75 ft. E. of range line, 30 ft. N. of rd. E., in root on S. side of 14-in. Osage-orange tree; copper nail and washer-----	733. 14
T. 21 N., R. 14 W., near NW. cor. sec. 36, in SE. angle of intersection of State Highway 49, 30 ft. E. of highway, on E. end of S. head wall of concrete culvert; chiseled square ^a -----	752. 71
T. 21 N., R. 14 W., near NW. cor. sec. 35, 35 ft. S. and 34 ft. E. from crossroads, in NW. corner of farmyard, in root on NE. side of 17-in. maple tree; copper nail and washer-----	777. 88
T. 21 N., R. 14 W., near SE. cor. sec. 28, at School No. 8, 25 ft. N. and 30 ft. W. from crossroads, 30 ft. SE. of pump in schoolyard, 2 ft. from corner of yard fence, in concrete post; standard tablet stamped "Prim Trav Sta No 138 Mac 1923"-----	784. 353
Reference mark, 30 ft. NW. of tablet, on SE. corner of old pump platform; chiseled square-----	783. 60
T. 21 N., R. 14 W., near SW. cor. sec. 28, at Daily, 5.8 mi. E. of Flatville, in NE. angle of crossroads, 340 ft. W. of crossing of C. & E. I. Ry., on top near center of L-shaped concrete culvert; chiseled square-----	746. 74
Flatville, 4.8 mi. E. of, near SW. cor. sec. 29, T. 21 N., R. 14 W., 4 ft. N. and 120 ft. E. from crossroads, in SE. corner of schoolyard, in root on SE. side of twin maple tree; copper nail and washer-----	757. 81
Flatville, 3.8 mi. E. of, near NW. cor. sec. 31, T. 21 N., R. 14 W., 30 ft. S. and 25 ft. E. from junction of T-rd. E., 25 ft. E. of junction of T-rd. W., at fence corner, in root on NW. side of 27-in. cottonwood tree; copper nail and washer-----	752. 62

[Connects with line 7 in Urbana quadrangle]

^a In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "K 24 1935," elevation 748.561 ft.

5. From point 1.9 miles west of Ogden north along range-line road 7.7 miles, thence west along township-line road 0.3 mile to point 1 mile south and 3.1 miles east from Flatville (by G. W. Moore in 1930)

Ogden, 1.9 mi. W. thence 2.0 mi. N. from, near NE. cor. sec. 6, T. 19 N., R. 11 E., about 605 ft. W. of crossroads, 615 ft. E. of intersection of Chicago & Eastern Illinois Ry., 20 ft. S. of rd., in root on N. side of 22-in. cottonwood tree; copper nail and washer-----	<i>Feet</i> 681. 67
Ogden, 1.9 mi. W. thence 3.0 mi. N. from, at Union School, 2.5 mi. S. and 1.5 mi. W. from Royal, near NE. cor. sec. 31, T. 20 N., R. 11 E., 57 ft. S. of junction of T-rd. E., 125 ft. S. and 31 ft. W. from junction of T-rd. W., 3 ft. NE. of SE. corner of schoolyard, in concrete post; standard tablet stamped "9 M 1930"-----	681. 543
Reference mark, 36 ft. NW. of tablet, on SE. corner of pump platform; chiseled square-----	682. 96
Royal, 2.0 mi. S. and 1.3 mi. W. from, near E $\frac{1}{4}$ cor. sec. 30, T. 20 N., R. 11 E., in NW. angle of junction of T-rd. W., on N. end of W. head wall of concrete culvert; chiseled square-----	674. 37
Royal, 1.0 mi. S. and 1.3 mi. W. from, near W $\frac{1}{4}$ cor. sec. 19, T. 20 N., R. 14 W., 25 ft. N. and 55 ft. E. from junction of T-rd. E., at third clump of hedge trees from corner, in root on S. side of 5-in. Osage-orange tree; copper nail and washer-----	676. 6.
Royal, 0.5 mi. S. thence 1.3 mi. W. from, near SW. cor. sec. 18, T. 20 N., R. 14 W., at Pleasant Valley School, 70 ft. N. and 25 ft. E. from junction of T-rd. E., 270 ft. S. of junction of T-rd. W., 80 ft. W. of schoolhouse, in root on W. side of multiple maple tree; copper nail and washer-----	676. 98
Royal, 0.5 mi. N. and 1.3 mi. W. from, near NE. cor. sec. 18, T. 20 N., R. 11 E., 100 ft. N. and 30 ft. W. from junction of T-rd. E., in concrete post; standard tablet stamped "10 M 1930"-----	674. 897
Reference mark, 300 ft. N. of tablet, 20 ft. N. and 18 ft. E. from junction of T-rd. W., 8.6 ft. E. of SE. corner of iron bridge over drainage ditch, on S. end of concrete breakwater; chiseled square-----	671. 84
Royal, 1.5 mi. N. and 1.3 mi. W. from, near NW. cor. sec. 7, T. 20 N., R. 14 W., 55 ft. S. and 25 ft. E. from junction of T-rd. E., 565 ft. S. of junction of T-rd. W., in root on NW. side of 36-in. willow tree; copper nail and washer-----	685. 04
Royal, 2.2 mi. N. and 1.4 mi. W. from, 1.0 mi. S. thence 3.2 mi. E. from Flatville, 0.22 mi. E. of SW. cor. sec. 31, T. 21 N., R. 11 E., 0.16 mi. W. of NE. cor. sec. 6, T. 20 N., R. 11 E., 33 ft. N. and 820 ft. W. from junction of T-rd. S., 1,145 ft. E. of T-rd. N., at E. edge of private drive N. to house, in root on S. side of 36-in. cottonwood tree; copper nail and washer-----	705. 51

[Connects with line 7 in Urbana quadrangle]

6. From Higginsville east and north along roads to point 0.4 mile north and 0.7 mile east from Higginsville (by G. W. Moore in 1930)

Higginsville, 0.5 mi. E. of, near center of SE $\frac{1}{4}$ sec. 25, T. 21 N., R. 12 W., 25 ft. E. of curved rd., 30 ft. S. and 30 ft. E. from fence corner, in root on NW. side of 8-in. catalpa tree; copper nail and washer-----	668. 26
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[Continued in Potomac quadrangle, line 2]

FLANAGAN QUADRANGLE

[Latitude 40°45'–41°00'; longitude 88°45'–89°00']

LA SALLE, LIVINGSTON, McLEAN, AND WOODFORD COUNTIES

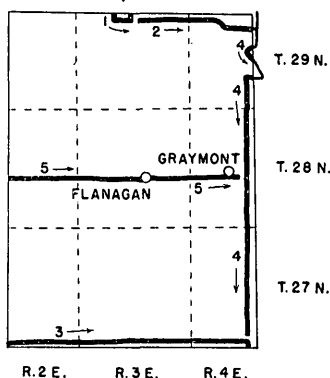


FIGURE 173.—Lines of leveling in Flanagan quadrangle.

1. From Long Point along roads south, east, and north to point 1 mile east of Long Point (by G. F. Williams in 1924)

[A jog from Streator quadrangle, line 7]

Long Point, 0.3 mi. S. of S. limits of, at Miller Bridge over Long Point Creek, on SW. wing wall of S. concrete abutment; chiseled square---	<i>Feet</i> 629. 78
Long Point, 0.5 mi. S. of S. limits of, near quarter corner between secs. 8 and 9, T. 29 N., R. 3 E., at junction of T-rd. E., on concrete base of second fence post N. of telephone pole; chiseled square-----	639. 50
Long Point, 0.5 mi. S. and 1.0 mi. E. from, near E¼ cor. sec. 9, T. 29 N., R. 3 E., 275 ft. W. of crossroads, on N. side of rd., 3 ft. N. of fence, in root on S. side of large cottonwood tree; copper nail and washer--	633. 47

[Continued in Streator quadrangle, line 7]

2. From crossroads 0.5 mile south and 1 mile east from Long Point east along roads to point 1.1 miles west of Cornell (by G. F. Williams in 1924)

Long Point, 0.5 mi. S. and 2.0 mi. E. from, near W¼ cor. sec. 11, T. 29 N., R. 3 E., 25 ft. N. and 50 ft. E. from crossroads, 45 ft. SW. of SW. corner of Lutheran Church, in concrete post; standard tablet stamped "Prim Trav Sta No 68 Mac 1923 W 22"-----	627. 682
Reference mark, on N. side of rd., in front of church, on E. head wall of concrete culvert; chiseled square-----	627. 72
Long Point, 0.5 mi. S. and 3.0 mi. E. from, near E¼ cor. sec. 11, T. 29 N., R. 3 E., in NW. angle of crossroads, on top of W. head wall of small concrete culvert under rd. N.; chiseled square-----	626. 05
Long Point, 0.5 mi. S. and 4.0 mi. E. from, near W¼ cor. sec. 7, T. 29 N., R. 4 E., in SE. angle of crossroads, in root on W. side of second hedge tree from corner of rail fence; copper nail and washer-----	619. 65

1016 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Long Point, 0.5 mi. S. and 4.2 mi. E. from, at iron bridge over Mole Creek, on S. wing wall of E. concrete abutment; chiseled square—	<i>Feet</i> 615.15
Long Point, 0.5 mi. S. and 4.5 mi. E. from, near center of sec. 7, T. 29 N., R. 4 E., 30 ft. N. and 25 ft. W. from junction of private rd. N., 8 ft. W. of concrete fence post, in concrete post; standard tablet stamped "Prim Trav Sta No 67 Mac 1923 W 23"-----	619.010
Reference mark, at small concrete culvert under private rd. N., on top of W. head wall; chiseled square-----	618.66
Long Point, 0.5 mi. S. and 5.5 mi. E. from, near center of sec. 8, T. 29 N., R. 4 E., 90 ft. E. of junction of T-rd. N., 80 ft. SW. of SW. corner of Short Point District 64 School, in S. row of trees, in root on S. side of second catalpa tree from schoolhouse; copper nail and washer-----	618.94
Long Point, 0.8 mi. S. and 5.7 mi. E. from, 2.8 mi. W. of Cornell, 0.3 mi. W. of E. cor. secs. 8 and 17, T. 29 N., R. 4 E., at iron bridge over Short Point Creek, on S. end of W. concrete abutment, 2 in. S. of bridge seat; chiseled square-----	593.78
Cornell, 2.2 mi. W. of, near S $\frac{1}{4}$ cor. sec. 9, T. 29 N., R. 4 E., 30 ft. E. of junction of T-rd. S., on N. side of rd., on top of W. head wall of small concrete culvert under driveway to field; chiseled square-----	614.98
Cornell, 1.9 mi. W. of, in SE $\frac{1}{4}$ sec. 9, T. 29 N., R. 4 E., at W. abutment of J. M. Bradley Bridge over Vermilion River, on top of NW. wing wall, 2 ft. SE. of NW. end; chiseled square (recovered in 1934)-----	610.68

[Continued in Pontiac quadrangle, line 1]

3. From point 1 mile north and 0.8 mile east from El Paso east along Livingston-McLean county-line road to crossroads at north corner secs. 3 and 4, T. 26 N., R. 4 E., thence south 0.4 mile to point 0.6 mile north and 1.9 miles west from Chenoa (by C. E. Walker in 1925)

[Continued from Danvers quadrangle, line 3]⁴⁸

El Paso, 1.0 mi. N. and 1.0 mi. E. from, near S $\frac{1}{4}$ cor. sec. 33, T. 27 N., R. 2 E., on N. side of rd., near farmhouse, on concrete culvert; chiseled square-----	712.51
T. 27 N., R. 2 E., near SE. cor. sec. 35, 85 ft. NE. of crossroads, in hedge row, in concrete post; standard tablet stamped "7 WA 1935"-----	733.017
Reference mark, 40 ft. SE. of crossroads, on concrete culvert; chiseled square-----	732.78
T. 26 N., R. 3 E., near NW. cor. sec. 6, 230 ft. E. of crossroads, at farmhouse, in root on NW. side of 24-in. maple tree; copper nail and washer-----	728.56
T. 26 N., R. 3 E., near NW. cor. sec. 5, 25 ft. S. of junction of T-rd. N., at fence line, in concrete post; standard tablet stamped "8 WA 1925" ⁴⁴ -----	727.738
Reference mark, 52 ft. NW. of rd. junction, in root on S. side of 18-in. poplar tree; copper nail and washer-----	729.06
T. 26 N., R. 3 E., near NW. cor. sec. 4, 0.7 mi. N. thence 0.5 mi. W. from Gridley, 33 ft. SE. of crossroads, on concrete culvert; chiseled square ⁴⁴ -----	734.56

⁴⁸ This line crosses the southeast corner of Minonk quadrangle but no bench marks were established along that portion of the line.

⁴⁴ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "E 43 1934," elevation 751.914 ft.

T. 26 N., R. 3 E., near NE. cor. sec. 4, at Gridley Township Cemetery, 36 ft. SW. of crossroads, on top of S. end of concrete culvert; chiseled square-----	<i>Feet</i> 757. 28
T. 27 N., R. 3 E., near SW. cor. sec. 35, 52 ft. NE. of crossroads, in hedge row, in concrete post; standard tablet stamped "9 WA 1925"-----	743. 701
Reference mark, 37 ft. SE. of crossroads, on concrete wing wall of culvert; chiseled square-----	743. 33
T. 26 N., R. 4 E., near NW. cor. sec. 6, 28 ft. SE. of crossroads, on S. wing wall of small bridge; chiseled square-----	738. 47
T. 26 N., R. 4 E., near NE. cor. sec. 6, 1.0 mi. N. and 3.9 mi. W. from Chenoa, 58 ft. SW. of crossroads, at fence corner, in concrete post; standard tablet stamped "10 WA 1925" ⁴⁵ -----	731. 282
Reference mark, 19 ft. NE. of tablet, 39 ft. SW. of crossroads, on concrete culvert; chiseled square-----	730. 68
Chenoa, 1.0 mi. N. and 2.9 mi. W. from, near NE. cor. sec. 5, T. 26 N., R. 4 E., in SW. angle of crossroads, on W. end of concrete culvert; chiseled square-----	721. 63
Chenoa, 1.9 mi. W. thence 1.0 mi. N. from, near NW. cor. sec. 3, T. 26 N., R. 4 E., in SE. angle of offset crossroads, on S. end of concrete culvert under E.-W. rd.; chiseled square (recovered in 1934)-----	717. 71

[Continued in Normal quadrangle, line 4]

4. From point 1 mile south and 1.1 miles west from Cornell west and south along roads to crossroads 1 mile north and 1.9 miles west from Chenoa (by I. B. Pearce in 1934)

[Continued from Pontiac quadrangle, line 5]

Cornell, 1.0 mi. S. and 1.2 mi. W. from, 0.25 mi. W. of quarter corner between secs. 15 and 22, T 29 N., R. 4 E., at E. end of bridge over Vermillion River, on top of SE. wing wall; chiseled square-----	604. 66
Cornell, 1.6 mi. S. and 1.2 mi. W. from, 0.25 mi. W. of center of sec. 22, T. 29 N., R. 4 E., on S. side of E.-W. rd., in line with rd. N., 1 ft. N. of fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 8 1934"-----	610. 928
Reference mark, 480 ft. SW. of tablet, 200 ft. S. of rd. W., 3 ft. E. of fence, in root of tree; nail-----	619. 77
Cornell, 2.5 mi. S. and 1.5 mi. W. from, 1.0 mi. E. thence 5.0 mi. N. from Graymont, near W $\frac{1}{4}$ cor. sec. 27, T. 29 N., R. 4 E., 25 ft. S. and 30 ft. E. from junction of T-rd. S., in field, in concrete post; standard tablet stamped "Prim Trav Sta No 65 Mac 1923"-----	628. 655
Graymont, 1.0 mi. E. thence 4.4 mi. N. from, 0.1 mi. S. of N $\frac{1}{4}$ cor. secs. 33 and 34, T. 29 N., R. 4 E., 30 ft. E. of center line of rd., on W. side of 24-in. hackberry tree; nail-----	637. 59
Graymont, 1.0 mi. E. thence 3.4 mi. N. from, near NE. cor. sec. 4, T. 28 N., R. 4 E., 385 ft. S. of crossroads, 25 ft. W. of center line of rd., on W. side of 24-in. poplar tree; nail-----	640. 55
Graymont, 1.0 mi. E. thence 2.5 mi. N. from, near NE. cor. sec. 9, T. 28 N., R. 4 E., 44 ft. S. and 20 ft. W. from crossroads, at corner of school-yard fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 9 1934"-----	634. 393

⁴⁵ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "A 43 1934," elevation 746.137 ft.

Graymont, 1.0 mi. E. thence 1.5 mi. N. from, near NE. cor. sec. 16, T. 28 N., R. 4 E., 40 ft. S. and 20 ft. W. from crossroads, 17 ft. S. of corner post, 4 ft. S. of iron gatepost, in concrete post; standard tablet stamped "Prim Trav Sta No 64 Mac 1923"-----	<i>Feet</i> 640.260
Graymont, 1.0 mi. E. thence 0.5 mi. N. from, near SW. cor. sec. 15, T. 28 N., R. 4 E., 20 ft. N. and 15 ft. E. from crossroads, on E. head wall of small culvert; chiseled square-----	644.25
Graymont, 1.0 mi. E. of, near E $\frac{1}{4}$ cor. sec. 21, T. 28 N., R. 4 E., 20 ft. N. and 31 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 85 T 1924"-----	651.750
Graymont, 1.0 mi. E. thence 0.5 mi. S. from, near NW. cor. sec. 27, T. 28 N., R. 4 E., in SE. angle of crossroads, on head wall of culvert; chiseled square-----	652.65
Graymont, 1.0 mi. E. thence 1.5 mi. S. from, near NE. cor. sec. 33, T. 28 N., R. 4 E., 90 ft. S. and 30 ft. W. from crossroads, 20 ft. S. of gate at entrance to schoolhouse, in concrete post; standard tablet stamped "Prim Trav Sta No 63 Mac 1923"-----	659.737
Graymont, 1.0 mi. E. thence 2.5 mi. S. from, near NW. cor. sec. 3, T. 27 N., R. 4 E., in SE. angle of offset crossroads, 28 ft. S. and 22 ft. E. from junction of rd. S., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 10 1934"-----	667.393
Graymont, 1.0 mi. E. thence 3.5 mi. S. from, near SW. cor. sec. 3, T. 27 N., R. 4 E., 25 ft. N. and 15 ft. E. from crossroads, on E. head wall of small culvert; chiseled square-----	673.47
Graymont, 1.0 mi. E. thence 4.5 mi. S. from, near SW. cor. sec. 10, T. 27 N., R. 4 E., 70 ft. N. and 30 ft. E. from crossroads, opposite dwelling, in concrete post; standard tablet stamped "Prim Trav Sta No 62 Mac 1923"-----	687.602
Graymont, 1.0 mi. E. thence 5.5 mi. S. from, near NW. cor. sec. 22, T. 27 N., R. 4 E., 29 ft. S. and 38 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 11 1934"-----	680.140
Graymont, 1.0 mi. E. thence 6.5 mi. S. from, near SE. cor. sec. 21, T. 27 N., R. 4 E., 260 ft. N. of crossroads, on top of SW. wing wall of bridge; chiseled square-----	692.04
Graymont, 1.0 mi. E. thence 7.5 mi. S. from, 2.0 mi. N. and 1.9 mi. W. from Chenoa, near NW. cor. sec. 34, T. 27 N., R. 4 E., 40 ft. S. and 30 ft. E. from crossroads, opposite schoolhouse, in concrete post; standard tablet stamped "Prim Trav Sta No 61 Mac 1923"---	706.997

5. From point on Illinois Central Railroad 2 miles south and 2 miles east from Minonk east along railroad to point 1.4 miles east of Graymont (by I. B. Pearce in 1934)

[Continued from Minonk quadrangle, line 9]

Flanagan, 6.5 mi. W. of, 2.0 mi. S. and 2.5 mi. E. from Minonk, near E $\frac{1}{4}$ cor. sec. 21, T. 28 N., R. 2 E., 88 ft. N. and 33 ft. W. from rd. crossing, 2 ft. from right-of-way fence, in concrete post; standard tablet stamped "Prim Trav Sta No 81 T 1924"-----	748.314
Flanagan, 5.5 mi. W. of, near E $\frac{1}{4}$ cor. sec. 22, T. 28 N., R. 2 E., 28 ft. N. and 49 ft. W. from rd. crossing, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 2 1934"-----	745.805
Flanagan, 4.5 mi. W. of, near W $\frac{1}{4}$ cor. sec. 24, T. 28 N., R. 2 E., 40 ft. S. and 180 ft. E. from rd. crossing, on top of W. end of N. head wall of highway culvert; chiseled square-----	726.36

Flanagan, 3.5 mi. W. of, near E $\frac{1}{4}$ cor. sec. 24, T. 28 N., R. 2 E., at Livingston-Woodford county line, 48 ft. S. and 33 ft. W. from rd. crossing, in concrete post; standard tablet stamped "Prim Trav Sta No 82 T 1924"-----	<i>Feet</i> 722.544
Flanagan, 2.5 mi. W. of, near E $\frac{1}{4}$ cor. sec. 19, T. 28 N., R. 3 E., 28 ft. N. and 35 ft. W. from rd. crossing, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 3 1934"-----	700.188
Flanagan, 0.5 mi. W. of, near E $\frac{1}{4}$ cor. sec. 21, T. 28 N., R. 3 E., 38 ft. N. and 36 ft. W. from rd. crossing, in concrete post; standard tablet stamped "Prim Trav Sta No 83 T 1924"-----	682.590
Flanagan, 0.5 mi. E. of, near W $\frac{1}{4}$ cor. sec. 23, T. 28 N., R. 3 E., 46 ft. N. and 38 ft. E. from rd. crossing, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 4 1934"-----	665.723
Flanagan, 1.6 mi. E. of, near W $\frac{1}{4}$ cor. sec. 24, T. 28 N., R. 3 E., 35 ft. N. and 540 ft. E. from rd. crossing, in root of tree; nail-----	664.80
Flanagan, 2.5 mi. E. of, 1.0 mi. W. of Graymont, near E $\frac{1}{4}$ cor. sec. 24, T. 28 N., R. 3 E., 38 ft. N. and 31 ft. W. from rd. crossing; in concrete post; standard tablet stamped "Prim Trav Sta No 84 T 1924"-----	653.335
Graymont, 0.19 mi. W of E $\frac{1}{4}$ cor. sec. 20, T. 28 N., R. 4 E. and highway crossing, 472 ft. E. of switch at W. end of siding, 36 ft. N. of track, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 5 1934"-----	653.453

[Continued in Pontiac quadrangle, line 4]

GIBSON CITY QUADRANGLE

[Latitude 40°15'–40°30'; longitude 88°15'–88°30']

CHAMPAIGN, FORD, McLEAN, AND PIATT COUNTIES

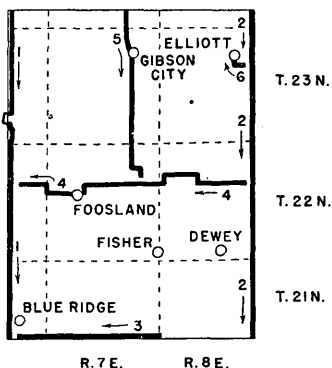


FIGURE 174.—Lines of leveling in Gibson City quadrangle.

1. From point 2.5 miles north and 6.5 miles west from Gibson City south along roads to point 1.2 miles south and 0.5 mile west from Blue Ridge (by S. R. Archer in 1924)

[Continued from Strawn quadrangle, line 1]

Gibson City, 1.5 mi. N. and 6.6 mi. W. from, 0.12 mi. W. of SE. cor. sec. 34, T. 24 N., R. 6 E., about 635 ft. W. of rd. N., 580 ft. W. of junction of rd. S., on N. side of rd. W., 25 ft. E. of concrete culvert, in field, 6 ft. N. of fence, in root on SE. side of 30-in. cottonwood tree; copper nail and washer-----	Feet 848.66
Gibson City, 0.5 mi. N. and 6.5 mi. W. from, 1.5 mi. E. thence 3.0 mi. N. from Saybrook, near SW. cor. sec. 2, T. 23 N., R. 6 E., 30 ft. N. and 35 ft. E. from crossroads, 8 ft. E. of fence corner, in concrete post; standard tablet stamped "54 A 1924" ⁴⁶ -----	833.372
Reference mark, 4 ft. N. and 52 ft. E. from tablet, 35 ft. N. and 90 ft. E. from crossroads, 60 ft. E. of fence corner, in field, in root on W. side of 24-in. catalpa tree; copper nail and washer-----	834.69
Saybrook, 1.5 mi. E. thence 2.2 mi. N. from, 0.24 mi. N. of SW. cor. sec. 11, T. 23 N., R. 6 E., at highway bridge over creek, on top near center of E. wing wall of S. concrete abutment; chiseled square----	825.98
Saybrook, 1.5 mi. E. thence 1.6 mi. N. from, 0.14 mi. N. of W ¹ / ₄ cor. sec. 14, T. 23 N., R. 6 E., 0.14 mi. N. of crossroads, at concrete culvert under highway, on S. end of E. head wall; chiseled square--	853.39
Saybrook, 1.5 mi. E. thence 0.5 mi. N. from, near E ¹ / ₄ cor. sec. 22, T. 23 N., R. 6 E., on W. side of rd., opposite private rd. E., 15 ft. N. of fence corner, in root on W. side of 6-in. wild-cherry tree; copper nail and washer-----	858.61

⁴⁶ In 1939 this bench mark was reported destroyed.

Saybrook, 1.5 mi. E. of, near SW. cor. sec. 23, T. 23 N., R. 6 E., 35 ft. N. and 20 ft. E. from crossroads, 10 ft. N. of fence corner, in concrete post; standard tablet stamped "55 A 1924"-----	<i>Feet</i> 833. 238
Reference mark, 260 ft. N. of crossroads, on W. side of rd., in barn lot, in root on W. side of southernmost of two 10-in. locust trees 12 ft. apart; copper nail and washer-----	839. 89
Saybrook, 1.5 mi. E. thence 0.6 mi. S. from, near E $\frac{1}{4}$ cor. sec. 27, T. 23 N., R. 6 E., 200 ft. W. of junction of E.-W. rd., on N. side of rd., on field side of fence, in root on N. side of 24-in. wild-cherry tree; copper nail and washer-----	805. 81
Saybrook, 1.0 mi. S. and 1.4 mi. E. from, near SE. cor. sec. 27, T. 23 N., R. 6 E., 25 ft. N. and 30 ft. E. from right-angle bend S. in rd., in field N. of rd., 5 ft. N. and 10 ft. E. from fence corner, 15 ft. W. of 24-in. rock-elm tree, in root on NE. side of 15-in. elm tree; copper nail and washer-----	768. 34
Saybrook, 1.8 mi. S. and 1.5 mi. E. from, 0.25 mi. S. of E $\frac{1}{4}$ cor. sec. 34, T. 23 N., R. 6 E., at jog in N.-S. rd., 170 ft. W. of junction of rd. N., 45 ft. E. of rd. S., on S. side of E.-W. rd., 25 ft. E. of fence corner, in root on NW. side of 24-in. hackberry tree; copper nail and washer-----	766. 54
Saybrook, 2.5 mi. S. and 1.5 mi. E. from, 2.0 mi. N. and 3.5 mi. W. from Foosland, near E $\frac{1}{4}$ cor. sec. 3, T. 22 N., R. 6 E., 35 ft. S. and 20 ft. W. from crossroads, 10 ft. S. of fence corner, in concrete post; standard tablet stamped "56 A 1924"-----	758. 434
Reference mark, in NW. angle of crossroads, at fence corner, in root on W. side of 10-in. Osage-orange tree; copper nail and washer-----	760. 15
Foosland, 1.3 mi. N. and 3.5 mi. W. from, 0.25 mi. N. of W $\frac{1}{4}$ cor. sec. 11, T. 22 N., R. 6 E., on E. side of rd., in yard of farmhouse of J. J. Cundiff, 20 ft. S. of gate in yard fence, 35 ft. N. of garage, in root on W. side of 30-in. maple tree; copper nail and washer-----	762. 44
Foosland, 0.5 mi. N. and 3.5 mi. W. from, near NW. cor. sec. 14, T. 22 N., R. 6 E., in SE. angle of crossroads, on S. head wall of concrete culvert under rd. E.; chiseled square (recovered in 1930)-----	753. 26
Illinois Central R. R., at crossing; top of rail-----	751. 4
Foosland, 0.4 mi. S. and 3.5 mi. W. from, 560 ft. N. of SW. cor. sec. 14, T. 22 N., R. 6 E., 560 ft. N. of crossroads, on E. side of rd., 15 ft. S. of concrete walk to McNulty farmhouse, outside yard fence, in root on SW. side of 12-in. maple tree; copper nail and washer-----	747. 36
Foosland, 1.5 mi. S. and 3.5 mi. W. from, 0.2 mi. N. and 1.5 mi. E. from Bellflower, near NE. cor. sec. 27, T. 22 N., R. 6 E., 30 ft. S. and 27 ft. W. from junction of T-rd. N., 45 ft. W. of section-line fence S., at fence line on S. side of rd., in line with fence on W. side of rd. N., in concrete post; standard tablet stamped "57 A 1924" ⁴⁵ -----	746. 413
Reference mark, 30 ft. S. and 35 ft. E. from rd. junction, 5 ft. E. of section-line fence, on W. side of private rd. S. to farmhouse, in root on W. side of easternmost of two 48-in. cottonwood trees 6 ft. apart; copper nail and washer-----	747. 58
Bellflower, 0.8 mi. S. and 1.5 mi. E. from, near NE. cor. sec. 34, T. 22 N., R. 6 E., in SW. angle of junction of T-rd. S., on W. concrete head wall of drain pipe under rd. S.; chiseled square-----	738. 68

⁴⁷ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "R 39 1934," elevation 770.015 ft.

⁴⁸ This bench mark apparently was disturbed by frost. The elevation given is about 1.5 ft. higher than that originally determined.

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	<i>Feet</i>
Illinois Central R. R., at crossing; top of rail-----	745. 6
Bellflower, 2.0 mi. S. and 1.5 mi. E. from, 700 ft. S. of NE. cor. sec. 3, T. 21 N., R. 6 E., 700 ft. S. of crossroads, in fence line on W. side of rd., in root on SE. side of 15-in. Osage-orange tree; copper nail and washer-----	748. 93
Bellflower, 2.8 mi. S. and 1.5 mi. E. from, 1.5 mi. W. of Osman, 0.5 mi. W. thence 2.0 mi. N. from Blue Ridge, near NW. cor. sec. 11, T. 21 N., R. 6 E., 25 ft. S. of fence corner, in concrete post; standard tablet stamped "58 A 1924"-----	760. 422
Reference mark, 160 ft. W. of tablet, 140 ft. W. of crossroads, on S. side of rd., in root on S. side of 24-in. Osage-orange tree; copper nail and washer-----	762. 97
Blue Ridge, 0.5 mi. W. thence 1.0 mi. N. from, near W. cor. secs. 11 and 14, T. 21 N., R. 6 E., at Piatt-McLean county line, on E. side of rd., on S. side of private rd. E., in E.-W. section-line fence, in root on N. side of 6-in. Osage-orange tree; copper nail and washer-----	781. 70
Blue Ridge, 0.5 mi. W. of, near NW. cor. sec. 23, T. 21 N., R. 6 E., in SE. angle of crossroads, 8 ft. E. of fence corner, in root on SW. side of 48-in. cottonwood tree; copper nail and washer-----	804. 14
Blue Ridge, 0.5 mi. W. thence 1.0 mi. S. from, near SE. cor. sec. 22, T. 21 N., R. 6 E., at offset crossroads, 30 ft. W. of N.-S. rd., 57 ft. N. of junction of rd. E., 35 ft. N. of rd. W., 20 ft. N. of fence, in con- crete post; standard tablet stamped "B 17 1924" (recovered in 1930)-----	788. 481
Reference mark, 135 ft. S. of tablet, 80 ft. S. and 35 ft. W. from crossroads, in root on E. side of three-forked maple tree; copper nail and washer-----	792. 65
[Continued in Mahomet quadrangle, line 4]	
2. From point 2.4 miles north and 1 mile east from Elliott south along roads to point 4.7 miles south and 1.5 miles east from Dewey (by S. R. Archer in 1924; last 8.2 miles leveled twice)	
[Connects with line 1 in Strawn quadrangle]	
Elliott, 1.5 mi. N. and 1.0 mi. E. from, at N. cor. secs. 1 and 2, T. 23 N., R. 8 E., 15 ft. S. of T-rd. W., 25 ft. W. of stone marking S. cor. secs. 35 and 36, T. 24 N., R. 8 E., on stone marking section corner; chiseled square-----	744. 41
Elliott, 0.5 mi. N. and 1.0 mi. E. from, at Oregon School, near NE. cor. sec. 11, T. 23 N., R. 8 E., 55 ft. S. and 75 ft. W. from cross- roads, 30 ft. S. and 50 ft. W. from NE. corner of schoolyard, at NE. corner of schoolhouse, on N. face of concrete block foundation, on third layer of blocks from top of wall; chiseled cross-----	764. 11
Illinois Central R. R., at crossing; top of rail-----	763. 3
Elliott, 0.5 mi. S. and 1.0 mi. E. from, near NE. cor. sec. 14, T. 23 N., R. 8 E., 28 ft. S. and 25 ft. W. from intersection of State Highway 9, in fence corner, in concrete post; aluminum tablet stamped "Prim Trav Sta No 13 Mac 1923 A 47" (recovered in 1936)-----	766. 885
Reference mark, in SE. angle of crossroads, in fence corner, in root 6 in. underground on SW. side of 15-in. walnut tree; copper nail and washer-----	766. 70
Elliott, 1.5 mi. S. and 1.0 mi. E. from, at Oakland School, near SE. cor. sec. 14, T. 23 N., R. 8 E., 30 ft. N. and 55 ft. W. from crossroads, 5 ft. N. and 25 ft. W. from SE. corner of schoolyard, at E. side of walk to front entrance, in root on S. side of 15-in. maple tree; copper nail and washer-----	774. 57

Elliott, 2.6 mi. S. and 1.0 mi. E. from, at Pontoppidan Lutheran Church, 500 ft. S. of NW. cor. sec. 25, T. 23 N., R. 8 E., 500 ft. S. of crossroads, on E. side of rd., 50 ft. S. and 4 ft. E. from SW. corner of church, 35 ft. E. of SW. corner of churchyard, in root on N. side of forked tree; copper nail and washer-----	<i>Feet</i> 806. 09
Elliott, 3.5 mi. S. and 1.0 mi. E. from, at Bunch School, near SW. cor. sec. 25, T. 23 N., R. 8 E., 30 ft. N. and 30 ft. E. from crossroads, 4 ft. N. of SW. corner of schoolyard, in concrete post; aluminum tablet stamped "Prim Trav Sta No 14 Mac 1923 A 48"-----	794. 641
Reference mark, 105 ft. E. of tablet, 18 ft. N. and 10 ft. W. from SE. corner of schoolyard, 40 ft. N. and 130 ft. E. from crossroads, in root on NW. side of 24-in. maple tree; copper nail and washer-----	797. 18
Elliott, 4.5 mi. S. and 1.0 mi. E. from, near SE. cor. sec. 35, T. 23 N., R. 8 E., in NW. angle of crossroads, on N. head wall of concrete culvert under rd. W.; chiseled square-----	746. 94
Elliott, 5.5 mi. S. and 1.0 mi. E. from, at Amity School, near NW. cor. sec. 12, T. 22 N., R. 8 E., in SE. angle of crossroads, at S. end of concrete culvert under rd. E., on N.-S. wing wall; chiseled square-----	724. 09
Elliott, 6.5 mi. S. and 1.0 mi. E. from, 3.5 mi. N. and 1.5 mi. E. from Dewey, near NE. cor. sec. 14, T. 22 N., R. 8 E., 20 ft. S. and 22 ft. W. from crossroads, 3 ft. S. of fence corner, in concrete post; aluminum tablet stamped "Prim Trav Sta No 15 Mac 1923 A 49"---	723. 150
Dewey, 2.6 mi. N. and 1.5 mi. E. from, 440 ft. N. of SE. cor. sec. 14, T. 22 N., R. 8 E., 440 ft. N. of crossroads, on W. side of rd., 40 ft. N. of farmhouse, on S. side of driveway, in root on E. side of 20-in. maple tree; copper nail and washer-----	723. 61
Dewey, 1.7 mi. N. and 1.5 mi. E. from, 0.22 mi. N. of S. cor. secs. 23 and 24, T. 22 N., R. 8 E., 0.22 mi. N. of crossroads, at SE. corner of concrete bridge, at foot on W. side at S. end of E. guard wall, on curb; chiseled square-----	722. 92
Dewey, 0.5 mi. N. and 1.5 mi. E. from, near SW. cor. sec. 25, T. 22 N., R. 8 E., 35 ft. N. and 30 ft. E. from crossroads, 3 ft. NW. of fence corner, in concrete post; aluminum tablet stamped "Prim Trav Sta No 16 Mac 1923 B 11"-----	720. 466
Reference mark, 253 ft. N. of tablet, on E. side of rd., in field, in root on SW. side of 54-in. cottonwood tree; copper nail and washer-----	720. 32
Illinois Central R. R., at crossing; top of S. rail-----	726. 9
Dewey, 0.5 mi. S. and 1.5 mi. E. from, near SW. cor. sec. 36, T. 22 N., R. 8 E., at offset crossroads, 30 ft. N. and 50 ft. E. from junction of rd. S., 30 ft. N. of junction of rd. N., in center line of rd. N., in root on W. side of 36-in. cottonwood tree; copper nail and washer--	731. 23
Dewey, 1.5 mi. S. and 1.5 mi. E. from, at Mounts School, near NE. cor. sec. 11, T. 21 N., R. 8 E., 220 ft. S. and 45 ft. W. from junction of T-rd. E., on NW. corner of concrete floor of schoolhouse porch; chiseled square-----	720. 96
Dewey, 2.5 mi. S. and 1.5 mi. E. from, near NE. cor. sec. 14, T. 21 N., R. 8 E., 38 ft. S. and 18 ft. W. from stone marking section corner, in SW. angle of crossroads, 15 ft. S. of fence corner, in concrete post; aluminum tablet stamped "Prim Trav Sta No 17 Mac 1923 B 12"-----	730. 221
Dewey, 2.9 mi. S. and 1.5 mi. E. from, 0.15 mi. N. of E $\frac{1}{4}$ cor. sec. 14, T. 21 N., R. 8 E., on W. side of rd., at top of rise, in fence line, in root on E. side of 10-in. ash tree; copper nail and washer-----	743. 99

1024 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Dewey, 3.5 mi. S. and 1.5 mi. E. from, at Little Star School, near SE. cor. sec. 14, T. 21 N., R. 8 E., 180 ft. N. and 45 ft. W. from crossroads, near entrance to schoolhouse, on N. edge of concrete walk, 14 in. from building; chiseled square-----	<i>Feet</i> 767. 20
Dewey, 4.5 mi. S. and 1.5 mi. E. from, near NW. cor. sec. 25, T. 21 N., R. 8 E., 25 ft. S. and 45 ft. E. from junction of T-rd. E., 15 ft. E. of fence corner, in root on NW. side of 12-in. hedge tree; copper nail and washer-----	772. 12

[Continued in Mahomet quadrangle, line 8]

3. From point 4.7 miles south of Fisher along roads north 0.2 mile, thence west to point 1 mile south and 0.5 mile west from Blue Ridge (by W. R. Broadus in 1924)

[Continued from Mahomet quadrangle, line 6]

Fisher, 4.6 mi. S. of, near NE. cor. sec. 25, T. 21 N., R. 7 E., 380 ft. S. and 20 ft. W. from junction of T-rd. W., in fence line along N-S. rd., in root on NE. side of 30-in. wild-cherry tree; copper nail and washer-----	706. 58
Fisher, 4.5 mi. S. thence 1.0 mi. W. from, near SW. cor. sec. 24, T. 21 N., R. 7 E., 15 ft. N. and 150 ft. E. from crossroads, in root on S. side of 36-in. cottonwood tree; copper nail and washer-----	722. 38
Fisher, 4.5 mi. S. thence 1.5 mi. W. from, near N¼ cor. sec. 26, T. 21 N., R. 7 E., 40 ft. S. and 30 ft. E. from junction of T-rd. S., 35 ft. W. of NW. corner of farmhouse, in root on NW. side of 14-in. hickory tree; copper nail and washer-----	721. 37
Sangamon River; surface of water Sept. 23, 1924-----	678. 6
Fisher, 4.5 mi. S. thence 2.5 mi. W. from, 1.0 mi. S. and 5.0 mi. E. from Blue Ridge, near S¼ cor. sec. 22, T. 21 N., R. 7 E., 37 ft. N. and 26 ft. E. from crossroads, 10 ft. NW. of fence corner, in concrete post; standard tablet stamped "15 B 1924"-----	741. 521
Reference mark, 168 ft. S.65°W. from tablet, 22 ft. S. and 130 ft. W. from crossroads, in knot 18 in. above ground on W. side of large forked ash tree; copper nail and washer-----	742. 91
Blue Ridge, 1.0 mi. S. and 3.5 mi. E. from, near SW. cor. sec. 21, T. 21 N., R. 7 E., 55 ft. N. and 20 ft. E. from crossroads, in root on W. side of 24-in. maple tree; copper nail and washer-----	735. 96
Blue Ridge, 1.0 mi. S. and 2.5 mi. E. from, near NW. cor. sec. 29, T. 21 N., R. 7 E., 40 ft. S. and 23 ft. E. from crossroads, 16 ft. S. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "16 B 1924"-----	744. 337
Reference mark, 57.5 ft. N.20°W. from tablet, in NE. angle of crossroads, on NE. wing wall of concrete culvert; chiseled square-----	746. 20
Blue Ridge, 1.0 mi. S. and 1.5 mi. E. from, near SW. cor. sec. 19, T. 21 N., R. 7 E., at offset crossroads, 28 ft. N. and 27 ft. E. from junction of T-rd. E., 140 ft. N. of junction of T-rd. W., in root on E. side of 30-in. cottonwood tree; copper nail and washer-----	769. 58
Blue Ridge, 1.0 mi. S. and 0.5 mi. E. from, near SW. cor. sec. 24, T. 21 N., R. 6 E., 195 ft. N. and 23 ft. E. from crossroads, in root on SW side of 36-in. cottonwood tree; copper nail and washer-----	799. 92

4. From crossroads 3.5 miles north and 1.5 miles east from Dewey generally west along roads to point 0.5 mile north and 3.5 miles west from Foosland (by W. R. Broadbuss in 1924)

Dewey, 3.5 mi. N. and 0.3 mi. E. from, 0.19 mi. W. of NE. cor. sec. 15, T. 22 N., R. 8 E., 25 ft. S. of rd., in front of residence of Don Jones, 10 ft. S. and 25 ft. E. from NW. corner of yard, in root on N. side of 24-in. cottonwood tree; copper nail and washer-----	Feet 722. 98
Dewey, 3.5 mi. N. and 0.5 mi. W. from, near SE. cor. sec. 9, T. 22 N., R. 8 E., 360 ft. N. of crossroads, on W. wing wall of S. abutment of bridge; chiseled square-----	711. 52
Dewey, 3.5 mi. N. and 1.2 mi. W. from, 0.2 mi. W. of S $\frac{1}{4}$ cor. sec. 9, T. 22 N., R. 8 E., 35 ft. N. of rd., in front of farmhouse, 8 ft. NW. of front gate, in root on SE. side of 16-in. poplar tree; copper nail and washer-----	714. 24
Dewey, 4.0 mi. N. and 1.5 mi. W. from, 4.0 mi. N. and 2.0 mi. E. from Fisher, near E $\frac{1}{4}$ cor. sec. 8, T. 22 N., R. 8 E., 33 ft. S. and 21 ft. W. from junction of T-rd. W., 9 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "B 18 1924"-----	715. 529
Fisher, 4.0 mi. N. and 1.6 mi. E. from, about 400 ft. E. of center of sec. 8, T. 22 N., R. 8 E., 45 ft. N. of rd., 40 ft. E. of concrete walk leading to residence of Dan Zehr, in root on S. side of 30-in. maple tree; copper nail and washer-----	722. 46
Fisher, 4.0 mi. N. and 0.9 mi. E. from, near E $\frac{1}{4}$ cor. sec. 7, T. 22 N., R. 8 E., 45 ft. N. and 480 ft. W. from crossroads, 50 ft. S. of SE corner of farmhouse, in root on S. side of 30-in. maple tree; copper nail and washer-----	720. 91
Fisher, 4.0 mi. N. and 0.2 mi. E. from, about 0.25 mi. W. of center of sec. 7, T. 22 N., R. 8 E., 26 ft. N. and 60 ft. W. from rd. junction, about 50 ft. E. of mouth of small hollow, in fence line, in root on SW. side of 14-in. red-oak tree; copper nail and washer-----	714. 56
Fisher, 3.5 mi. N. and 0.2 mi. W. from, 0.5 mi. N. and 4.3 mi. E. from Foosland, about 750 ft. W. of SE. cor. sec. 12, T. 22 N., R. 7 E., 21 ft. N. and 100 ft. W. from rd. junction, on W. bank of Sangamon River, 88 ft. S. and 40 ft. E. from SE. corner of farmhouse, 3 ft. S. of fence, in concrete post; standard tablet stamped "19 B 1924"-----	712. 416
Reference mark, 163 ft. E. of tablet, at W. abutment of bridge, on N. wing wall, 3 ft. from abutment; chiseled square-----	710. 95
Sangamon River, under bridge; surface of water Sept. 29, 1924-----	699. 4
Foosland, 0.5 mi. N. and 3.5 mi. E. from, 6.5 mi. S. and 0.5 mi. E. from Gibson City, near SE. cor. sec. 11, T. 22 N., R. 7 E., 25 ft. N. and 100 ft. W. from crossroads, 63 ft. W. of fence corner, in root 6 in. underground on S. side of 8-in. hedge tree; copper nail and washer--	721. 93
Foosland, 0.5 mi. N. and 2.7 mi. E. from, about 0.22 mi. E. of NW. cor. sec. 14, T. 22 N., R. 7 E., at W. abutment of bridge over Old Slough, on SW. corner of S. wing wall; chiseled square-----	718. 14
Old Slough; surface of water Sept. 29, 1924-----	705. 9
Foosland, 0.5 mi. N. and 1.5 mi. E. from, near NW. cor. sec. 15, T. 22 N., R. 7 E., in SE. angle of offset crossroads, 28 ft. E. of N.-S. rd., 47 ft. S. of junction of rd. W., 23 ft. S. of rd. E., in concrete post; standard tablet stamped "20 B 1924"-----	731. 195
Reference mark, 48 ft. N. of tablet, in NE. angle of crossroads, in fence corner, in root on S. side of 24-in. ash tree; copper nail and washer--	731. 72

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Foosland, 0.5 mi. E. thence 0.5 mi. N. from, near SE. cor. sec. 8, T. 22 N., R. 7 E., 10 ft. N. of junction of N.-S. rd., in fence line along W. side of rd., in root on E. side of 24-in. hedge tree; copper nail and washer-----	<i>Feet</i> 735.85
Foosland, 440 ft. N. of Wabash Ry. sta., 30 ft. NW. of intersection of R. R. and E.-W. rd., in NE angle of junction of T.-rd. N., on E. head wall of concrete culvert; chiseled square ⁴⁹ -----	734.12
Foosland, 1.5 mi. W. of, near W¼ cor. sec. 18, T. 22 N., R. 7 E., 34 ft. N. and 60 ft. E. from junction of N.-S. rd., 5 ft. S. of hedge fence, 8 ft. SW. of 18-in. hedge tree, in concrete post; standard tablet stamped "21 B 1924" ⁴⁹ -----	733.866
Reference mark, 71 ft. S.15°E. from tablet, 32 ft. S. and 80 ft. E. from rd. junction, in root on N. side of 24-in. ash tree; copper nail and washer-----	733.26
Foosland, 1.5 mi. W. thence 0.5 mi. N. from, near NE. cor. sec. 13, T. 22 N., R. 6 E., in SW. angle of junction of T.-rd. W., on W. end of S. head wall of concrete culvert under rd. W.; chiseled square-----	737.71
Foosland, 2.5 mi. W. and 0.5 mi. N. from, near SE. cor. sec. 11, T. 22 N., R. 6 E., at Prairie Cottage School, 35 ft. N. and 35 ft. W. from crossroads, 10 ft. NW. of SE. corner of schoolyard, in root on N. side of 16-in. cottonwood tree; copper nail and washer-----	743.28
<p>5. From point 2.5 miles north of Gibson City south along Wabash Railway to Gibson City, thence south along roads to point 0.5 mile north and 3.5 miles east from Foosland (by W. R. Broadus in 1924)</p> <p>[Connects with line 1 in Strawn quadrangle]</p>	
Gibson City, 1.1 mi. N. of William Moyer Library, in NW¼ sec. 2, T. 23 N., R. 7 E., 750 ft. N. of intersection of E.-W. rd., on E. head wall of concrete culvert under N.-S. rd.; chiseled square-----	761.14
Gibson City, at Wabash Ry sta., in front of operator's window; top of rail-----	749.0
Gibson City, in NW. angle of intersection of Sangamon Avenue and West Tenth Street, 43 ft. S. and 47 ft. E. from entrance to William Moyer Library, 10 ft. N. and 4 ft. W. from sidewalk to SE. corner of lawn, 6 ft. E. of flagpole, in concrete post; standard tablet stamped "22 B 1924" (recovered by U. S. C. & G. S. in 1935)-----	751.586
Reference mark, 550 ft. E. of tablet, at Methodist Church, in NE. angle of intersection of East Tenth and North Church Streets, on W. end of third step in front of church; chiseled square-----	751.12
Gibson City, in SE. angle of intersection of Sangamon Avenue and East Eighth Street, at NW. corner of City Hall, on sidewalk; chiseled square-----	748.92
Gibson City, 280 ft. N. of S. city limits, 280 ft. N. and 30 ft. E. from crossroads, on N. head wall of concrete culvert under State Highway 9; chiseled square-----	738.80
Gibson City, 1.5 mi. S. of City Hall, near N¼ cor. sec. 23, T. 23 N., R. 7 E., 20 ft. S. and 110 ft. W. from crossroads, in root on NE. side of 24-in. maple tree; copper nail and washer-----	739.05
Gibson City, 2.5 mi. S. of, near N¼ cor. sec. 26, T. 23 N., R. 7 E., 45 ft. S. and 25 ft. E. from crossroads, 10 ft. S. of fence corner, in root on N. side of 24-in. maple tree; copper nail and washer--	733.16

⁴⁹ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "L 22 1935," elevation 739.894 ft.

Gibson City, 3.7 mi. S. of, about 0.25 mi. N. of center of sec. 25, T. 23 N., R. 7 E., 27 ft. S. and 25 ft. E. from junction of T-rd. W., 3 ft. W. of fence along E. side of N.-S. rd., in line with fence along S. side of rd. W., in concrete post; standard tablet stamped "23 B 1924"-----	<i>Feet</i> 727.169
Reference mark, 55.5 ft. S.60°W. from tablet, 31 ft. S. of fence corner, in SW. angle of rd. junction, in root on E. side of 12-in. ash tree; copper nail and washer-----	726.76
Drummer Creek, under bridge; surface of water Oct. 6, 1924-----	709.3
Gibson City, 4.5 mi. S. of, near S¼ ccr. sec. 35, T. 23 N., R. 7 E., 55 ft. N. and 35 ft. W. from junction of T-rd W., in S. side of 24-in. hedge tree; harrow tooth-----	734.57
Gibson City, 5.6 mi. S. of, 350 ft. S. of N¼ cor. sec. 11, T. 22 N., R. 7 E., 0.19 mi. N. of junction of E.-W. rd., 55 ft. W. of rd., 100 ft. S. and 150 ft. E. from farmhouse, 30 ft. W. of SE. corner of front yard, in root on N. side of 24-in. pine tree; copper nail and washer-----	733.49
Gibson City, 5.8 mi. S. thence 0.5 mi. E. from, 1.2 mi. N. and 3.5 mi. E. from Foosland, at Brick School, about 0.25 mi. N. of E¼ cor. sec. 11, T. 22 N., R. 7 E., 75 ft. N. and 100 ft. W. from junction of T-rd. S., 7 ft. S. and 35 ft. E. from schoolhouse, in root on SW. side of 14-in. ash tree; copper nail and washer-----	726.79
Sangamon River, under bridge; surface of water Oct. 7, 1924-----	703.1
6. From crossroads 0.5 mile south and 1 mile east from Elliott west 1 mile along State Highway 9, thence north along road 0.5 mile (by W. C. Elledge in 1936; leveled twice)	
Elliott, 0.5 mi. S. of, near NW. cor. sec. 14, T. 23 N., R. 8 E., 22 ft. S. and 18 ft. E. from crossroads, on E. head wall of concrete culvert; chiseled square-----	772.74
U. S. C. & G. S. standard disk stamped "Z 39 1934"-----	780.976

HERSCHER QUADRANGLE

[Latitude 41°00'–41°15'; longitude 88°00'–88°15']

GRUNDY AND KANKAKEE COUNTIES

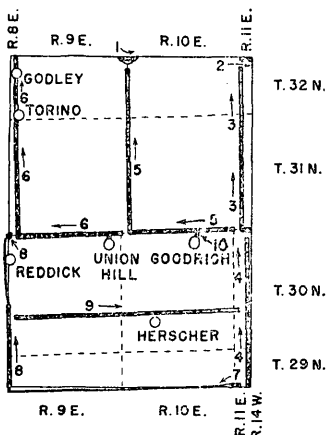


FIGURE 175.—Lines of leveling in Herscher quadrangle.

1. Along roads southeast and northeast near Custer (by R. G. Clinite in 1915)

[A jog from Wilmington quadrangle, line 2]

Custer, in NW. part of, on N. side of rd., 70 ft. N. of store of F. A. Buza; standard iron post with bronze cap stamped "1915 563" and "Prim Trav Sta No 17" (recovered in 1922)-----

Feet
562.498

[Continued in Wilmington quadrangle, line 2]

2. From point 0.3 mile south and 4.8 miles east from Ritchey along roads south 0.1 mile to crossroads, thence east 0.7 mile to point 1.3 miles west of Deselm (by H. S. Senseney in 1922)

[Connects with line 5 in Wilmington quadrangle]

Ritchey, 0.4 mi. S. and 4.8 mi. E. from, 2.0 mi. W. of Deselm, near SE. cor. sec. 13, T. 32 N., R. 10 E., 20 ft. N. and 40 ft. W. from intersection of Kankakee-Will county-line rd. and E.-W. rd., in root of tree; spike-----

642.48

[Continued in Kankakee quadrangle, line 1]

3. From point 0.5 mile north and 1 mile east from Lehigh along township-line road west 0.5 mile, thence north along range-line road 6 miles and Kankakee-Will county-line road 3 miles to crossroads 2 miles west of Deselm (by H. S. Senseney in 1922)

[Continued from Kankakee quadrangle, line 2]

West Kankakee, 6.5 mi. W. of, 0.5 mi. N. and 0.8 mi. E. from Lehigh, near N. cor. secs. 6 and 6, T. 30 N., Rs. 14 W. and 11 E., in SE. angle of junction of T.-rd. S., on concrete culvert; chiseled square⁶⁰-----

647.10

⁶⁰ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "B 28 1934," elevation 649.057 ft.

Lehigh, 0.5 mi. N. and 0.4 mi. E. from, near N $\frac{1}{4}$ cor. sec. 6, T. 30 N., R. 11 E., 30 ft. S. and 10 ft. E. from junction of T-rd. N., in concrete post; standard tablet stamped "Prim Trav Sta No 81 S 1922 S 12"	Feet 645.124
Reference mark, 160 ft. E. of tablet, on S. side of rd., on concrete culvert; chiseled square-----	646.61
Lehigh, 1.5 mi. N. and 0.4 mi. E. from, near SW. cor. sec. 30, T. 31 N., R. 11 E., in NE. angle of crossroads, on boulder; chiseled square-----	648.93
Lehigh, 2.5 mi. N. and 0.4 mi. E. from, 2.4 mi. E. of Bonfield, near SE. cor. sec. 24, T. 31 N., R. 10 E., 60 ft. N. of crossroads, on W. side of rd., in root of oak tree; spike-----	646.85
Bonfield, 2.4 mi. E. thence 1.0 mi. N. from, near SW. cor. sec. 18, T. 31 N., R. 11 E., 30 ft. N. and 30 ft. E. from crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 82 S 1922 S 13"-----	637.445
Reference mark, 480 ft. S. of iron post, on W. end of S. abutment of small bridge; chiseled square-----	636.87
T. 31 N., R. 10 E., 0.1 mi. S. of NE. cor. sec. 13, 520 ft. S. of crossroads, on W. side of rd., in root of cottonwood tree; copper nail and washer-----	646.54
T. 31 N., R. 10 E., 0.25 mi. S. of NE. cor. sec. 12, in NW. angle of crossroads, in root of walnut tree; copper nail and washer-----	637.45
T. 31 N., R. 10 E., near NE. cor. sec. 1, at corner of Kankakee and Will Counties, 0.3 mi. S. and 1.0 mi. W. from Rockville, 40 ft. S. and 20 ft. W. from junction of T-rd. W., in concrete post; aluminum tablet stamped "Prim Trav Sta No 83 S 1922 S 14"-----	567.053
Reference mark, 1,250 ft. N. of tablet, on NE. corner of concrete bridge over Kankakee River; chiseled square-----	564.82
Kankakee River, under bridge; surface of water Aug. 10, 1922-----	546.8
Rockville, 1.1 mi. NW. of, near W $\frac{1}{4}$ cor. sec. 31, T. 32 N., R. 11 E., in NE. angle of crossroads, on N. end of concrete culvert; chiseled square-----	613.16
Rockville, 1.1 mi. NW. thence 1.5 mi. N. from, near NW. cor. sec. 30, T. 32 N., R. 11 E., in SE. angle of crossroads, in root of ash tree; copper nail and washer-----	619.37
<p>4. From point on Iroquois-Kankakee county-line road 4.8 miles west of Chebanse west 0.1 mile to crossroads, thence north along range-line road to road junction 0.5 mile north and 0.8 mile east from Lehigh (by H. S. Senseney in 1922; first four miles releveled by E. O. Brooks in 1923)</p>	
[Continued from Kankakee quadrangle, line 3]	
Chebanse, about 5 mi. W. of, near N. cor. secs. 7 and 7, T. 29 N., Rs. 14 W. and 11 E., 20 ft. S. and 20 ft. E. from crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 55 W 1921 S 28"-----	717.460
Reference mark, 600 ft. E. of iron post, on N. side of rd., on concrete culvert; chiseled square (in Kankakee quadrangle)-----	716.47
T. 29 N., R. 11 E., near NE. cor. sec. 6, in SW. angle of crossroads, in root of maple tree; copper nail and washer-----	691.57
T. 30 N., R. 14 W., near SW. cor. sec. 30, 60 ft. N. and 20 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 79 S 1922 S 29"-----	667.987
Reference mark, 1,050 ft. N. of tablet, on E. side of rd., in root of maple tree; spike-----	667.42

1030 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Irwin, 0.5 mi. N. and 1.0 mi. W. from, near NE. cor. sec. 30, T. 30 N., R. 11 E., in SW. angle of crossroads, on boulder; chiseled square-----	<i>Feet</i> 661.10
Irwin, 1.5 mi. N. and 1.0 mi. W. from, near NW. cor. sec. 19, T. 30 N., R. 14 W., in SE. angle of crossroads, on concrete culvert; chiseled square-----	663.64
Irwin, 2.5 mi. N. and 1.0 mi. W. from, 1.5 mi. S. and 0.8 mi. E. from Lehigh, near SW. cor. sec. 7, T. 30 N., R. 14 W, 30 ft. N. and 20 ft. E. from crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 80 S 1922 S 30"-----	643.330
Reference mark, 45 ft. S. of iron post, on W. end of N. abutment of concrete culvert under Illinois Central R. R.; chiseled square-----	642.65
Lehigh, 0.5 mi. S. and 0.8 mi. E. from, near NE. cor. sec. 7, T. 30 N., R. 11 E., in SW. angle of crossroads, on boulder; chiseled square-----	645.63
5. From road junction 0.5 mile north and 0.4 mile east from Lehigh west along township-line road to road junction 0.5 mile north and 1.1 miles east from Union Hill, thence north along range-line road to Custer Park (by H. S. Senseney in 1922)	
Lehigh, 0.5 mi. N. and 2.6 mi. W. from, 0.5 mi. N. and 0.5 mi. W. from Goodrich, near SW. cor. sec. 34, T. 31 N., R. 10 E., 25 ft. N. and 50 ft. E. from junction of T-rd. N.; standard iron post with bronze cap stamped "Prim Trav Sta No 84 S 1922 S 18" (recovered in 1936)-----	624.363
Goodrich, 0.5 mi. N. and 1.5 mi. W. from, 0.5 mi. N. and 3.1 mi. E. from Union Hill, near N $\frac{1}{4}$ cor. sec. 4, T. 30 N., R. 10 E., 100 ft. S. of junction of T-rd. N., in root of maple tree; copper nail and washer---	622.45
Union Hill, 0.5 mi. N. thence 1.1 mi. E. from, 0.7 mi. W. thence 3.0 mi. S. from Frielings, near N $\frac{1}{4}$ cor. sec. 6, T. 30 N., R. 10 E., 20 ft. S. of junction of T-rd. N., in concrete post; aluminum tablet stamped "Prim Trav Sta No 85 S 1922 S 19"-----	618.127
Reference mark, 315 ft. N. of tablet, on E. side of rd., in root of ash tree; copper nail and washer-----	614.66
Frielings, 0.7 mi. W. thence 2.0 mi. S. from, near SW cor. sec. 30, T. 31 N., R. 10 E., in NE. angle of crossroads, in root of cottonwood tree; copper nail and washer-----	606.05
Frielings, 0.7 mi. W. thence 1.0 mi. S. from, near SE cor. sec. 24, T. 31 N., R. 9 E., 450 ft. N. of crossroads, on W. end of N. abutment of bridge over Horse Creek; chiseled square-----	597.38
Frielings, 0.7 mi. W. of, near SE cor. sec. 13, T. 31 N., R. 9 E., 40 ft. N. and 25 ft. W. from crossroads, in concrete post; aluminum tablet stamped "1922 S 20"-----	590.667
Reference mark, 90 ft. W. of tablet, on N. end of E. abutment of bridge over creek; chiseled square-----	592.04
Frielings, 0.7 mi. W. thence 1.0 mi. N. from, near SW cor. sec. 7, T. 31 N., R. 10 E., in NE. angle of T-rd. E., in root of cottonwood tree; copper nail and washer-----	592.54
Frielings, 0.7 mi. W. thence 2.0 mi. N. from, 3.8 mi. S. of Custer Park, near SW. cor. sec. 6, T. 31 N., R. 10 E., in NE. angle of offset crossroads, in root of cottonwood tree; copper nail and washer-----	591.37
Custer Park, 2.8 mi. S. of, near NW. cor. sec. 6, T. 31 N., R. 10 E., 40 ft. S. and 20 ft. E. from crossroads, in concrete post; aluminum tablet stamped "1922 S 21"-----	586.765
Reference mark, 65 ft. N. of tablet, in NE angle of crossroads, in root of oak tree; copper nail and washer-----	588.14

	<i>Feet</i>
Custer Park, 1.8 mi. S. of, near SW. cor. sec. 30, T. 32 N., R. 10 E., in NE. angle of junction of T-rd. E., on boulder; chiseled square-----	580. 29
Custer Park, 0.8 mi. S. of, 40 ft. S. of NE. cor. sec. 25, T. 32 N., R. 9 E., on W. side of rd., in root of ash tree; copper nail and washer--	584. 15
6. From road junction 0.5 mile north and 1.1 miles east from Union Hill west along township-line road to road junction 1.2 miles north and 0.5 mile east from Reddick, thence north along range-line road to point 0.9 mile north of Godley (by H. S. Senseney in 1922; portion of line along south boundaries of secs. 31, 32, and 33, T. 31 N., R. 9 E., releveled by E. O. Brooks in 1923)	
Union Hill, 0.5 mi. N. of, near N $\frac{1}{4}$ cor. sec. 1, T. 30 N., R. 9 E., at junction of T-rd. N., on S. side of rd., on NW. corner at N. end of concrete walk to schoolhouse; chiseled square ⁵¹ -----	621. 90
Union Hill, 0.5 mi. N. and 1.0 mi. W. from, near SE. cor. sec. 34, T. 31 N., R. 9 E., 70 ft. W. of junction of T-rd. N., in root of Osage-orange tree; copper nail and washer-----	616. 24
Union Hill, 0.5 mi. N. and 2.0 mi. W. from, near N $\frac{1}{4}$ cor. sec. 3, T. 30 N., R. 9 E., 30 ft. S. of junction of T-rd. N.; standard iron post with bronze cap stamped "Prim Trav Sta No 86 S 1922 S 33"-----	608. 119
Reference mark, 50 ft. N. of iron post, in NE. angle of rd. junction, on concrete culvert; chiseled square-----	608. 54
Union Hill, 0.5 mi. N. and 3.0 mi. W. from, near SW. cor. sec. 33, T. 31 N., R. 9 E., in NE. angle of junction of T-rd. N., in root of Osage-orange tree; copper nail and washer-----	603. 86
Union Hill, 0.5 mi. N. and 4.0 mi. W. from, 1.1 mi. N. and 1.5 mi. E. from Reddick, near SW. cor. sec. 32, T. 31 N., R. 9 E., in NE. angle of junction of T-rd. N., in root of willow tree; copper nail and washer-----	600. 31
Reddick, 1.1 mi. N. and 0.5 mi. E. from, near N $\frac{1}{4}$ cor. sec. 6, T. 30 N., R. 9 E., 25 ft. S. of junction of T-rd. N., in concrete post; aluminum tablet stamped "Prim Trav Sta No 87 S 1922 S 34" ⁵² -----	602. 660
Reference mark, 50 ft. N. and 20 ft. W. from tablet, on W. head wall of concrete culvert under rd. N.; chiseled square (established in 1936)-----	602. 49
Reddick, 2.1 mi. N. and 0.5 mi. E. from, near NE. cor. sec. 36, T. 31 N., R. 8 E., in SW. angle of crossroads, in root of Osage-orange tree; copper nail and washer-----	598. 55
Reddick, 3.1 mi. N. and 0.5 mi. E. from, 4.3 mi. S. of Torino, near SE. cor. sec. 24, T. 31 N., R. 8 E., 300 ft. W. of crossroads, on N. end of E. abutment of bridge; chiseled square-----	592. 66
Torino, 3.3 mi. S. of, 0.5 mi. W. of Clarke City, near NE. cor. sec. 24, T. 31 N., R. 8 E., 40 ft. S. and 20 ft. W. from crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 88 S 1922 S 35"-----	589. 230
Reference mark, 120 ft. E. of iron post, on N. side of E.-W. rd., W. of gate, in root of maple tree; spike-----	588. 90
Torino, 2.3 mi. S. of, 3.0 mi. W. of Essex, near NW. cor. sec. 18, T. 31 N., R. 9 E., in SE. angle of crossroads, on concrete culvert; chiseled square-----	581. 85
Torino, 1.3 mi. S. of, near NE. cor. sec. 12, T. 31 N., R. 8 E., in SW. angle of crossroads, on concrete culvert; chiseled square-----	576. 67

⁵¹ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "G 28 1934," elevation 618.650 ft.

⁵² In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "K 28 1934," elevation 608.526 ft.

1032 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Torino, 0.3 mi. S. of, near SW. cor. sec. 36, T. 32 N., R. 8 E., at Kankakee-Will county line, 60 ft. N. and 25 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 89 S 1922 S 36"-----	<i>Feet</i> 580.716
Reference mark, 80 ft. S. of tablet, in SW. angle of crossroads, on concrete culvert; chiseled square-----	582.03
Torino, 0.7 mi. N. of, 1.5 mi. S. of Godley, near NE. cor. sec. 36, T. 32 N., R. 8 E., in SW. angle of junction of T-rd. W., on concrete culvert; chiseled square-----	585.78
Godley, 0.5 mi. S. of, near SE. cor. sec. 24, T. 32 N., R. 8 E., in NW. angle of crossroads, in root of ash tree; copper nail and washer---	581.88
Godley, 0.1 mi. N. of Chicago & Alton R. R. crossing, 0.15 mi. N. of W $\frac{1}{4}$ cor. sec. 19, T. 32 N., R. 9 E., on E. side of rd., in root of cottonwood tree; copper nail and washer-----	584.08
[Connects with line 1 in Wilmington quadrangle]	
7. From crossroads 4.9 miles west of Chebanse west along Iroquois-Kankakee county-line road about 1 mile (by E. O. Brooks in 1923; leveled twice)	
T. 29 N., R. 11 E., near SW. cor. sec. 7, 30 ft. N. and 35 ft. E. from crossroads, in root on W. side of 12-in. walnut tree; copper nail and washer-----	719.40
[Continued in Piper City quadrangle, line 1]	
8. From point 0.3 mile north and 2.2 miles west from Cabery north along Kankakee-Livingston county-line road to point about 1 mile south of Reddick (by E. O. Brooks in 1923; leveled twice; releveled by George Adgate in 1934)	
[Continued from Piper City quadrangle, line 1]	
Cabery, 2.2 mi. W. thence 1.0 mi. N. from, 6.0 mi. S. of Reddick, near SW. cor. sec. 6, T. 30 N., R. 9 E., 250 ft. N. of crossroads, on E. head wall of concrete culvert; chiseled square-----	671.90
Cabery, 2.2 mi. W. thence 1.0 mi. N. from, 6.0 mi. S. of Reddick, near NW. cor. sec. 7, T. 30 N., R. 9 E., 100 ft. S. and 30 ft. E. from crossroads, in concrete post; standard tablet stamped "10 10 1934" (established in 1934)-----	675.422
Reddick, 5.0 mi. S. of, near SW. cor. sec. 31, T. 30 N., R. 9 E., 28 ft. N. and 85 ft. E. from crossroads, 3 ft. N. of fence, in root on S. side of 12-in. walnut tree; copper nail and washer (not recovered in 1934)-----	661.96
Reddick, 5.0 mi. S. of, near cor. Tps. 29 and 30 N., Rs. 8 and 9 E., at center of crossroads, on boulder buried below surface of roadway; chiseled square (established in 1934)-----	661.11
Reddick, 4.0 mi. S. of, near NE. cor. sec. 36, T. 30 N., R. 8 E., 25 ft. S. and 25 ft. W. from crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 76 W 1921 EB 5 1923"-----	642.178
Reference mark, 25 ft. N. of iron post, on head wall of concrete culvert; chiseled square-----	640.87
Reddick, 3.0 mi. S. of, near SW. cor. sec. 19, T. 30 N., R. 9 E., in NE. angle of crossroads, at N. end of tile culvert under E.-W. rd., on top of large boulder; chiseled square-----	631.02
Reddick, 3.0 mi. S. of, 15 ft. S. and 55 ft. W. from N. end of tile culvert mentioned in preceding description, in root on E. side of 24-in. maple tree; copper nail and washer (not recovered in 1934)-----	631.44

Reddick, 3.0 mi. S. of, near NE. cor. sec. 25, T. 30 N., R. 8 E., 100 ft. S. and 30 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "10 9 1934" (established in 1934)-----	<i>Fcet</i> 630. 743
Reddick, 2.0 mi. S. of, near NE. cor. sec. 24, T. 30 N., R. 8 E., 290 ft. W. of crossroads, on S. side of rd., at fence line, on large boulder; chiseled square (not recovered in 1934)-----	619. 94
Reddick, 2.0 mi. S. of, near SE. cor. sec. 13, T. 30 N., R. 8 E., 30 ft. N. and 25 ft. W. from crossroads, on NW. wing wall of concrete culvert under rd. W.; chiseled square (established in 1934)-----	619. 66
Reddick, 1.0 mi. S. of, near NW. cor. sec. 18, T. 30 N., R. 9 E., 24 ft. S. and 24 ft. E. from crossroads, 2 ft. N. and 3 ft. W. from fence corner; standard iron post with bronze cap stamped "Prim Trav Sta No 77 W 1921 EB 6" ⁵⁵ -----	612. 218

[Continued in Dwight quadrangle, line 1]

9. From crossroads 3 miles south of Reddick east along road to crossroads 0.5 mile north and 1 mile west from Irwin (by E. O. Brooks in 1923)

Reddick, 3.0 mi. S. and 1.0 mi. E. from, 0.5 mi. N. and 2.8 mi. W. from Buckingham, near NW. cor. sec. 29, T. 30 N., R. 9 E., in SE. angle of crossroads, on E. end of concrete wing wall of culvert; chiseled square-----	630. 83
Buckingham, 0.5 mi. N. and 1.8 mi. W. from, near SE. cor. sec. 20, T. 30 N., R. 9 E., in NW. angle of crossroads, 1 ft. S. and 10 ft. W. from fence corner; standard iron post with bronze cap stamped "7 EB 1923"-----	641. 620
Reference mark, in NE. angle of crossroads, on S. side of corner fence post, on concrete base; chiseled square-----	640. 95
Buckingham, 0.5 mi. N. and 0.8 mi. W. from, near NW. cor. sec. 27, T. 30 N., R. 9 E., in SE. angle of crossroads, on S. head wall of concrete culvert; chiseled square-----	646. 67
Buckingham, 0.5 mi. N. and 1.2 mi. E. from, near SE. cor. sec. 23, T. 30 N., R. 9 E., in NW. angle of crossroads, 15 ft. N. and 1 ft. E. from fence corner; standard iron post with bronze cap stamped "8 EB 1923"-----	650. 054
Reference mark, 60 ft. E. of iron post, in NE. angle of crossroads, 10 ft. N. and 15 ft. E. from fence corner, in root on S. side of 30-in. maple tree; copper nail and washer-----	650. 21
Buckingham, 0.5 mi. N. and 2.2 mi. E. from, 0.5 mi. N. and 1.9 mi. W. from Herscher, near NE. cor. sec. 25, T. 30 N., R. 9 E., in SW. angle of crossroads, 5 ft. S. and 2 ft. W. from fence corner, in root on NW. side of 12-in. catalpa tree; copper nail and washer-----	645. 32
Herscher, 0.5 mi. N. of, near SE. cor. sec. 20, T. 30 N., R. 10 E., in NW. angle of crossroads, 1 ft. S. and 5 ft. W. from fence corner; standard iron post with bronze cap stamped "9 EB 1923"-----	645. 955
Reference mark, 50 ft. S. and 25 ft. E. from iron post, in SW. angle of crossroads, on S. end of stone retaining wall of tile culvert; chiseled square-----	645. 99

⁵⁵ Also described in Dwight quadrangle, line 1.

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Herscher, 0.5 mi. N. and 1.1 mi. E. from, near SW. cor. sec. 22, T. 30 N., R. 10 E., 75 ft. N. and 60 ft. E. from crossroads, in root on S. side of 24-in. maple tree; copper nail and washer-----	<i>Feet</i> 662.58
Herscher, 0.5 mi. N. and 2.1 mi. E. from, near SW. cor. sec. 23, T. 30 N., R. 10 E., in NE. angle of crossroads, 3 ft. N. and 8 ft. E. from fence corner, in root on S. side of 24-in. catalpa tree; copper nail and washer-----	667.85
Herscher, 0.5 mi. N. and 3.1 mi. E. from, near NE. cor. sec. 26, T. 30 N., R. 10 E., in SW. angle of crossroads, 1 ft. N. and 5 ft. W. from fence corner; standard iron post with bronze cap stamped "10 EB 1923"-----	665.268
Reference mark, 10 ft. S. and 60 ft. E. from iron post, in SE. angle of crossroads, in fence line, 10 ft. S. of corner post, on top of large boulder; chiseled square-----	665.40
10. From road junction 0.5 mile north and 0.5 mile west from Goodrich east and south along roads to Goodrich (by E. W. Gouchenour in 1936)	
Goodrich, 0.5 mi. N. thence 0.5 mi. W. from, near N $\frac{1}{4}$ cor. sec. 3, T. 30 N., R. 10 E., 50 ft. S. and 180 ft. E. from standard iron post, on W. head wall of concrete culvert under lane S.; chiseled square ⁶⁴ -----	624.36
Goodrich, 0.5 mi. N. of, near NE. cor. sec. 3, T. 30 N., R. 10 E., 110 ft. S. and 12 ft. W. from junction of T-rd. S., on W. end of S. concrete abutment of steel bridge over creek; chiseled square-----	623.46
U. S. C. & G. S. standard disk stamped "D 28 1934"-----	634.136

⁶⁴ Established as a reference mark to the bench mark stamped "Prim Trav Sta No 84 S 1922 S 18," described in line 5.

[Latitude 40°15'–40°30'; longitude 87°30'–87°45']

IROQUOIS AND VERMILION COUNTIES

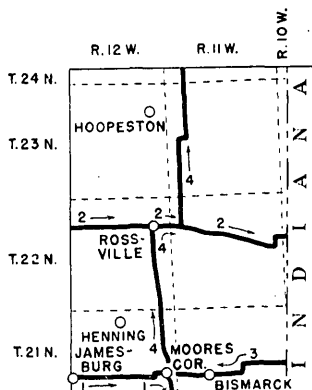


FIGURE 176.—Lines of leveling in Hoopeston quadrangle.

1. From Jamesburg generally east along roads to point 2.4 miles west of Bismarck at Moores Corner, thence south along Dixie Highway (State Highway 1) 1.2 miles (by G. W. Moore in 1930)

[Continued from Potomac quadrangle, line 2]

Jamesburg, 38 ft. S. and 115 ft. E. from intersection of Chicago & Eastern Illinois Ry., at N. side of store, on NW. corner of concrete step; chiseled square-----	<i>Feet</i> 683. 60
Jamesburg, 0.8 mi. E. of, 0.25 mi. E. of W¼ cor. sec. 20, T. 21 N., R. 12 W., 30 ft. N. and 50 ft. E. from crossroads, in root on S. side of multiple Osage-orange tree; copper nail and washer-----	677. 65
Jamesburg, 1.8 mi. E. of, 0.25 mi. E. of W¼ cor. sec. 21, T. 21 N., R. 12 W., in SW. angle of junction of T-rd. S., on S. end of W. head wall; chiseled square-----	681. 72
Jamesburg, 2.6 mi. E. of, 3.0 mi. S. of Henning, at Vernal, near E¼ cor. sec. 21, T. 21 N., R. 12 W., 25 ft. N. and 40 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 134 Mac 1923"-----	680. 165
Reference mark, 125 ft. SE. of tablet, in SE. angle of crossroads, at gasoline filling pumps, on NW. end of concrete base; chiseled square-----	681. 66
Henning, 3.0 mi. S. thence 1.0 mi. E. from, near E¼ cor. sec. 22, T. 21 N., R. 12 W., in NW. angle of junction of T-rd. N., at braced iron corner fence post, on SE. corner of base; chiseled square-----	684. 05

Henning, 3.0 mi. S. thence 1.7 mi. E. from, 0.8 mi. W. thence 0.2 mi. S. from Moores Corner, at Cuba School, 0.22 mi. E. of center of sec. 23, T. 21 N., R. 12 W., 20 ft. S. and 115 ft. W. from turn N. in rd., 20 ft. E. of NW. corner of schoolyard, on W. end of concrete drain under graveled rd. to schoolyard; chiseled square-----	Feet 684.04
Moores Corner, 2.4 mi. W. of Bismarck, 0.25 mi. S. of N $\frac{1}{4}$ cor. sec. 24, T. 21 N., R. 12 W., 40 ft. N. and 20 ft. E. from intersection of Dixie Highway, in concrete post; standard tablet stamped "Prim Trav Sta No 133 Mac 1923" (recovered in 1931)-----	666.394
Reference mark, 75 ft. NW. of tablet, in NW. angle of crossroads, between Dixie Highway and service station rd., on W. end of N. head wall of concrete culvert; chiseled square (recovered in 1931)-----	665.54
[Continued in Danville quadrangle, line 7]	
2. From point 4.7 miles west of Rossville generally east along roads to Illinois-Indiana State line (by W. C. Elledge in 1931)	
[Connects with line 3 in Potomac quadrangle]	
Rossville, 4.2 mi. W. of intersection of highway and Chicago & Eastern Illinois Ry., at Squankum School, near W $\frac{1}{4}$ cor. sec. 8, T. 22 N., R. 12 W., 37 ft. N. and 28 ft. E. from crossroads, in SW. corner of schoolyard, in root on S. side of 15-in. maple tree; copper nail and washer-----	727.20
Rossville, 3.2 mi. W. of, near W $\frac{1}{4}$ cor. sec. 9, T. 22 N., R. 12 W., 33 ft. N. and 40 ft. E. from junction of T-rd. N., 2 ft. S. and 12 ft. E. from fence corner, in concrete post; standard tablet stamped "5 E 1931"-----	730.495
Reference mark, 18 ft. S. and 77 ft. W. from tablet, on N. head wall of concrete culvert; chiseled square-----	732.73
Rossville, 2.3 mi. W. of, near E $\frac{1}{4}$ cor. sec. 9, T. 22 N., R. 12 W., 220 ft. W. of junction of T-rd. S., on W. end of N. head wall of concrete culvert; chiseled square-----	725.21
Rossville, 1.3 mi. W. of, 0.9 mi. W. of intersection of Dixie Highway, near quarter corner between secs. 10 and 11, T. 22 N., R. 12 W., at top of first grade from town; 15 ft. S. and 6 ft. E. from junction of private rd. S., in root on N. side of 24-in. linn tree; copper nail and washer-----	711.16
Rossville, at E. side of, 52 ft. S. and 80 ft. E. from intersection of C. & E. I. Ry. and East Attica Street, at R. R. right-of-way, 7 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "6 E 1931"-----	705.826
Reference mark, 110 ft. NE. of tablet, in NE. angle of intersection of East Attica Street and Grove Avenue, on curb; chiseled square-----	706.14
Rossville, 0.8 mi. E. of, near W $\frac{1}{4}$ cor. sec. 7, T. 22 N., R. 11 W., 125 ft. E. of center of rd. in line with N.-S. fence, 21 ft. N. and 7 ft. W. from junction of private rd. N., on W. end of small concrete culvert; chiseled square-----	694.92
Rossville, 1.8 mi. E. of, 0.1 mi. S. of W $\frac{1}{4}$ cor. sec. 8, T. 22 N., R. 11 W., 25 ft. N. and 21 ft. E. from junction of rd. S., in SE. corner of yard of residence of George Cadle, in root on SW. side of 24-in. poplar tree; copper nail and washer-----	688.02
Rossville, 2.9 mi. SE. of, near NE. cor. sec. 17, T. 22 N., R. 11 W., 34 ft. S. and 18 ft. W. from junction of old T-rd. S., 430 ft. E. of residence of S. J. Miller, 2 ft. N. and 7 ft. W. from fence corner, in concrete post; standard tablet stamped "7 E 1931"-----	686.649

Reference mark, 10 ft. N. and 33 ft. E. from tablet, on E. head wall of concrete culvert; chiseled square-----	<i>Feet</i> 687. 82
T. 22 N., R. 11 W., 600 ft. S. of NW. cor. sec. 15, 21 ft. N. and 12 ft. E. from junction of rd. N., on E. head wall of concrete culvert; chiseled square-----	690. 59
T. 22 N., R. 11 W., 0.25 mi. E. of W $\frac{1}{4}$ cor. sec. 14, 21 ft. S. and 15 ft. W. from junction of rd. S., on W. head wall of concrete culvert; chiseled square-----	686. 77
T. 22 N., R. 11 W., 0.25 mi. N. of SW. cor. sec. 13, 24 ft. N. and 21 ft. E. from junction of rd. S., 4 ft. E. of telephone pole, in concrete post; standard tablet stamped "8 E 1931"-----	689. 282
Reference mark, 30 ft. SE. of tablet, on W. head wall of concrete culvert; chiseled square-----	688. 95
T. 22 N., R. 11 W., 0.25 mi. S. of N $\frac{1}{4}$ cor. sec. 13, 5 ft. N. and 25 ft. W. from junction of rd. E., in root on S. side of 18-in. walnut tree; copper nail and washer-----	701. 37

(Continued in Indiana)

3. From Illinois-Indiana State line generally west along roads to crossroads 2.4 miles west of Bismarck (by W. C. Elledge in 1931; leveled twice)

Bismarck, 0.5 mi. N. and 3.8 mi. E. from, near N $\frac{1}{4}$ cor. sec. 24, T. 21 N., R. 11 W., 13 ft. S. and 18 ft. W. from junction of rd. S., on SE. wing wall of concrete bridge; chiseled square-----	692. 74
Bismarck, 0.5 mi. N. and 2.8 mi. E. from, near S $\frac{1}{4}$ cor. sec. 14, T. 21 N., R. 11 W., 15 ft. N. and 30 ft. W. from junction of rd. S., on top near center of N. head wall of concrete culvert; chiseled square-----	692. 74
Bismarck, 1.8 mi. E. thence 0.5 mi. N. from, at Brown School, near S $\frac{1}{4}$ cor. sec. 15, T. 21 N., R. 11 W., 15 ft. N. and 20 ft. W. from T-junction of N.-S. rd., in concrete post; standard tablet stamped "Prim Trav Sta No 132 Mac 1923"-----	699. 184
Reference mark, 130 ft. E. of tablet, at front entrance of schoolhouse, on NW. corner of concrete platform; chiseled square-----	700. 58
Bismarck, 1.3 mi. E. of, near W $\frac{1}{4}$ cor. sec. 22, T. 21 N., R. 11 W., 350 ft. E. of Chicago, Milwaukee, St. Paul & Pacific R. R., on top near center of N. head wall of concrete culvert; chiseled square-----	683. 46
Bismarck, at E. edge of, 375 ft. E. of Chicago & Eastern Illinois Ry., on SE. wing wall of small steel bridge; chiseled square-----	660. 65
Bismarck, 0.8 mi. W. of, near W $\frac{1}{4}$ cor. sec. 20, T. 21 N., R. 11 W., 14 ft. N. and 75 ft. E. from T-junction of N.-S. rd., on N. head wall of concrete culvert; chiseled square-----	676. 60
Bismarck, 1.8 mi. W. of, in NW $\frac{1}{4}$ sec. 19, T. 21 N., R. 11 W., 480 ft. NE. of steel bridge over North Fork of Vermillion River, at curve in rd., 30 ft. W. of junction of private rd. N., in root on S. side of 24-in. elm tree; copper nail and washer-----	621. 69

4. From Moores Corner north along Dixie Highway (State Highway 1) to Rossville, thence along roads east 1.7 miles, thence generally north to point 2.1 miles north and 2 miles east from Hoopeton (by W. C. Elledge in 1931)

Moores Corner, 1.3 mi. N. of, 2.4 mi. W. thence 1.3 mi. N. from Bismarck, 0.25 mi. W. of N $\frac{1}{4}$ cor. sec. 13, T. 21 N., R. 12 W., 12 ft. S. and 18 ft. W. from junction of T-rd. W., on S. head wall of concrete culvert; chiseled square-----	652. 79
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Moore's Corner, 2.4 mi. N. of, 0.5 mi. S. of Rayville, 0.25 mi. E. of SW. cor. sec. 1, T. 21 N., R. 12 W., at intersection of State Highway 119, 125 ft. N. and 18 ft. W. from junction of T-rd. W., on S. head wall of concrete culvert; chiseled square-----	<i>Fcct</i> 679. 65
Rayville, 5.0 mi. S. of highway intersection at Rossville, 0.25 mi. E. of W $\frac{1}{4}$ cor. sec. 1, T. 21 N., R. 12 W., 11 ft. S. and 33 ft. W. from junction of T-rd. E., 30 ft. N. and 33 ft. W. from intersection of Illinois Central R. R., in concrete post; standard tablet stamped "20 E 1931"-----	679. 932
Reference mark, 50 ft. NE. of tablet, on W. head wall of concrete culvert; chiseled square-----	681. 86
Rossville, 3.9 mi. S. of, in NW $\frac{1}{4}$ sec. 36, T. 22 N., R. 12 W., 2,100 ft. S. of junction of T-rd. W., on W. side of highway, at S. end of driveway to house of Russell Moore, on S. head wall of concrete culvert; chiseled square-----	660. 55
Rossville, 3.0 mi. S. of, at Walnut Grove Place, 0.1 mi. E. of W $\frac{1}{4}$ cor. sec. 25, T. 22 N., R. 12 W., 30 ft. SE. of SE. corner of small golf house, on concrete culvert; chiseled square-----	659. 66
Rossville, 2.3 mi. S. of, 0.25 mi. N. of SW. cor. sec. 24, T. 22 N., R. 12 W., 10 ft. N. and 30 ft. W. from junction of T-rd. E., 3 ft. NW. of right-of-way post, in concrete post; standard tablet stamped "21 E 1931"-----	674. 129
Reference mark, 50 ft. E. of tablet, on N. head wall of concrete culvert; chiseled square-----	676. 24
Rossville, 1.5 mi. S. of, near NW. cor. sec. 24, T. 22 N., R. 12 W., 660 ft. N. of junction of T-rd. W., on E. head wall of large concrete culvert; chiseled square-----	673. 67
Rossville, at S. city limits, on E. side of street, 7 ft. N. of sign "Rossville," on street curb; chiseled square-----	688. 32
Rossville, 1.7 mi. E. thence 1.0 mi. N. from, near center of sec. 6, T. 22 N., R. 11 W., at offset crossroads, 36 ft. S. and 15 ft. W. from junction of T-rd. S., on W. head wall of concrete culvert; chiseled square-----	706. 96
Rossville, 1.7 mi. E. thence 2.0 mi. N. from, 4.1 mi. S. and 1.5 mi. E. from Hoopeston, near center of sec. 31, T. 23 N., R. 11 W., 45 ft. N. and 60 ft. E. from junction of T-rd. E., 7 ft. N. of power-line pole, in concrete post; standard tablet stamped "22 E 1931"-----	715. 277
Hoopeston, 2.9 mi. S. and 1.5 mi. E. from, 1,200 ft. N. of center of sec. 30, T. 23 N., R. 11 W., 48 ft. S. and 18 ft. W. from junction of private rd. W., in root on W. side of 10-in. boxelder tree; copper nail and washer-----	722. 53
Hoopeston, 1.6 mi. S. and 1.5 mi. E. from, near N $\frac{1}{4}$ cor. sec. 19, T. 23 N., R. 11 W., 27 ft. S. and 40 ft. W. from junction of E-W. rd., 2 ft. S. of fence corner, in concrete post; standard tablet stamped "23 E 1931"-----	706. 921
Reference mark, 20 ft. E. of tablet, on S. head wall of concrete culvert; chiseled square-----	708. 12
Hoopeston, 1.6 mi. S. and 2.0 mi. E. from, near SE. cor. sec. 18, T. 23 N., R. 11 W., 30 ft. N. and 13 ft. W. from junction of T-rd. N., on W. end of small concrete culvert; chiseled square-----	728. 88
Hoopeston, 0.6 mi. S. and 2.0 mi. E. from, near NW. cor. sec. 17, T. 23 N., R. 11 W., 18 ft. S. and 140 ft. E. from crossroads, on S. head wall of concrete culvert; chiseled square-----	720. 53

Hoopeston, 2.0 mi. E. of, at intersection of New York, Chicago & St. Louis R. R.; top of N. rail-----	<i>Feet</i> 708.1
Hoopeston, 0.4 mi. N. and 2.0 mi. E. from, near NE. cor. sec. 7, T. 23 N., R. 11 W., 26 ft. S. and 33 ft. W. from crossroads, 5 ft. W. of signpost, in concrete post; standard tablet stamped "24 E 1931" (recovered by U. S. C. & G. S. in 1935)-----	713.378
Reference mark, 10 ft. SE. of tablet, in root on NW. side of 30-in. maple tree; copper nail and washer-----	714.00
Hoopeston, 1.4 mi. N. and 2.0 mi. E. from, 3.5 mi. S. and 2.4 mi. E. from Wellington, near NW. cor. sec. 5, T. 23 N., R. 11 W., at offset crossroads, 115 ft. S. and 24 ft. E. from junction of T-rd. S., in root on W. side of 24-in. wild-cherry tree; copper nail and washer-----	760.56

[Connects with line 1 in Milford quadrangle]

HUME QUADRANGLE

[Latitude 39°45'–40°00'; longitude 87°45'–88°00']

CHAMPAIGN, DOUGLAS, EDGAR, AND VERMILION COUNTIES

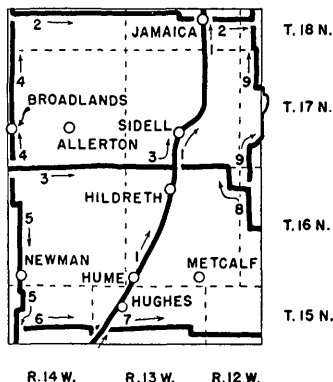


FIGURE 177.—Lines of leveling in Hume quadrangle.

1. From point about 2.8 miles northeast of Brocton northeast along Cincinnati, Hamilton & Dayton Railway⁵⁵ to Sidell, thence north along Chicago & Eastern Illinois Railway to point 0.7 mile north of Jamaica (by T. A. Green in 1906; first-order leveling)

[Continued from Kansas quadrangle, line 1]

Hughes, 0.5 mi. NE. of, 1.4 mi. SW. of Hume, 40 ft. E. of track, 12 ft. E. of telegraph pole; standard iron post with bronze cap stamped "1906 655" and designated "G 4"-----	Feet 655.688
Hume, 1.5 mi. NE. of, 1,000 ft. N. of milepost "Olney 78–Sidell 7," 40 ft. E. of track, 90 ft. NE. of whistle post; standard iron post with bronze cap stamped "1906 645" and designated "H 4"-----	645.720
Hume, 4.3 mi. NE. of, 0.8 mi. S. of Hildreth, 330 ft. N. of milepost "Olney 81–Sidell 4," 45 ft. N. of private rd., 25 ft. W. of track; standard iron post with bronze cap stamped "1906 693" and designated "I 4" ⁵⁶ -----	692.994
Hume, 5.0 mi. N. of, 0.25 mi. W. of N¼ cor. sec. 9, T. 16 N., R. 13 W., 30 ft. S. and 158 ft. W. from sixteenth corner, in concrete post; standard tablet stamped "Reset 1940" (set in 1940 to replace standard iron post stamped "1906 693" and designated "I 4")-----	724.232
Hildreth, 2.0 mi. N. of, 1.1 mi. S. of Sidell, 150 ft. N. of Archie Siding, 10 ft. S. of rd., 30 ft. W. of track; standard iron post with bronze cap stamped "1906 691" and designated "J 4" ⁵⁷ -----	691.406

⁵⁵ Later the Kansas & Sidell R. R., now abandoned.

⁵⁶ In 1940 this bench mark was destroyed, and was replaced by a standard tablet set 0.7 mile north of this position. See following description.

⁵⁷ In 1934 this bench mark was reported destroyed.

Sidell, at NW. corner of high school building, on W. side, 2 ft. S. of corner, in stone watershed; aluminum tablet stamped "1906 684" and designated "K 4" (recovered in 1935)-----	<i>Feet</i> 684.605
Sidell, 3.1 mi. NE. of, 3.1 mi. S. of Jamaica, 10 ft. N. of private rd., 50 ft. E. of track; standard iron post with bronze cap stamped "1906 679" and designated "L 4"-----	679.280
Jamaica, 145 ft. NW. of sta., 100 ft. W. of track, 33 ft. N. of rd., 1 ft. E. of SE. corner of store of C. D. Williams; standard iron post with bronze cap stamped "1906 677" and designated "M 4" (recovered in 1929)-----	677.335

[Continued in Fithian quadrangle, line 1]

2. From point 1.9 miles west and 2.5 miles south from Homer along roads south 0.3 mile, thence generally east to point 2.6 miles east and 0.6 mile north from Jamaica (by G. W. Moore in 1929)

[Continued from Fithian quadrangle, line 2]

Homer, 1.9 mi. W. thence 2.8 mi. S. from, 6.0 mi. N. of Broadlands, at offset crossroads, near NW. cor. sec. 30, T. 18 N., R. 14 W., 45 ft. S. and 25 ft. E. from junction of T-rd. E., in concrete post; standard tablet stamped "T T Sta No 53 F 1929" (recovered in 1935)-----	698.542
Reference mark, 60 ft. NW. of tablet, near NE. cor. sec. 30, T. 18 N., R. 11 E., on S. head wall of concrete culvert under T-rd. W.; chiseled square (recovered in 1935)-----	696.48
Homer, 2.8 mi. S. thence 1.0 mi. W. from, near N. cor. secs. 29 and 30, T. 18 N., R. 14 W., at jog in rd., 20 ft. S. of rd. W., opposite center line of rd. E., in N.-S. fence line, at fence corner, in root on NW. side of 21-in. maple tree; copper nail and washer-----	692.97
Homer, 2.8 mi. S. of, near NW. cor. sec. 28, T. 18 N., R. 14 W., in SE. angle of intersection of State Highway 49, on E. end of S. head wall of V-shaped culvert under E.-W. rd.; chiseled square-----	694.43
Homer, 2.8 mi. S. thence 1.0 mi. E. from, 0.5 mi. N. and 7.0 mi. W. from Jamaica, near SE. cor. sec. 21, T. 18 N., R. 14 W., 18 ft. N. and 58 ft. W. from intersection of Champaign-Vermillion county-line rd., 1 ft. S. of fence, in concrete post; standard tablet stamped "T T Sta No 50 E 1929"-----	671.007
Jamaica, 0.5 mi. N. and 6.1 mi. W. from, 0.09 mi. W. of NE. cor. sec. 27, T. 18 N., R. 14 W., 45 ft. S. and 475 ft. W. from crossroads, 35 ft. N. of NE. corner of house of Charles Brown, in yard, in root on N. side of 22-in. maple tree; copper nail and washer-----	676.20
Jamaica, 0.5 mi. N. and 5.0 mi. W. from, near SW. cor. sec. 24, T. 18 N., R. 14 W., 125 ft. N. and 28 ft. E. from crossroads, 100 ft. N. and 8 ft. E. from fence corner, in root on SE. side of 32-in. ash tree; copper nail and washer-----	672.12
Jamaica, 0.5 mi. N. and 4.0 mi. W. from, 3.5 mi. S. and 2.8 mi. W. from Fairmount, near NW. cor. sec. 30, T. 18 N., R. 13 W., at offset crossroads, 20 ft. E. of junction of T-rd. W., 25 ft. S. and 20 ft. E. from junction of T-rd. E., in concrete post; standard tablet stamped "T T Sta No 51 E 1929"-----	674.949
Reference mark, 40 ft. N. and 26 ft. E. from junction of T-rd. E., 20 ft. N. and 6 ft. E. from fence corner, in root on W. side of 12-in. Osage-orange tree; copper nail and washer-----	674.39

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Jamaica, 0.5 mi. N. and 3.0 mi. W. from, near NW. cor. sec. 29, T. 18 N., R. 13 W., 25 ft. S. of fence corner, inside fence, in root on SW. side of 8-in. Osage-orange tree; copper nail and washer-----	<i>Feet</i> 675.72
Jamaica, 0.5 mi. N. and 2.1 mi. W. from, 0.14 mi. W. of NE. cor. sec. 29, T. 18 N., R. 13 W., 740 ft. W. of line fence, on S. head wall of concrete culvert; chiseled square-----	681.05
Jamaica, 1.0 mi. W. of, near W¼ cor. sec. 27, T. 18 N., R. 13 W., 23 ft. S. and 27 ft. E. from junction of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 52 E 1929"-----	669.710
Reference mark, 18 ft. S. and 195 ft. W. from rd. junction, opposite barn, in root on NW. side of 54-in. cottonwood tree; copper nail and washer-----	667.90
Jamaica, behind sta., 90 ft. S. and 75 ft. W. from Chicago & Eastern Illinois Ry. crossing, in private yard, 60 ft. S. and 5 ft. W. from fence corner, in root on W. side of mulberry tree; copper nail and washer ⁵⁸ -----	678.85
Jamaica, 1.0 mi. E. of, near E¼ cor. sec. 26, T. 18 N., R. 13 W., 30 ft. S. and 240 ft. W. from crossroads, 210 ft. W. of fence corner, inside fence, in root on N. side of 12-in. Osage-orange tree; copper nail and washer-----	672.94
Jamaica, 2.0 mi. E. of, near quarter corner between secs. 25 and 30, T. 18 N., Rs. 12 and 13 W., 17 ft. E. of N.-S. line fence, 45 ft. S. of jog in rd., in root on NE. side of multiple Osage-orange tree; copper nail and washer-----	671.58
Jamaica, 2.6 mi. E. of, 0.1 mi. E. of center of sec. 30, T. 18 N., R. 12 W., at Miller School, 35 ft. N. and 30 ft. W. from junction of N.-S. rd., in SE. corner of schoolyard, in root on NW. side of 24-in. maple tree; copper nail and washer (recovered in 1935)-----	673.10
Jamaica, 2.6 mi. E. thence 0.5 mi. N. from, about 0.1 mi. E. of S¼ cor. sec. 19, T. 18 N., R. 12 W., 60 ft. N. and 21 ft. E from junction of T-rd. E., in concrete post; standard tablet stamped "T T Sta No 53 E 1929" (recovered in 1935)-----	674.373
Reference mark, 225 ft. N. and 18 ft. W. from rd. junction, 17 ft. N. and 3 ft. E. from fence corner, in root on W. side of 9-in. mulberry tree; copper nail and washer-----	675.15

[Continued in Fithian quadrangle, line 3]

3. From point 2 miles south and 0.3 mile west from Broadlands along roads east to crossroads 2 miles south and 0.5 mile west from Sidell, thence north to Sidell (by S. R. Archer in 1935)

[Continued from Camargo quadrangle, line 3]

Broadlands, 2.0 mi. S. of, 5.5 mi. N. and 0.5 mi. W. from Newman, near cor. secs. 6, 6, 31, and 31, Tps. 16 and 17 N., Rs. 11 E. and 14 W., 20 ft. S. and 50 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 50 F 1929 690"-----	690.103
Broadlands, 2.0 mi. S. thence 0.8 mi. E. from, 0.26 mi. E. of S¼ cor. sec. 31, T. 17 N., R. 14 W., 55 ft. E. of sixteenth corner, on N. side of rd, in fence line, in root on S. side of 24-in. Osage-orange tree; copper nail and washer-----	687.05

⁵⁸ Established as a reference mark to standard iron post with bronze cap stamped "1906 677," described in line 1.

Broadlands, 2.0 mi. S. thence 1.5 mi. E. from, near S $\frac{1}{4}$ cor. sec. 32, T. 17 N., R. 14 W., 170 ft. N. of junction of T-rd. S., on E. side of private rd. N., in root on SE. side of 36-in. cottonwood tree; copper nail and washer-----	<i>Feet</i> 693. 16
Broadlands, 2.0 mi. S. thence 2.3 mi. E. from, 0.25 mi. W. of N $\frac{1}{4}$ cor. sec. 4, T. 16 N., R. 14 W., 40 ft. E. of junction of T-rd. S.; top of S. end of corrugated-iron drain-----	697. 38
Broadlands, 2.0 mi. S. thence 3.0 mi. E. from, 2.0 mi. S. of Allerton, near NW. cor. sec. 3, T. 16 N., R. 14 W., 20 ft. S. and 60 ft. E. from crossroads, 19 ft. E. of concrete highway right-of-way marker, in concrete post; standard tablet stamped "T T Sta No 51 F 1929 700"-----	700. 264
Allerton, 2.0 mi. S. thence 1.0 mi. E. from, near NE. cor. sec. 3, T. 16 N., R. 14 W., 280 ft. S. of crossroads, on W. side of rd., in field, in root on E. side of 25-in. Osage-orange tree; copper nail and washer-----	720. 24
Allerton, 2.0 mi. S. thence 2.0 mi. E. from, near NE. cor. sec. 2, T. 16 N., R. 14 W., in SW. angle of crossroads, in field, in root on S. side of large forked willow tree; copper nail and washer-----	724. 25
Allerton, 2.0 mi. S. thence 2.5 mi. E. from, 2.0 mi. S. of Hastings, 2.0 mi. S. and 3.5 mi. W. from Sidell, near N $\frac{1}{4}$ cor. sec. 1, T. 16 N., R. 14 W., 20 ft. S. and 25 ft. W. from junction of T-rd. N., in concrete post; standard tablet stamped "T T Sta No 52 F 1929 729"-----	729. 143
Sidell, 2.0 mi. S. and 3.0 mi. W. from, near NW. cor. sec. 6, T. 16 N., R. 13 W., 40 ft. E. of junction of T-rd. S.; top of rim at S. end of cast-iron drain-----	723. 19
Sidell, 2.0 mi. S. and 2.1 mi. W. from, 0.1 mi. W. of NE. cor. sec. 6, T. 16 N., R. 13 W., 430 ft. E. of junction of T-rd. N., 530 ft. W. of T-rd. S., on S. side of rd., at fence line, in root on NW. side of 24-in. Osage-orange tree; copper nail and washer-----	720. 60
Sidell, 2.0 mi. S. and 1.0 mi. W. from, near NW. cor. sec. 4, T. 16 N., R. 13 W., 28 ft. S. and 20 ft. E. from junction of T-rd. S., 13 ft. S. of fence corner; standard iron post with bronze cap stamped "706"-----	706. 077
Sidell, 2.0 mi. S. and 0.5 mi. W. from, near quarter corner between secs. 4 and 33, Tps. 16 and 17 N., R. 13 W., at offset crossroads, 25 ft. W. of Chicago & Eastern Illinois Ry. crossing, 15 ft. E. of junction of rd. S., on N. head wall of concrete culvert; chiseled square-----	699. 49
Sidell, 1.0 mi. S. and 0.5 mi. W. from, near N $\frac{1}{4}$ cor. sec. 33, T. 17 N., R. 13 W., 280 ft. W. of C. & E. I. Ry. crossing, in SW. angle of junction of E.-W. rd., in fence corner, in root on E. side of 40-in. maple tree; copper nail and washer-----	694. 74
4. From crossroads 2 miles south of Broadlands north along range-line road 8 miles to point 2.8 miles south and 1.9 miles west from Homer (by S. R. Archer in 1935)	
Broadlands, 1.0 mi. S. of, near cor. secs. 30, 30, 31, and 31, T. 17 N., Rs. 11 E. and 14 W., in NW. corner of crossroads, on N. concrete head wall of culvert under rd. W.; chiseled square-----	708. 34
Broadlands, at E. edge of, just E. of Chicago & Eastern Illinois Ry. sta., on S. side of track, 50 ft. E. of crossroads, on W. end of S. head wall of concrete culvert; chiseled square-----	682. 87

Broadlands, 1.0 mi. N. of, 55 ft. S. and 30 ft. E. from junction of T-rd. W. and E. cor. secs. 18 and 19, T. 17 N., R. 11 E., 40 ft. S. and 30 ft. E. from junction of T-rd. E. and W. cor. secs. 18 and 19, T. 17 N., R. 14 W., 20 ft. S. of fence corner, in concrete post; standard tablet stamped "T T Sta No 55 F 1929 689"-----	<i>Feet</i> 689. 524
Broadlands, 2.0 mi. N. of, near E. cor. secs. 7 and 18, T. 17 N., R. 11 E., in NW. corner of crossroads, on N. concrete head wall of culvert under rd. W.; chiseled square-----	682. 76
Broadlands, 3.0 mi. N. of, 35 ft. N. and 27 ft. W. from junction of rd. W. and E. cor. secs. 6 and 7, T. 17 N., R. 11 E., 50 ft. N. and 27 ft. W. from junction of rd. E. and W. cor. secs. 6 and 7, T. 17 N., R. 14 W., in concrete post; standard tablet stamped "T T Sta No 54 F 1929 683"-----	683. 352
Broadlands, 4.0 mi. N. of, near SE. cor. sec. 31, T. 18 N., R. 11 E., 40 ft. N. and 155 ft. W. from center of crossroads, in root on S. side of 12-in. walnut tree; copper nail and washer-----	680. 19
Broadlands, 5.0 mi. N. of, 1.9 mi. W. thence 3.8 mi. S. from Homer, near NE. cor. sec. 31, T. 18 N., R. 11 E., 40 ft. S. and 18 ft. W. from center of crossroads, in root on E. side of 24-in. hackberry tree; copper nail and washer-----	689. 37
5. From crossroads 2 miles south of Broadlands generally south along roads to point 3.3 miles south and 0.2 mile west from Newman (by S. R. Archer in 1935)	
Broadlands, 2.8 mi. S. of, 0.25 mi. S. of quarter corner between secs. 6 and 6, T. 16 N., R. 11 E. and 14 W., at concrete bridge, on W. parapet of S. abutment; chiseled square-----	680. 46
Broadlands, 3.0 mi. S. of, near NE. cor. sec. 7, T. 16 N., R. 11 E., in SW. corner of crossroads, on S. head wall of concrete culvert under rd. W.; chiseled square-----	684. 56
Broadlands, 3.7 mi. S. thence 0.3 mi. E. from, 3.8 mi. N. thence 0.2 mi. W. from Newman, about 400 ft. E. of center of SW $\frac{1}{4}$ sec. 7, T. 16 N., R. 14 W., 0.33 mi. E. of junction of T-rd. E., 930 ft. W. of junction of N-S. rd., on S. head wall of concrete culvert; chiseled square-----	678. 03
Newman, 3.5 mi. N. of, near N $\frac{1}{4}$ cor. sec. 18, T. 16 N., R. 14 W., in SE. angle of junction of T-rd. E., on W. end of S. head wall of concrete culvert under rd. E.; chiseled square-----	660. 36
Newman, 2.5 mi. N. of, near N $\frac{1}{4}$ cor. sec. 19, T. 16 N., R. 14 W., 23 ft. S. and 23 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 56 F 1929 648"-----	648. 311
Reference mark, 430 ft. N. of tablet, 410 ft. N. of crossroads, on S. end of E. head wall of concrete culvert; chiseled square-----	650. 35
Newman, 1.5 mi. N. of, near N $\frac{1}{4}$ cor. sec. 30, T. 16 N., R. 14 W., in SE. angle of crossroads, at front entrance to schoolhouse, on NW. corner of concrete step; chiseled square-----	648. 00
Newman, at N. edge of, 120 ft. SW. of center of five-way rd. junction, at E. corner of triangle between rd. W. and street SW., on N. side of street SW., in root on N. side of 10-in. maple tree; copper nail and washer-----	649. 58
Newman, 100 ft. S. and 45 ft. E. from street intersection at NW. corner of public square, 2 ft. E. of concrete retaining wall, in concrete post; standard tablet stamped "T T Sta No 57 F 1929 646"-----	645. 816

Newman, 0.5 mi. S. of, 0.07 mi. S. and 0.3 mi. W. from N $\frac{1}{4}$ cor. sec. 4, T. 15 N., R. 14 W., 330 ft. S. of junction of T-rd. S., 15 ft. N. of NE. end of E. wing wall of N. abutment of steel bridge, on N. end of highest section of concrete retaining wall; chiseled square-----	<i>Feet</i> 641. 17
Newman, 1.8 mi. S. of, 0.25 mi. W. of quarter corner between secs. 4 and 9, T. 15 N., R. 14 W., 40 ft. E. of junction of E.-W. rd., on S. head wall of concrete culvert; chiseled square-----	644. 39
Newman, 1.8 mi. S. thence 0.2 mi. W. from, near W. cor. secs. 4 and 9, T. 15 N., R. 14 W., 200 ft. E. of junction of T-rd. S., at W. concrete abutment of small bridge, on NW. end of N. wing wall; chiseled square-----	643. 64
Newman, 2.8 mi. S. and 0.2 mi. W. from; near SW. cor. sec. 9, T. 15 N., R. 14 W., 30 ft. N. of junction of T-rd. E., on S. end of E. concrete head wall of culvert; chiseled square-----	654. 92
Newman, 3.3 mi. S. and 0.2 mi. W. from, near E $\frac{1}{4}$ cor. sec. 17, T. 15 N., R. 14 W., 40 ft. S. and 20 ft. W. from junction of T-rd. W., in concrete post; standard tablet stamped "T T Sta No 58 F 1929 664"-----	663. 600
[Continued in Kansas quadrangle, line 4]	
6. From road junction 2.8 miles south and 0.2 mile west from Newman along roads east 4 miles, thence south about 0.7 mile (by S. R. Archer in 1935)	
Newman, 2.8 mi. S. and 0.8 mi. E. from, near SW. cor. sec. 10, T. 15 N., R. 14 W., in NE. angle of crossroads, in fence corner, in root on N. side of small forked elm tree; copper nail and washer-----	670. 99
Newman, 2.8 mi. S. and 1.8 mi. E. from, near NE. cor. sec. 15, T. 15 N., R. 14 W., 18 ft. S. and 40 ft. W. from crossroads, 19 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 91 E 1929 661"-----	661. 104
Newman, 2.8 mi. S. and 2.3 mi. E. from, near N $\frac{1}{4}$ cor. sec. 14, T. 15 N., R. 14 W., in SE. angle of intersection of State Highway 49, in NW. corner of yard, in root on NE. side of 24-in. maple tree; copper nail and washer-----	664. 43
Newman, 2.8 mi. S. and 2.8 mi. E. from, near SW. cor. sec. 12, T. 15 N., R. 14 W., in NE. corner of crossroads, at E. end of concrete culvert under rd. N., on SE. end of SE. wing wall; chiseled square-----	665. 98
Newman, 2.8 mi. S. and 2.8 mi. E. from, 1.0 mi. S. and 1.5 mi. W. from Hughes, 1.0 mi. N. of Payne Siding, near SW. cor. sec. 12, T. 15 N., R. 13 W., at offset crossroads, 35 ft. E. of junction of rd. E., on N. head wall of concrete culvert; chiseled square-----	663. 20
[Connects with line 1 in Kansas quadrangle]	
7. From crossroads 1 mile south and 1.5 miles west from Hughes generally east along roads to point 3 miles south and 2.8 miles east from Metcalf (by S. R. Archer in 1935)	
Hughes, 1.0 mi. S. and 0.5 mi. W. from, near NW. cor. sec. 17, T. 15 N., R. 13 W., 21 ft. S. and 36 ft. E. from junction of T-rd. S., in concrete post; standard tablet stamped "T T 90 E 1929 663"-----	663. 221
Hughes, 1.0 mi. S. and 0.5 mi. E. from, 0.4 mi. W. of Melwood, near SE. cor. sec. 8, T. 15 N., R. 13 W., 30 ft. W. of crossroads, on N. head wall of concrete culvert; chiseled square-----	661. 30
Melwood, at New York, Chicago & St. Louis R. R. crossing; top of E. rail-----	670. 5

Melwood, 0.6 mi. E. of, 3.5 mi. S. and 0.2 mi. W. from Hume, near SW. cor. sec. 10, T. 15 N., R. 13 W., 50 ft. E. of crossroads, on W end of N. head wall of concrete culvert; chiseled square-----	<i>Feet</i> 663. 34
Hume, 3.5 mi. S. and 0.8 mi. E. from, 2.5 mi. S. and 1.8 mi. W. from Metcalf, near SE. cor. sec. 10, T. 15 N., R. 13 W., 21 ft. N. and 28 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 89 E 1929 665"-----	665. 227
Metcalf, 2.5 mi. S. and 0.5 mi. W. from, 0.25 mi. E. of NW. cor. sec. 13, T. 15 N., R. 13 W., 150 ft. S. of junction of N.-S. rd., on W. side of rd., at entrance to schoolhouse, on N. end of lower concrete step; chiseled square-----	674. 30
Metcalf, 3.0 mi. S. and 0.5 mi. W. from, 0.25 mi. W. of center of sec. 13, T. 15 N., R. 13 W., 60 ft. E. of junction of T-rd. E., on S. side of road, inside fence, in root on S. side of 12-in. catalpa tree; copper nail and washer-----	672. 74
Metcalf, 3.0 mi. S. and 0.3 mi. E. from, 830 ft. E. of crossroads and W $\frac{1}{4}$ cor. sec. 18, T. 15 N., R. 12 W., on S. side of rd., in NW. corner of yard of farmhouse, in root on NW. side of 24-in. cottonwood tree; copper nail and washer-----	668. 99
Metcalf, 3.0 mi. S. and 1.0 mi. E. from, near quarter corner between secs. 17 and 18, T. 15 N., R. 12 W., on N. side of rd., 50 ft. W. of driveway N., 1 ft. S. and 7 ft. E. from corner post of fence line N., in concrete post; standard tablet stamped "T T 88 E 1929 659"-----	658. 503
Metcalf, 3.0 mi. S. and 2.0 mi. E. from, near W $\frac{1}{4}$ cor. sec. 16, T. 15 N., R. 12 W., 165 ft. E. of junction of T-rd. S., on S. side of rd., in fence line, in root on N. side of 14-in. Osage-orange tree; copper nail and washer-----	655. 53

[Continued in Ridge Farm quadrangle, line 1]

8. From point 2.5 miles north and 2.8 miles east from Metcalf alternately west and north along roads to crossroads 1 mile north of Hildreth (by S. R. Archer in 1935)

[Continued from Ridge Farm quadrangle, line 1]

Metcalf, 2.5 mi. N. and 2.5 mi. E. from, 2.0 mi. S. and 4.0 mi. E. from Hildreth, near S $\frac{1}{4}$ cor. sec. 18, T. 16 N., R. 12 W., 35 ft. N. of junction of T-rd. N., at diagonal concrete culvert, on NW. end of NW. wing wall of NE. head wall; chiseled square-----	656. 76
Hildreth, 1.0 mi. S. and 4.0 mi. E. from, near S $\frac{1}{4}$ cor. sec. 7, T. 16 N., R. 12 W., in NW. corner of crossroads, on N. end of E. wall of N. head wall of concrete culvert under rd. W.; chiseled square-----	698. 72
Hildreth, 4.0 mi. E. of, near N $\frac{1}{4}$ cor. sec. 7, T. 16 N., R. 12 W., 20 ft. S. and 30 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 85 F 1929 735" (recovered in 1936)-----	735. 293
Reference mark, in NW. corner of crossroads, on N. end of E. wall of N. head wall of concrete culvert; chiseled square-----	733. 58
Hildreth, 3.2 mi. E. of, 0.16 mi. E. of N $\frac{1}{4}$ cor. sec. 12, T. 16 N., R. 13 W., about 850 ft. E. of junction of N.-S. rd., on W. end of S. head wall of concrete culvert; chiseled square-----	735. 05
Hildreth, 1.0 mi. N. thence 3.0 mi. E. from, near S $\frac{1}{4}$ cor. sec. 36, T. 17 N., R. 13 W., at Edgar-Vermillion county line, in NW. angle of junction of T-rd. W., in SE. corner of yard of farmhouse, in root on SE. side of 25-in. maple tree; copper nail and washer-----	697. 42

Hildreth, 1.0 mi. N. thence 2.3 mi. E. from, 0.25 mi. E. of N $\frac{1}{4}$ cor. sec. 2, T. 16 N., R. 13 W., 150 ft. W. of junction of T-rd. N., on E. end of S. head wall of concrete culvert under Edgar-Vermilion county-line rd.; chiseled square-----	<i>Feet</i> 689. 39
Hildreth, 1.0 mi. N. thence 1.5 mi. E. from, 20 ft. S. and 35 ft. E. from junction of T-rd. S., at N. cor. secs. 2 and 3, T. 16 N., R. 13 W., 20 ft. S. and 75 ft. E. from intersection of rd. and fence line at S. cor. secs. 34 and 35, T. 17 N., R. 13 W., in concrete post; standard tablet stamped "T T 86 F 1929 696"-----	696. 229
9. From crossroads 4 miles east of Hildreth generally north along roads to road junction 2.6 miles east and 0.5 mile north from Jamaica (by S. R. Archer in 1935)	
Hildreth, 1.2 mi. N. and 4.0 mi. E. from, near quarter corner between secs. 6 and 31, Tps. 16 and 17 N., R. 12 W., 300 ft. W. of right angle N. in rd., in Edgar-Vermilion county-line fence, in notch in trunk on S. side of 10-in. wild-cherry tree; copper nail and washer-----	697. 24
Hildreth, 2.2 mi. N. and 4.0 mi. E. from, 3.0 mi. SW. of Indianola, near quarter corner between secs. 30 and 31, T. 17 N., R. 12 W., 33 ft. N. and 63 ft. E. from rd. junction, 55 ft. W. of center line extended of rd. S., 3 ft. S. and 1 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 80 E 1929 674"-----	673. 639
[Jogs into Ridge Farm quadrangle, line 2]	
Indianola, 1.6 mi. NW. of, 0.25 mi. E. of center of sec. 7, T. 17 N., R. 12 W., 40 ft. W. of crossroads, on N. side of rd., 13 ft. W. of fence corner, in root on N. side of westernmost of group of four Osage-orange trees; copper nail and washer-----	667. 94
Indianola, 2.0 mi. N. and 0.7 mi. W. from, 2.6 mi. E. thence 2.1 mi. S. from Jamaica, 0.25 mi. W. of E $\frac{1}{4}$ cor. sec. 6, T. 17 N., R. 12 W., 25 ft. N. and 19 ft. W. from junction of T-rd. E., in concrete post; standard tablet stamped "T T 78 E 1929 669"-----	668. 817
Jamaica, 2.6 mi. E. thence 1.5 mi. S. from, 0.15 mi. E. of S $\frac{1}{4}$ cor. sec. 31, T. 18 N., R. 12 W., at offset crossroads, 45 ft. N. of junction of T-rd. N., on E. side of rd., 24 ft. N. of fence corner, in root on SW. side of 24-in. hedge tree; copper nail and washer-----	667. 43
Jamaica, 2.6 mi. E. thence 1.1 mi. S. from, 0.15 mi. E. of center of sec. 31, T. 18 N., R. 12 W., at bridge over drainage ditch, on SE. end of SE. concrete wing wall; chiseled square-----	669. 59

KANKAKEE QUADRANGLE

[Latitude 41°00'–41°15'; longitude 87°45'–88°00']

IROQUOIS AND KANKAKEE COUNTIES

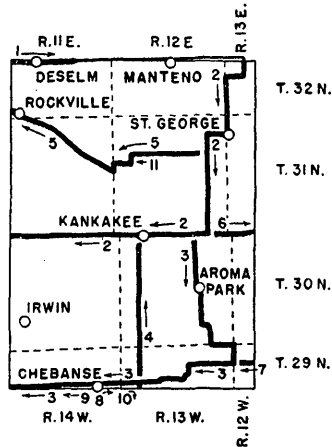


FIGURE 178.—Lines of leveling in Kankakee quadrangle.

1. From point 1.3 miles west of Deselm east along road to point about 2 miles east of Deselm (by H. S. Senseney in 1922; releveled by W. C. Elledge in 1940)

[Continued from Herscher quadrangle, line 2]

Deselm, 1.0 mi. W. of, near SW cor. sec. 17, T. 32 N., R. 11 E., 30 ft. N. and 25 ft. E. from crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 18 1915 S 1"	Feet 642. 232
Deselm, in NW. angle of crossroads, at store of B. M. Shreffler, on SE. corner of concrete step; chiseled square (not recovered in 1940)	682. 26
Deselm, in front of schoolhouse, on concrete platform, 1 ft. N. of bottom step; chiseled square (established in 1940)	684. 38
Deselm, 1.0 mi. E. of, near N. cor. secs. 21 and 22, T. 32 N., R. 11 E., 23 ft. S. of rd., in line with fence S., on W. head wall of concrete culvert; chiseled square (established in 1940)	640. 40
Deselm, 1.4 mi. E. of, in SW¼ sec. 15, T. 32 N., R. 11 E., on NW. corner of W. abutment of steel bridge; chiseled square (not recovered in 1940)	635. 86
Deselm, 2.0 mi. E. of, near NW. cor. sec. 23, T. 32 N., R. 11 E., 20 ft. S. and 35 ft. E. from junction of T-rd. S., in concrete post; aluminum tablet stamped "Prim Trav Sta No 31 W 1921 S 2"	648. 455
Reference mark, 140 ft. W. of tablet, on S. side of rd., in root of catalpa tree; spike (not recovered in 1940)	648. 57

[Continued in Peotone quadrangle, line 1]

2. From point 3.8 miles east of Manteno along roads alternately south and west to crossroads at south corner secs. 35 and 36, T. 31 N., R. 12 E., thence west along township-line road by way of Kankakee to point 0.5 mile north and 1 mile east from Lehigh (by H. S. Senseney in 1922)

[Continued from Peotone quadrangle, line 1]

Manteno, 3.8 mi. E. thence 1.0 mi. S. from, 3.0 mi. N. and 0.8 mi. E. from St. George, near SW. cor. sec. 20, T. 32 N., R. 13 E., in NE. angle of junction of T-rd. N., on concrete base of corner fence post; chiseled square-----	Feet 672.32
St. George, 3.0 mi. N. and 0.2 mi. W. from, near NE. cor. sec. 25, T. 32 N., R. 12 E., 210 ft. W. of crossroads, on S. end of E. abutment of small bridge; chiseled square-----	673.60
St. George, 2.0 mi. N. and 0.2 mi. W. from, near NE. cor. sec. 36, T. 32 N., R. 12 E., in SW. angle of crossroads, on concrete base of corner fence post; chiseled square-----	677.16
St. George, 1.0 mi. N. and 0.2 mi. W. from, near cor. Tps. 31 and 32 N., Rs. 12 and 13 E., 60 ft. S. and 25 ft. E. from crossroads, in concrete post; standard stablet stamped "Prim Trav Sta No 72 S 1922 S 6"-----	667.532
Reference mark, 630 ft. S. of tablet, on W. side of rd., at N. end of gate, on concrete base of gatepost; chiseled square-----	665.77
St. George, 0.2 mi. W. of, near NE. cor. sec. 12, T. 31 N., R. 12 E., 30 ft. W. of crossroads, on S. end of stone culvert; chiseled square-----	649.28
St. George, 1.2 mi. W. of, near SW. cor. sec. 1, T. 31 N., R. 12 E., in NE. angle of crossroads, on concrete base of corner fence post; chiseled square-----	662.28
St. George, 1.2 mi. W. thence 1.0 mi. S. from, near SE. cor. sec. 11, T. 31 N., R. 12 E., 50 ft. N. and 20 ft. W. from crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 71 S 1922 S 7"-----	655.495
Reference mark, 480 ft. N. of iron post, on E. side of rd., in root of maple tree; spike-----	657.64
St. George, 1.2 mi. W. thence 2.0 mi. S. from, near SE. cor. sec. 14, T. 31 N., R. 12 E., in NW. angle of crossroads, on concrete base of corner fence post; chiseled square-----	643.24
St. George, 1.2 mi. W. thence 4.0 mi. S. from, 3.3 mi. E. thence 1.0 mi. N. from Kankakee post office, near SE. cor. sec. 26, T. 31 N., R. 12 E., 50 ft. N. and 20 ft. W. from crossroads, in concrete post; aluminum tablet stamped "Prim Trav Sta No 70 S 1922 S 8" ⁵⁹ -----	657.088
Reference mark, 480 ft. N. of tablet, in fence line, in root on N. side of 36-in. boxelder tree; copper nail and washer (established in 1936)-----	653.85
Reference mark 1, 520 ft. S. of tablet, on E. side of rd., in root of ash tree; spike-----	663.87
Reference mark 2, 480 ft. N. of tablet, at fence line, in root on N. side of 36-in. boxelder tree; copper nail and washer (established in 1936)-----	653.85
Kankakee, 3.3 mi. E. of post office, near SW. cor. sec. 36, T. 31 N., R. 12 E., in NE. angle of junction of T-rd. N., on concrete culvert; chiseled square-----	617.25

⁵⁹ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "V 27 1934," elevation 643.804 ft.

Kankakee, 2.5 mi. E. of, near NE. cor. sec. 3, T. 30 N., R. 13 W., in SW. angle of junction of T-rd. S., on concrete culvert; chiseled square -----	<i>Feet</i> 660. 43
Kankakee, 1.5 mi. E. of, 0.25 mi. W. of S¼ cor. sec. 34, T. 31 N., R. 12 E., in NW. angle of junction of T-rd. N., on concrete culvert; chiseled square -----	653. 16
Kankakee, at NW. corner of intersection of East Merchant Street and South Harrison Avenue, 3 ft. E. of hydrant, on curb; chiseled square -----	649. 56
Kankakee, 10.5 ft. E. of Court Street entrance to post office, in concrete post; aluminum tablet stamped "1922 658" (recovered by U. S. C. & G. S. in 1934) ⁶⁰ -----	658. 234
Kankakee, at main entrance to post office, at SE. corner of granite floor of platform, 2 ft. above sidewalk; standard disk stamped "658 Reset 1939" -----	659. 652
Kankakee, at West Station Street bridge over Kankakee River, on N. end of E. abutment; chiseled square -----	604. 49
Kankakee River, West Station Street bridge over; center line of floor--	607. 0
Kankakee River, under bridge; surface of water Aug. 8, 1922-----	583. 2
West Kankakee, 0.9 mi. W. of bridge over Kankakee River, at NE. corner of intersection of West Station and Main Streets, on boulder; chiseled square -----	625. 76
West Kankakee, 1.7 mi. W. of, 0.25 mi. E. of SW. cor. sec. 36, T. 31 N., R. 11 E., 25 ft. N. and 65 ft. W. from junction of T-rd. N., in concrete post; aluminum tablet stamped "10 S 1922" (recovered by U. S. C. & G. S. in 1934) -----	629. 057
West Kankakee, 2.6 mi. W. of, 0.2 mi. W. of S¼ cor. sec. 35, T. 31 N., R. 11 E., 180 ft. E. of junction of T-rd. S., on N. side of rd., in root of maple tree; spike -----	624. 72
West Kankakee, 4.0 mi. W. of, 0.17 mi. E. of N¼ cor. sec. 4, T. 30 N., R. 14 W., 50 ft. S. and 20 ft. E. from junction of T-rd. N., at NE. corner of schoolhouse, in concrete post; aluminum tablet stamped "11 S 1922" -----	654. 874
Reference mark, 28 ft. NW. of tablet, in root of oak tree; spike-----	653. 59
West Kankakee, 5.1 mi. W. of, 0.5 mi. N. and 2.3 mi. E. from Lehigh, 0.05 mi. E. of N¼ cor. sec. 5, T. 30 N., R. 14 W., 900 ft. W. of junction of T-rd. N., on S. side of rd., on E. end of concrete culvert; chiseled square -----	660. 92
Lehigh, 0.5 mi. N. and 1.5 mi. E. from, near SW. cor. sec. 32, T. 31 N., R. 11 E., in NE. angle of junction of T-rd. N., on NW. corner of concrete culvert; chiseled square -----	652. 86

[Continued in Herscher quadrangle, line 3]

3. From road junction 2.5 miles east of Kankakee post office along roads alternately south and east by way of Aroma Park to crossroads at east corner secs. 1 and 12, T. 29 N., R. 13 W., thence west and south along roads and west along Iroquois-Kankakee county-line road to point 4.8 miles west of Chebanse (by H. S. Senseney in 1922)

Kankakee, 2.5 mi. E. thence 0.8 mi. S. from, 1.9 mi. N. and 0.3 mi. W. from Aroma Park, near SW. cor. sec. 2, T. 30 N., R. 13 W., at bridge over Baker Creek, on E. end of N. abutment; chiseled square----- 611. 94

⁶⁰ In 1939 this bench mark was destroyed and was replaced by a standard tablet stamped "658 Reset 1939"; see following description.

Aroma Park, 0.9 mi. N. and 0.3 mi. W. from, near NE. cor. sec. 15, T. 30 N., R. 13 W., 20 ft. S. and 20 ft. W. from junction of T-rd. E.; standard iron post with bronze cap stamped "Prim Trav Sta No 69 S 1922 S 22"-----	<i>Feet</i> 618. 350
Reference mark, 70 ft. NE. of iron post, in root of willow tree; copper nail and washer-----	618. 37
Aroma Park, at SE. corner of post office, in NE. angle of crossroads, in root of maple tree; copper nail and washer-----	609. 47
Aroma Park, at bridge over Kankakee River; center line of floor-----	613. 2
Kankakee River, under bridge; surface of water Aug. 18, 1922-----	594. 8
Aroma Park, 1.0 mi. S. of, 0.25 mi. E. of SW. cor. sec. 23, T. 30 N., R. 13 W., 150 ft. N. of junction of T-rd. W., on E. side of rd., in root of ash tree; copper nail and washer-----	612. 08
Aroma Park, 2.0 mi. S. of, 0.25 mi. E. of NW. cor. sec. 35, T. 30 N., R. 13 W., 45 ft. E. of junction of T-rd. E., on S. side of rd., in root of maple tree; copper nail and washer-----	620. 48
Aroma Park, 2.0 mi. S. and 0.5 mi. E. from, 0.25 mi. W. of SE. cor. sec. 26, T. 30 N., R. 13 W., 20 ft. N. of junction of T-rd. S., in concrete post; aluminum tablet stamped "Prim Trav Sta No 68 S 1922 S 23"---	641. 783
Reference mark, 100 ft. W. of tablet, on N. side of rd., in root of maple tree; copper nail and washer-----	637. 98
Aroma Park, 3.0 mi. S. and 0.5 mi. E. from, 0.25 mi. W. of NE. cor. sec. 2, T. 29 N., R. 13 W., 70 ft. E. of junction of T-rd. N., on S. side of rd., in root of maple tree; copper nail and washer-----	632. 89
Aroma Park, 4.0 mi. S. and 1.7 mi. E. from, 0.2 mi. S. and 2.8 mi. W. from St. Anne, near NE. cor. sec. 12, T. 29 N., R. 13 W., 50 ft. S. and 30 ft. W. from junction of T-rd. W.; standard iron post with bronze cap stamped "Prim Trav Sta No 51 W 1921 S 24" (recovered in 1934) -----	638. 781
Reference mark, 40 ft. S. of iron post, on NW. corner of concrete base of pump; chiseled square-----	638. 46
St. Anne, 0.2 mi. S. and 3.8 mi. W. from, near NW. cor. sec. 12, T. 29 N., R. 13 W., in SE. angle of crossroads, in root of Osage-orange tree; copper nail and washer-----	635. 27
St. Anne, 0.2 mi. S. and 4.8 mi. W. from, 1.0 mi. N. and 4.6 mi. E. from Chebanse, 60 ft. N. of S. cor. secs. 2 and 3, T. 29 N., R. 13 W., in root of walnut tree; copper nail and washer-----	632. 65
Chebanse, 0.5 mi. N. and 4.6 mi. E. from, near center of sec. 10, T. 29 N., R. 13 W., 190 ft. N. of junction of T-rd. E., on E. side of rd., in root of hickory tree; copper nail and washer-----	626. 44
Chebanse, 4.5 mi. E. of, at bridge over Iroquois River; center line of floor-----	620. 5
Iroquois River, under bridge; surface of water Aug. 23, 1922-----	598. 9
Chebanse, 4.4 mi. E. of, in SW $\frac{1}{4}$ sec. 10, T. 29 N., R. 13 W., 410 ft. SW. of bridge over Iroquois River, 30 ft. SW. of crossroads, in concrete post; aluminum tablet stamped "Prim Trav Sta No 52 W 1921 S 25"-----	619. 480
Reference mark, 730 ft. NW. of tablet, on NE. side of rd., in root of oak tree; copper nail and washer-----	620. 25
Chebanse, 3.2 mi. E. thence 0.2 mi. N. from, 0.25 mi. S. of W $\frac{1}{4}$ cor. sec. 9, T. 29 N., R. 13 W., in SE. angle of junction of T-rd. E., in root of maple tree; copper nail and washer-----	639. 80

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Chebanse, 2.2 mi. E. of, near NE. cor. sec. 18, T. 29 N., R. 13 W., in SW. angle of crossroads, in base of fence post; spike (reported destroyed)-----	<i>Feet</i> 635. 01
Chebanse, 1.2 mi. E. of, 30 ft. N. and 15 ft. W. from E. cor. secs. 12 and 13, T. 29 N., R. 14 W., in NW. angle of offset crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 53 W 1921 S 26" ^{a1} -----	642. 569
Chebanse, 1.2 mi. E. of, 31 ft. N. and 65 ft. W. from stone marking E. cor. secs. 12 and 13, T. 29 N., R. 14 W., in NW. angle of offset crossroads, in center of N. head wall of concrete culvert; standard tablet (recovered in 1936)-----	643. 949
Chebanse, about 500 ft. E. of Illinois Central R. R. crossing, in NW. angle of offset crossroads, in root of maple tree; copper nail and washer (reported destroyed)-----	656. 65
Chebanse, 1.9 mi. W. of, near SW. cor. sec. 10, T. 29 N., R. 14 W., in concrete post; aluminum tablet stamped "Prim Trav Sta No 54 W 1921 S 27" (recovered in 1934)-----	678. 667
Reference mark, 730 ft. W. of tablet, on N. side of rd., on concrete culvert; chiseled square (recovered in 1934)-----	674. 22
Chebanse, 2.9 mi. W. of, near SW. cor. sec. 9, T. 29 N., R. 14 W., in NE. angle of crossroads, on concrete culvert; chiseled square-----	682. 96
Chebanse, 3.9 mi. W. of, near NE. cor. sec. 18, T. 29 N., R. 14 W., in SW. angle of crossroads, on S. end of W. abutment of box culvert; chiseled square-----	694. 74

[Continued in Herscher quadrangle, line 4]

4. From crossroads 2.2 miles east of Chebanse north along road to Kankakee (by H. S. Senseney in 1922)

Chebanse, 2.2 mi. E. thence 1.0 mi. N. from, near NE. cor. sec. 7, T. 29 N., R. 13 W., in SW. angle of junction of T-rd. W., on boulder; chiseled square-----	645. 40
Chebanse, 2.2 mi. E. thence 2.0 mi. N. from, near SW. cor. sec. 21, T. 30 N., R. 13 W., in NW. angle of crossroads, in root of maple tree; copper nail and washer-----	646. 49
Chebanse, 2.2 mi. E. thence 3.0 mi. N. from, 5.0 mi. S. of Kankakee, near SW. cor. sec. 29, T. 30 N., R. 13 W., 45 ft. N. and 25 ft. E. from crossroads, in concrete post; aluminum tablet stamped "31 S 1922"-----	627. 594
Reference mark, 115 ft. SW. of tablet, in root of maple tree; spike-----	627. 45
Kankakee, 4.0 mi. S. of, near NE. cor. sec. 30, T. 30 N., R. 13 W., in SW. angle of crossroads, in root of maple tree; copper nail and washer-----	623. 71
Kankakee, 3.0 mi. S. of, 50 ft. N. of SE. cor. sec. 18, T. 30 N., R. 13 W., in root of willow tree; copper nail and washer-----	620. 00
Kankakee, 2.3 mi. S. of, 0.12 mi. N. of W¼ cor. sec. 17, T. 30 N., R. 13 W., on E. side of rd., at junction of T-rd. W., in concrete post; aluminum tablet stamped "32 S 1922"-----	621. 326
Reference mark, 60 ft. S. of tablet, on E. side of rd., on boulder; chiseled square-----	622. 48

^{a1} In 1925 this bench mark was destroyed and was replaced by a standard tablet; see following description.

Kankakee, near S. limits of, 110 ft. E. of N. cor. secs. 7 and 8, T. 30 N., R. 13 W., on N. side of East Jeffery Street, in root of maple tree; copper nail and washer-----	<i>Feet</i> 622. 26
Kankakee, at NW. corner of intersection of West Water and Wall Streets, in root of maple tree; copper nail and washer-----	611. 70
5. From crossroads 1 mile south and 1.2 miles west from St. George along roads alternately west and south to road junction 1 mile northwest of Bourbonnais, thence northwest to point 0.4 mile west of Rockville (by H. S. Senseney in 1922)	
St. George, 1.0 mi. S. and 2.2 mi. W. from, near N. cor. secs. 14 and 15, T. 31 N., R. 12 E., on S. side of rd., in root of maple tree; copper nail and washer-----	662. 19
St. George, 1.0 mi. S. and 3.2 mi. W. from, 0.8 mi. E. thence 1.0 mi. S. from Tucker, near NW. cor. sec. 15, T. 31 N., R. 12 E., 150 ft. S. of crossroads, on NE. corner of concrete culvert; chiseled square-----	663. 61
Tucker, 1.0 mi. SW. of, near NW. cor. sec. 16, T. 31 N., R. 12 E., 25 ft. S. and 50 ft. W. from crossroads, on W. side of I. C. R. R., in concrete post; aluminum tablet stamped "15 S 1922" (recovered in 1936) -----	686. 746
Reference mark, 50 ft. N. and 33 ft. E. from tablet, on W. head wall of concrete culvert; chiseled square (established in 1936)-----	687. 47
Tucker, 1.0 mi. SW. thence 1.0 mi. W. from, 1.6 mi. N. of Bourbonnais, near E. cor. secs. 7 and 18, T. 31 N., R. 12 E., 40 ft. W. of junction of T-rd. E., in root of tree; copper nail and washer (not recovered in 1936)-----	697. 32
Bourbonnais, 1.1 mi. N. thence 1.0 mi. W. from, near W $\frac{1}{4}$ cor. sec. 18, T. 31 N., R. 12 E., in NE. angle of junction of T-rd. E., on N. end of stone culvert; chiseled square-----	681. 59
Bourbonnais, 1.0 mi. NW. of, 230 ft. N. of SE. cor. sec. 13, T. 31 N., R. 11 E., on SW. side of diagonal rd., 25 ft. W. of junction of rd. N., in concrete post; aluminum tablet stamped "16 S 1922"-----	699. 770
Reference mark, 410 ft. SE. of tablet, on SW. side of rd., in root of maple tree; copper nail and washer-----	697. 29
Bourbonnais, 2.3 mi. NW. of, 4.8 mi. SE. of Rockville, in NE $\frac{1}{4}$ sec. 14, T. 31 N., R. 11 E., on SW. corner of concrete bridge over Davis Creek; chiseled square-----	650. 30
Rockville, 3.7 mi. SE. of, 0.2 mi. SE. of W $\frac{1}{4}$ cor. sec. 11, T. 31 N., R. 11 E., 300 ft. SE. of crossroads, on SW. corner of concrete culvert; chiseled square-----	660. 12
Rockville, 2.2 mi. SE. of, in SE $\frac{1}{4}$ sec. 4, T. 31 N., R. 11 E., on NE. side of rd., 60 ft. NW. of junction of rd. N., in concrete post; aluminum tablet stamped "17 S 1922"-----	649. 974
Rockville, 1.2 mi. SE. of, 0.2 mi. S. of NW. cor. sec. 4, T. 31 N., R. 11 E., on NE. side of rd., 40 ft. SE. of junction of rd. N., in root of cottonwood tree; copper nail and washer-----	611. 26
Rockville, 0.5 mi. SE. of, 0.1 mi. NW. of S $\frac{1}{4}$ cor. sec. 32, T. 32 N., R. 11 E., on S. end of W. abutment of bridge over Rock Creek; chiseled square-----	588. 44

[Connects with line 3 in Herscher quadrangle]

6. From crossroads 3.3 miles east of Kankakee east along township-line road 2.5 miles to bridge over Kankakee River (by S. R. Archer in 1922)

Kankakee, 4.5 mi. E. of, 0.18 mi. E. of SW. cor. sec. 31, T. 31 N., R. 13 E., 0.3 mi. W. of junction of T-rd. N., on N. side of rd., 50 ft. E. of driveway to barn, at fence line, in root on S. side of 24-in. maple tree; copper nail and washer-----	Feet 618.92
Kankakee, 4.8 mi. E. of, near S $\frac{1}{4}$ cor. sec. 31, T. 31 N., R. 13 E., in NE. angle of junction of T-rd. N., on top of E. end of concrete culvert under N-S. rd.; chiseled square-----	616.51
Kankakee, 5.4 mi. E. of, 0.14 mi. W. of NE. cor. sec. 6, T. 30 N., R. 12 W., 55 ft. S. of junction of rd. SW., at NW. corner of concrete bridge, on parapet; chiseled square-----	611.98
Kankakee, 5.7 mi. E. of, 3.0 mi. S. and 4.7 mi. W. from Momence, 0.15 mi. W. of S $\frac{1}{4}$ cor. sec. 32, T. 31 N., R. 13 E., at W. stone abutment of bridge over Kankakee River, on W. end of N. wing wall; chiseled square-----	611.37

[Continued in Momence quadrangle, line 1]

7. From point 0.2 mile south and 1.8 miles west from St. Anne west along road 1.1 miles to crossroads 4 miles south and 1.7 miles east from Aroma Park (by S. R. Archer in 1922; releveled by F. W. Butterfield in 1934)

[Continued from Momence quadrangle, line 1]

St. Anne, 0.2 mi. S. and 1.9 mi. W. from, near SW. cor. sec. 5, T. 29 N., R. 12 W., 170 ft. N. and 25 ft. E. from crossroads, at fence line, on top near center of concrete head wall of tile drain outlet; chiseled square (reported destroyed)-----	635.38
St. Anne, 0.2 mi. S. and 1.9 mi. W. from, near SE. cor. sec. 6, T. 29 N., R. 12 W., 15 ft. N. and 27 ft. W. from crossroads, on angle of N. head wall of concrete culvert; chiseled square (established in 1934)-----	637.33

8. Along roads north to Chebanse, thence east 1 mile (by C. O. Harris in 1934)

[Continued from Ashkum quadrangle, line 5]

Chebanse, 70 ft. S. and 24 ft. W. from intersection of Iroquois-Kankakee county-line rd. and U. S. Highway 45, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 17 1934"-----	671.023
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9. From Chebanse west along Iroquois-Kankakee county-line road 2 miles (by C. O. Harris in 1934)

Chebanse, 1.0 mi. W. of, near SW. cor. sec. 11, T. 29 N., R. 14 W., 15 ft. N. and 27 ft. E. from crossroads, on angle of N. head wall of concrete culvert; chiseled square-----	659.12
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10. From crossroads 1.2 miles east of Chebanse east along Iroquois-Kankakee county-line road 1 mile, thence south 0.3 mile along State Highway 49 (by E. W. Gouchenour in 1936; leveled twice)

Chebanse, 1.2 mi. E. of, near E. cor. secs. 12 and 13, T. 29 N., R. 14 W., on S. head wall of concrete culvert; chiseled square ²² -----	643.92
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²² Established as a reference mark to standard tablet described in line 3.

Chebanse, 2.2 mi. E. of, near NE. cor. sec. 18, T. 29 N., R. 13 W., 27 ft.
S. and 27 ft. W. from intersection of State Highway 49 and Iroquois-
Kankakee county-line rd., on W. head wall of concrete culvert;
chiseled square-----

Feet
636. 43

[Continued in Ashkum quadrangle, line 6]

11. From crossroads 1 mile southwest of Tucker west along
road 1 mile to junction of U. S. Highway 45 (by E. W.
Gouchenour in 1936; leveled twice)

Tucker, 1.0 mi. SW. thence 1.0 mi. W. from, 1.6 mi. N. of Bourbon-
nais, near E. cor. secs. 7 and 18, T. 31 N., R. 12 E., in root on E.
side of black-locust tree; copper nail and washer-----
U. S. C. & G. S. standard disk stamped "B 26 1934"-----

696. 94
694. 260

KANSAS QUADRANGLE

[Latitude 39°30'–39°45'; longitude 87°45'–88°00']

COLES, DOUGLAS, AND EDGAR COUNTIES

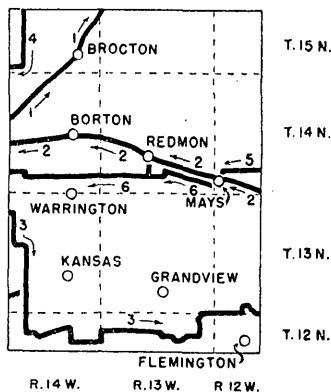


FIGURE 179.—Lines of leveling in Kansas quadrangle.

1. From point 1.6 miles northeast of Oakland northeast along Toledo, St. Louis & Western Railroad⁶³ to Brocton, thence north and northeast along Cincinnati, Hamilton & Dayton Railway⁶⁴ about 2.8 miles (by T. A. Green in 1906; first-order leveling)

[Continued from Oakland quadrangle, line 1]

Oakland, 3.0 mi. NE. of, 3.4 mi. SW. of Brocton, 465 ft. N. of small bridge 302, 30 ft. E. of milepost "St. L. 150–T. 301," 50 ft. E. of track, in field; standard iron post with bronze cap stamped "1906 661" and designated "D 4"-----	Feet 661. 219
Brocton, 0.5 mi. SW. of, 65 ft. N. of rd. crossing, 35 ft. W. of track, in fence corner; standard iron post with bronze cap stamped "1906 661" and designated "E 4"-----	661. 606
Brocton, 2.4 mi. NE. of, 2.3 mi. SW. of Hughes, at Payne Siding, 50 ft. SE. of switch, 25 ft. E. of tracks, 15 ft. N. of county rd., 6 ft. E. of telephone pole; standard iron post with bronze cap stamped "1906 678" and designated "F 4" (recovered in 1935)-----	678. 083

[Continued in Hume quadrangle, line 1]

2. From point 2.2 miles southeast of Mays northwest and west along Vandalia Railroad⁶⁵ to point 1.5 miles east of Oakland (by C. H. Semper in 1907; first-order leveling)

[Continued from Paris quadrangle, line 1]

Mays, 555 ft. SE. of sta., 150 ft. SE. of milepost T. H. 26, on N. side of track, in culvert; aluminum tablet stamped "691" (recovered in 1936)-----	689. 835
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⁶³ Now part of the New York, Chicago & St. Louis R. R.

⁶⁴ Later the Kansas & Sidell R. R., now abandoned.

⁶⁵ Now part of the Pennsylvania Railroad.

Mays, 1.4 mi. NW. of, 2.5 mi. SE. of Redmon, 1,050 ft. W. of rd. crossing, on S. side of track, in culvert under R. R.; aluminum tablet stamped "681"-----	<i>Feet</i> 679. 949
Redmon, at Redmon Bank, in front wall, on S. side of SE. corner; aluminum tablet stamped "691" (recovered in 1936)-----	689. 713
Borton, 0.5 mi. E. of, 1.2 mi. E. of Isabel, at rd. crossing, on N. side of track, in culvert under R. R.; aluminum tablet stamped "664"-----	668. 624
Isabel, 2.0 mi. W. of, 1.8 mi. E. of Oakland, 100 ft. N. and 276 ft. W. from rd. crossing, in house of Ed. Gobert; aluminum tablet stamped "645"-----	644. 100

[Continued in Oakland quadrangle, line 2]

3. From point 0.8 mile south and 3.4 miles west from Warrington along roads alternately east and south to point 3 miles south and 2.2 miles west from Kansas, thence generally east to point 1.5 miles north and 0.8 mile east from Flemington (by S. R. Archer in 1932)

[Continued from Oakland quadrangle, line 14]

Warrington, 1.0 mi. S. and 3.3 mi. W. from, 0.25 mi. E. of SW. cor. sec. 5, T. 13 N., R. 14 W., 35 ft. N. and 20 ft. E. from junction of T-rd. E., in concrete post; standard tablet stamped "T T 61 F 1929"-----	677. 407
Warrington, 1.5 mi. S. and 3.3 mi. W. from, 0.25 mi. E. of W $\frac{1}{4}$ cor. sec. 8, T. 13 N., R. 14 W., 35 ft. N. of crossroads, on W. side of rd., 13 ft. N. of fence corner, in root on S. side of 8-in. tree, northwesternmost of two hedge trees standing together; copper nail and washer-----	678. 16
Warrington, 2.5 mi. S. and 3.3 mi. W. from, 0.25 mi. W. of center of sec. 17, T. 13 N., R. 14 W., 205 ft. W. of junction of E.-W. rd., on top of N. head wall of concrete culvert; chiseled square-----	678. 77
Warrington, 2.5 mi. S. and 2.5 mi. W. from, 2.2 mi. W. thence 1.5 mi. N. from Kansas, near E $\frac{1}{4}$ cor. sec. 17, T. 13 N., R. 14 W., 45 ft. N. of junction of N.-S. rd., on W. side of rd., inside fence, in root on W. side of 40-in. cottonwood tree; copper nail and washer-----	687. 86
Kansas, 2.2 mi. W. thence 1.0 mi. N. from, near SW. cor. sec. 16, T. 13 N., R. 14 W., in NE. angle of junction of T-rd. E., in root on NE. side of 26-in. hedge tree; copper nail and washer-----	690. 01
Kansas, 2.2 mi. W. thence 0.5 mi. N. from, near W $\frac{1}{4}$ cor. sec. 21, T. 13 N., R. 14 W., 80 ft. N. of junction of T-rd. W., on N. end of E. head wall of concrete culvert; chiseled square-----	692. 22
Kansas, 2.2 mi. W. of, near NE. cor. sec. 29, T. 13 N., R. 14 W., 50 ft. S. and 20 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta 62 F 1929"-----	693. 117
Kansas, 2.2 mi. W. thence 0.8 mi. S. from, 2.2 mi. NE. of Ashmore, 0.25 mi. N. of SW. cor. sec. 28, T. 13 N., R. 14 W., 240 ft. S. of crossroads, on E. side of highway, on top of N. head wall of concrete culvert under driveway to field; chiseled square-----	694. 26
Kansas, 2.2 mi. W. thence 1.5 mi. S. from, near quarter corner between secs. 32 and 33, T. 13 N., R. 14 W., 0.2 mi. N. of crossroads, on top of W. parapet of S. concrete abutment of bridge; chiseled square--	695. 41
Kansas, 2.2 mi. W. thence 2.5 mi. S. from, near E $\frac{1}{4}$ cor. sec. 5, T. 12 N., R. 14 W., on W. side of highway, on top of N. head wall of concrete culvert under driveway to field; chiseled square-----	699. 06
Kansas, 2.2 mi. W. thence 3.0 mi. S. from, near SW. cor. sec. 4, T. 12 N., R. 14 W., in NE. corner of junction of T-rd. E., on top of N. head wall of concrete culvert under rd. E., chiseled square-----	706. 56

Kansas, 3.0 mi. S. and 1.8 mi. W. from, about 600 ft. W. of quarter corner between secs. 4 and 9, T. 12 N., R. 14 W., 10 ft. S. and 20 ft. E. from right-angle bend in rd., in concrete post; standard tablet stamped "T T 63 F 1929"-----	<i>Fect</i> 739. 830
Kansas, 3.1 mi. S. and 1.5 mi. W. from, 0.12 mi. S. and 0.25 mi. W. from NE cor. sec. 9, T. 12 N., R. 14 W., 60 ft. N. and 25 ft. E. from crossroads, in root on NW. side of 24-in. tree, northernmost of two willow trees at W. end of barn; copper nail and washer-----	751. 58
Kansas, 2.8 mi. S. thence 0.9 mi. SW. from, near S $\frac{1}{4}$ cor. sec. 3, T. 12 N., R. 14 W., 730 ft. SW. of crossroads, on N. side of rd., on top of N. head wall of concrete culvert; chiseled square-----	747. 40
Kansas, 2.8 mi. S. of, in SW $\frac{1}{4}$ sec. 2, T. 12 N., R. 14 W., 60 ft. N. and 50 ft. E. from crossroads, in root on SE. side of 12-in. maple tree; copper nail and washer-----	717. 60
Kansas, 3.5 mi. S. of, 0.25 mi. W. of center of sec. 11, T. 12 N., R. 14 W., in NE. angle of junction of T-rd. E., on E. end of E. wing wall of S. concrete abutment of bridge; chiseled square-----	694. 37
Kansas, 3.5 mi. S. thence 0.3 mi. E. from, near center of sec. 11, T. 12 N., R. 14 W., on E. side of rd., at jog S., at S. side of entrance to schoolhouse, on top of E. end of lower step; chiseled square-----	708. 26
Kansas, 3.5 mi. S. thence 0.8 mi. E. from, 1.0 mi. N. of Inclose, near E $\frac{1}{4}$ cor. sec. 11, T. 12 N., R. 14 W., 20 ft. S. and 35 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 73 F 1929"----	721. 098
Kansas, 3.5 mi. S. thence 1.8 mi. E. from, near E $\frac{1}{4}$ cor. sec. 12, T. 12 N., R. 14 W., 110 ft. W. of rd. junction, on S. side of rd., at fence, in root on N. side of 6-in. hackberry tree; copper nail and washer---	760. 08
Kansas, 3.0 mi. S. and 1.8 mi. E. from, near SW. cor. sec. 6, T. 12 N., R. 13 W., 165 ft. E. of junction of T-rd. E., on N. side of rd., in field, in root on NW. side of 10-in. cedar tree; copper nail and washer-----	740. 43
Kansas, 3.0 mi. S. and 2.8 mi. E. from, near SW. cor. sec. 5, T. 12 N., R. 13 W., in NE. angle of junction of T-rd N., on top of E. head wall of concrete culvert under rd. N.; chiseled square-----	779. 74
Kansas, 3.0 mi. S. and 3.3 mi. E. from, near N $\frac{1}{4}$ cor. sec. 8, T. 12 N., R. 13 W., 40 ft. S. of crossroads, on W. side of rd, inside fence, in root on W. side of 36-in. elm tree; copper nail and washer-----	800. 48
Kansas, 3.0 mi. S. and 4.0 mi. E. from, 2.0 mi. S. and 1.0 mi. W. from Grandview, 0.25 mi. W. of S $\frac{1}{4}$ cor. sec. 4, T. 12 N., R. 13 W., 35 ft. E. of sixteenth corner, in top of N. head wall of concrete culvert; standard tablet stamped "21 A 1932"-----	789. 103
Reference mark, 285 ft. E. of tablet, on top of N. head wall of concrete culvert; chiseled square-----	797. 25
Grandview, 2.2 mi. S. and 0.2 mi. W. from, 0.25 mi. S. of NW. cor. sec. 10, T. 12 N., R. 13 W., 55 ft. E. of junction of T-rd. E., on N. side of rd., at fence line, in root on N. side of 12-in. ash tree; copper nail and washer-----	768. 72
Grandview, 2.3 mi. S. and 0.5 mi. E. from, near center of NE $\frac{1}{4}$ sec. 10, T. 12 N., R. 13 W., on E. side of rd., 35 ft. SE. of angle, in root on E. side of 12-in. oak tree; copper nail and washer-----	755. 35
Grandview, 2.4 mi. S. and 1.0 mi. E. from, in NW $\frac{1}{4}$ sec. 11, T. 12 N., R. 13 W., in NW. corner of rd. junction, on top of N. head wall of concrete culvert under rd. W.; chiseled square-----	720. 58

Grandview, 2.2 mi. S. and 1.8 mi. E. from, 0.25 mi. S. of NE. cor. sec. 11, T. 12 N., R. 13 W., 40 ft. N. and 20 ft. W. from junction of N.-S. rd., 4 ft. SW. of mail box, in concrete post; standard tablet stamped "T T Sta No 74 F 1929"-----	<i>Feet</i> 710. 196
Grandview, 1.7 mi. S. and 1.8 mi. E. from, 0.28 mi. N. of S. cor. secs. 1 and 2, T. 12 N., R. 13 W., 315 ft. N. of junction of rd. W., at steel bridge over creek, on top of W. parapet of N. concrete abutment; chiseled square-----	660. 00
Grandview, 1.0 mi. S. and 1.8 mi. E. from, near NE. cor. sec. 2, T. 12 N., R. 13 W., 80 ft. S. of crossroads, on W. side of rd., inside fence, in root on NW. side of 40-in. oak tree; copper nail and washer-----	740. 78
Grandview, 1.0 mi. S. and 2.6 mi. E. from, 0.15 mi. W. of NE. cor. sec. 1, T. 12 N., R. 13 W., at E. abutment of bridge, on top of SE. end of S. wing wall; chiseled square-----	681. 25
Grandview, 1.0 mi. S. and 3.0 mi. E. from, 0.25 mi. W. of S $\frac{1}{4}$ cor. sec. 31, T. 13 N., R. 12 W., in NE corner of crossroads, on top of E. head wall of concrete culvert under rd. N.; chiseled square-----	711. 25
Grandview, 1.0 mi. S. and 3.8 mi. E. from, 1.5 mi. N. and 0.5 mi. W. from Flemington, near NE. cor. sec. 6, T. 12 N., R. 12 W., 20 ft. S. and 35 ft. W. from junction of T-rd. S., 20 ft. S. and 535 ft. E. from junction of rd. N., in concrete post; standard tablet stamped "T T Sta No 75 F 1929"-----	745. 145
Flemington, 1.7 mi. N. of, 0.25 mi. S. of center of sec. 32, T. 13 N., R. 12 W., 40 ft. SW. of junction of rd. N., on S. side of rd., in field, in root on N. side of 15-in. walnut tree; copper nail and washer-----	765. 84
Flemington, 1.5 mi. N. and 0.8 mi. E. from, about 0.25 mi. E. of SW. cor. sec. 33, T. 13 N., R. 12 W., 390 ft. W. of junction of T-rd. N., at concrete bridge over Big Creek, on N. parapet of E. abutment; chiseled square-----	635. 00

[Connects with line 4 in Paris quadrangle]

4. From point 3.3 miles south and 0.2 mile west from Newman along roads south 3 miles, thence west 0.8 mile to point 4.7 miles northeast of Oakland (by S. R. Archer in 1935)

[Continued from Hume quadrangle, line 5]

Newman, 3.8 mi. S. and 0.2 mi. W. from, near NW. cor. sec. 21, T. 15 N., R. 14 W., 38 ft. E. of junction of T-rd. E., on S. side of rd., in root on W. side of large double Osage-orange tree; copper nail and washer--	672. 82
Newman, 4.3 mi. S. and 0.2 mi. W. from, near W $\frac{1}{4}$ cor. sec. 21, T. 15 N., R. 14 W., 235 ft. S. of junction of T-rd. W., on E. side of rd., in field, in root on SW. side of 30-in. Osage-orange tree; copper nail and washer--	669. 23
Newman, 5.3 mi. S. and 0.2 mi. W. from, near W $\frac{1}{4}$ cor. sec. 28, T. 15 N., R. 14 W., 50 ft. N. and 110 ft. E. from crossroads, in front of school-house, on wedge near SW. corner of concrete porch; chiseled square--	677. 54
Newman, 6.3 mi. S. and 0.2 mi. W. from, 5.5 mi. NE. of Oakland, near E $\frac{1}{4}$ cor. sec. 32, T. 15 N., R. 14 W., 85 ft. W. of crossroads, on S. side of rd., at fence line, in root on S. side of 6-in. hackberry tree; copper nail and washer-----	656. 71

[Connects with line 11 in Oakland quadrangle]

5. From point 1.5 miles north and 2.9 miles west from Paris generally west along roads to Mays (by S. R. Archer in 1935)

Paris, 1.5 mi. N. and 3.0 mi. W. from, 0.2 mi. N. and 2.2 mi. E. from Mays, near S $\frac{1}{4}$ cor. sec. 28, T. 14 N., R. 12 W., 25 ft. E. of bridge, on N. side of rd, 5 ft. N. and 5 ft. E. from fence corner, in field, in root on S. side of 30-in. maple tree; copper nail and washer-----	Feet 689. 72
Mays, 0.2 mi. N. and 1.2 mi. E. from, near N $\frac{1}{4}$ cor. sec. 32, T. 14 N., R. 12 W., in SW. corner of crossroads, on top of W. concrete head wall of culvert under rd. S.; chiseled square-----	704. 83
Mays, 0.2 mi. N. and 0.2 mi. E. from, 1.5 mi. N. and 5.0 mi. W. from Paris, near S $\frac{1}{4}$ cor. sec. 30, T. 14 N., R. 12 W., 20 ft. N. and 30 ft. E. from junction of T-rd. N., in concrete post; standard tablet stamped "T T 118 F 1929 701"-----	700. 859
Mays, 0.2 mi. N. of, 0.25 mi. W. of quarter corner between secs. 30 and 31, T. 14 N., R. 12 W., at jog in E.-W. rd., 25 ft. W. of rd. S., 35 ft. N. of center line of rd. W., 8 ft. N. of center line of rd. E., in yard of old farmhouse, in root on E. side of 40-in. maple tree; copper nail and washer-----	685. 38
Mays, just W. of sta., 45 ft. N. and 30 ft. W. from intersection of Pennsylvania R. R. and N.-S. rd., in root on E. side of 10-in. pine tree; copper nail and washer (recovered in 1936)-----	688. 72

6. From Mays generally west along roads by way of Redmon to point 1.7 miles south and 1.3 miles east from Oakland (by S. R. Archer in 1936)

Mays, 0.3 mi. S. thence 0.2 mi. W. from, 1.5 mi. S. and 3.6 mi. E. from Redmon, about 0.14 mi. E. of W $\frac{1}{4}$ cor. sec. 31, T. 14 N., R. 12 W., 575 ft. W. of crossroads, on top of S. parapet of W. abutment of concrete highway bridge; chiseled square-----	686. 69
Redmon, 1.3 mi. S. and 2.7 mi. E. from, 0.11 mi. NW. of center of NW $\frac{1}{4}$ sec. 36, T. 14 N., R. 13 W., 750 ft. SE. of crossroads, on top of W. end of N. head wall of concrete culvert; chiseled square-----	682. 49
Redmon, 1.1 mi. S. and 1.8 mi. E. from, 0.3 mi. SE. of NW. cor. sec. 35, T. 14 N., R. 13 W., on top of W. end of N. head wall of concrete culvert; chiseled square-----	680. 48
Redmon, 0.9 mi. S. and 1.2 mi. E. from, about 0.3 mi. NW. of SE. cor. sec. 27, T. 14 N., R. 13 W., 340 ft. NW. of angle in rd., on top of NW. end of NE. head wall of concrete culvert; chiseled square-----	676. 87
Redmon, 0.6 mi. S. and 0.8 mi. E. from, about 0.12 mi. N. of center of SW $\frac{1}{4}$ sec. 27, T. 14 N., R. 13 W., at junction of rd. S., on N. side of rd., at fence corner, on W. side of gate, on top of concrete right-of-way post marked "P. M. Ft. 34"; highest point-----	682. 09
Redmon, 1.0 mi. S. thence 0.7 mi. E. from, 0.25 mi. E. of NW. cor. sec. 34, T. 14 N., R. 13 W., 15 ft. S. and 27 ft. E. from junction of T-rd. W., in concrete post; standard tablet stamped "T T 117 F 1929 677"-----	676. 538
Redmon, 1.0 mi. S. of, near quarter corner between secs. 28 and 33, T. 14 N., R. 13 W., 55 ft. E. of junction of T-rd. N., on E. end of S. wing wall of E. concrete abutment of bridge; chiseled square-----	680. 26
Redmon, 1.0 mi. S. thence 0.5 mi. W. from, near SE. cor. sec. 29, T. 14 N., R. 13 W., 10 ft. W. of junction of T-rd. S., on N. side of rd., on top of W. concrete head wall of culvert under driveway to field; chiseled square-----	675. 89

Redmon, 1.0 mi. S. thence 1.5 mi. W. from, near NW. cor. sec. 32, T. 14 N., R. 13 W., 25 ft. S. and 50 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 116 F 1929 677"-----	<i>Feet</i> 676. 923
Redmon, 1.0 mi. S. thence 2.5 mi. W. from, near S. cor. secs. 25 and 30, T. 14 N., Rs. 13 and 14 W., 145 ft. N. of rd., in N.-S. range-line fence, in notch cut in trunk on W. side of 10-in. wild-cherry tree; copper nail and washer-----	681. 96
Redmon, 1.0 mi. S. thence 3.5 mi. W. from, near NW. cor. sec. 36, T. 14 N., R. 14 W., in SE. corner of crossroads, on top of N. end of E. head wall of concrete culvert under rd. S.; chiseled square-----	674. 11
Redmon, 1.0 mi. S. thence 4.0 mi. W. from, 2.0 mi. S. of Borton, 1.0 mi. N. of Warrington, near S $\frac{1}{4}$ cor. sec. 26, T. 14 N., R. 14 W., in NW. corner of crossroads, on top of angular corner of W. head wall of concrete culvert under State Highway 49; chiseled square-----	670. 64
Warrington, 1.0 mi. N. thence 0.5 mi. W. from, near NW. cor. sec. 35, T. 14 N., R. 14 W., 20 ft. S. and 40 ft. E. from crossroads, 15 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 115 F 1929 667"-----	687. 114
Warrington, 1.0 mi. N. thence 1.6 mi. W. from, 0.16 mi. W. of SE. cor. sec. 28, T. 14 N., R. 14 W., 520 ft. E. of crossroads, on N. side of rd., in yard of farmhouse, in root on E. side of 24-in. mulberry tree; copper nail and washer-----	660. 13
Warrington, 1.0 mi. N. thence 2.2 mi. W. from, 0.25 mi. E. of SW. cor. sec. 28, T. 14 N., R. 14 W., 0.25 mi. E. of junction of N.-S. rd., at steel bridge, on top of E. end of N. wing wall of E. concrete abutment; chiseled square-----	640. 66
Warrington, 1.2 mi. N. and 2.5 mi. W. from, 1.6 mi. S. and 2.2 mi. E. from Oakland, 0.25 mi. N. of SE. cor. sec. 29, T. 14 N., R. 14 W., 70 ft. S. of junction of T-rd. W., on top near center of W. concrete head wall of culvert; chiseled square-----	660. 11

[Connects with line 14 in Oakland quadrangle]

KENNEY QUADRANGLE

[Latitude 40°00'–40°15'; longitude 89°00'–89°15']

DE WITT, LOGAN, AND MACON COUNTIES

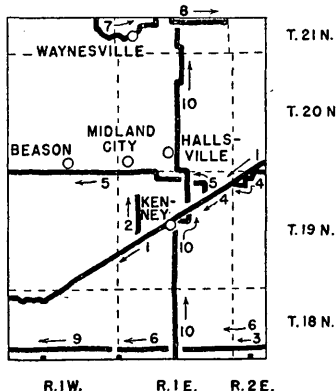


FIGURE 180.—Lines of leveling in Kenney quadrangle.

1. From point about 2.5 miles southwest of Clinton southwest along Illinois Central Railroad to road intersection 2 miles southwest of Chestnut, thence north and west to point 2.1 miles north and 1.7 miles east from Mount Pulaski (by P. E. Fletcher in 1908)

[Continued from Maroa quadrangle, line 1]

Clinton, 3.2 mi. SW. of, 4.7 mi. NE. of Kenney, 600 ft. S. of center of NE¼ sec. 6, T. 19 N., R. 2 E., 175 ft. E. of milepost marked "St. L.-141," at W. end of gate on S. side of right-of-way, in concrete post; aluminum tablet (recovered in 1930)	743.708
Kenney, 1.3 mi. NE. of, near SE. cor. sec. 10, T. 19 N., R. 1 E., on W. wall of concrete-arch bridge over public road; "0" in date on nameplate (recovered in 1930)	653.41
Kenney, 175 ft. E. of rd. intersection, 50 ft. S. of track, in concrete post; aluminum tablet ⁶⁵	649.450
Kenney, 3.6 mi. SW. of, 2.4 mi. NE. of Chestnut, E. of center of sec. 25, T. 19 N., R. 1 W., on N. side of track, on W. side of wagon rd., in concrete post; aluminum tablet	631.790
Chestnut, 2.3 mi. SW. of, 1,400 ft. S. of E¼ cor. sec. 5, T. 18 N., R. 1 W., 30 ft. S. of track, in concrete post; aluminum tablet	631.320

[Continued in Lincoln quadrangle, line 1]

2. From point 2.3 miles southwest of Kenney at Illinois Central Railroad intersection north along road to bridge over Salt Creek (by P. E. Fletcher in 1908; spur line)

Kenney, 2.1 mi. NW. of, about 0.1 mi. N. of S. cor. secs. 7 and 8, T. 19 N., R. 1 E., at NE. iron post of bridge over Salt Creek; zero of gage	603.719
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⁶⁵ In 1936 this bench mark was reported destroyed. It was replaced by U. S. C. & G. S. and State Survey standard disk stamped "649," described in line 9.

3. From point 2 miles south and 2.2 miles west from Maroa west along road 1.8 miles to point 6.3 miles south and 3 miles east from Kenney (by E. W. Gouchenour in 1929)

[Continued from Maroa quadrangle, line 3]

Maroa, 2.0 mi. S. thence 3.0 mi. W. from, at Pleasant View School, near SE. cor. sec. 18, T. 18 N., R. 2 E., 30 ft. N. and 90 ft. W. from crossroads, near front step of schoolhouse, in root on S. side of maple tree; copper nail and washer (recovered in 1930)-----	Feet 706.42
Maroa, 2.0 mi. S. thence 4.0 mi. W. from, 6.3 mi. S. thence 3.0 mi. E. from Kenney, near SE. cor. sec. 13, T. 18 N., R. 1 E., at offset crossroads, 28 ft. N. and 43 ft. W. from junction of T-rd. W., 1 ft. S. of wire fence, in concrete post; standard tablet stamped "P T Sta No 2 F 1925" (recovered in 1930)-----	672.188
Reference mark, 15 ft. N. and 18 ft. E. from tablet, on N. end of concrete culvert; chiseled square-----	672.28

4. From point 0.5 mile south and 2 miles west from Clinton along roads alternately west and south to point 4.7 miles northeast of Kenney, thence southwest along Illinois Central Railroad 3.4 miles (by M. W. Clark in 1930; leveled twice to point 3.2 miles southeast of Clinton)

[Continued from Maroa quadrangle, line 5]

Clinton, 0.5 mi. S. thence 2.1 mi. W. from, near N $\frac{1}{4}$ cor. sec. 5, T. 19 N., R. 2 E., on S. side of rd., 200 ft. E of Illinois Central R. R. track, on W. end of concrete culvert under driveway to house; chiseled square-----	743.61
Clinton, 0.5 mi. S. thence 2.5 mi. W. from, in NW $\frac{1}{4}$ sec. 5, T. 19 N., R. 2 E., 60 ft. S. and 15 ft. W. from R. R. intersection, on W. end of concrete culvert; chiseled square-----	740.02
Clinton, 1.5 mi. S. and 2.9 mi. W. from, 1.7 mi. N. and 4.0 mi. E. from Kenney, near SE. cor. sec. 6, T. 19 N., R. 2 E., 60 ft. N. and 20 ft. W. from junction of T-rd. W., in concrete post; standard tablet stamped "P T Sta No 97 F 1925" ⁶⁶ -----	714.430
Reference mark, 75 ft. S. of tablet, on S. side of rd., on top of concrete bridge wall; chiseled square-----	715.58
Kenney, 3.7 mi. NE. of, about 0.25 mi. N. of S. cor. secs. 1 and 6, T. 19 N., Rs. 1 and 2 E., at wooden R. R. bridge D. 152-9, 120 ft. E. of milepost marked "St. L.-140," on N. side of track, on W. end of concrete base supporting timber brace of bridge; chiseled square---	712.76
Kenney, 2.7 mi. NE. of, in NW. cor. sec. 12, T. 19 N., R. 1 E., on S. side of track, 75 ft. E. of milepost marked "St. L.-139," on SE. end of retaining wall; chiseled square-----	686.52
Kenney, 1.9 mi. NE. of, near center of sec. 11, T. 19 N., R. 1 E., at R. R. bridge over Salt Creek, on E. end of S. wall; chiseled square-----	666.18

5. From point on Illinois Central Railroad 1.9 miles northeast of Kenney northeast along railroad 0.4 mile, thence alternately north and west along roads to point 0.5 mile south and 0.2 mile east from Skelton (by M. W. Clark in 1930)

Kenney, 2.3 mi. NE. of, near center of NE $\frac{1}{4}$ sec. 11, T. 19 N., R. 1 E., on N. side of track, at concrete arched bridge over rd., at NE. wall, on top of fifth step from bottom; chiseled square-----	650.45
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⁶⁶ On checked spur line 0.9 mile south of previous bench mark.

Kenney, 1.7 mi. N. and 1.5 mi. E. from, near quarter corner between secs. 2 and 11, T. 19 N., R. 1 E., at highway bridge, on NW. concrete bridge seat; chiseled square-----	<i>Feet</i> 631. 35
Kenney, 2.2 mi. N. and 1.5 mi. E. from, 1.5 mi. S. thence 1.5 mi. E. from Hallsville (Hallville), near center of sec. 2, T. 19 N., R. 1 E., 20 ft. N. and 20 ft. E. from junction of T-rd. W., in concrete post; standard tablet stamped "P T Sta No 96 F 1925"-----	724. 880
Hallsville, 1.5 mi. S. thence 1.0 mi. E. from, near W¼ cor. sec. 2, T. 19 N., R. 1 E., on S. side of rd., in root on NW. side of 18-in. elm tree; copper nail and washer-----	715. 20
Hallsville, 1.5 mi. S. thence 0.2 mi. E. from, about 0.25 mi. E. of W¼ cor. sec. 3, T. 19 N., R. 1 E., 12 ft. N. and 105 ft. E. from junction of T-rd. S., on N. head wall of concrete culvert, 1 ft. E. of W. end; chiseled square (recovered in 1936)-----	695. 02
Hallsville, 1.2 mi. S. thence 0.8 mi. W. from, near center of NW¼ sec. 4, T. 19 N., R. 1 E., 360 ft. W. of junction of T-rd. N., on S. side of rd., in NE. corner of schoolyard, in root on N. side of 12-in. hickory tree; copper nail and washer-----	702. 52
Hallsville, 1.0 mi. S. and 1.5 mi. W. from, 0.5 mi. S. thence 1.1 mi. E. from Midland City, near N¼ cor. sec. 5, T. 19 N., R. 1 E., 20 ft. S. and 45 ft. W. from right angle in rd., in concrete post; standard tablet stamped "P T Sta No 95 F 1925"-----	662. 527
Midland City, 0.5 mi. S. thence 0.6 mi. E. from, 330 ft. E. of SW. cor. sec. 32, T. 20 N., R. 1 E., 330 ft. E. of junction of T-rd. S., 635 ft. W. of T-rd. N., at concrete bridge over creek, on NE. wing wall; chiseled square-----	650. 24
Midland City, 0.5 mi. S. thence 0.5 mi. W. from, near SE. cor. sec. 36, T. 20 N., R. 1 W., 18 ft. N. and 15 ft. W. from crossroads, on SE. end of concrete culvert; chiseled square ⁶⁷ -----	637. 47
Midland City, 0.5 mi. S. thence 1.7 mi. W. from, about 775 ft. W. of NE. cor. sec. 2, T. 19 N., R. 1 W., on S. side of rd., in root on NE side of 20-in. double hackberry tree; copper nail and washer-----	647. 33
Midland City, 0.5 mi. S. thence 2.0 mi. W. from, 0.5 mi. S. thence 1.0 mi. E. from Beason, near probable S¼ cor. sec. 35, T. 20 N., R. 1 W., 20 ft. N. and 35 ft. E. from junction of T-rd. N., in concrete post; standard tablet stamped "P T Sta No 94 F 1925"-----	652. 638
Reference mark, 50 ft. SW. of tablet, on concrete foundation of corner fence post; chiseled square-----	650. 96
Beason, 0.5 mi. S. thence 0.1 mi. E. from, 655 ft. E. of S¼ cor. sec. 34, T. 20 N., R. 1 W., on N. side of rd., in field, in root on SW. side of 30-in. walnut tree; copper nail and washer-----	647. 08
Beason, 0.5 mi. S. thence 1.1 mi. W. from, 50 ft. S. and about 300 ft. W. from N¼ cor. sec. 4, T. 19 N., R. 1 W., inside fence, in root on NW. side of 20-in. walnut tree; copper nail and washer-----	633. 09
Beason, 0.5 mi. S. thence 1.5 mi. W. from, 0.5 mi. S. thence 1.7 mi. E. from Skelton, near NE. cor. sec. 5, T. 19 N., R. 1 W., at offset crossroads, 30 ft. S. and 20 ft. W. from junction of T-rd. N., 30 ft. S. and 90 ft. W. from junction of rd. S.; standard iron post with bronze cap stamped "Prim Trav Sta No 2 1909"-----	628. 381

⁶⁷ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "R 38 1934," elevation 644.772 ft.

Reference mark, 120 ft. NE. of iron post, in yard, in root on SW. side of 30-in. maple tree; copper nail and washer-----	Feet 630. 92
Skelton, 0.5 mi. S. thence 0.5 mi. E. from, 0.22 mi. W. of SE. cor. sec. 31, T. 20 N., R. 1 W., 0.22 mi. W. of junction of rd. S., on N side of rd., inside fence, in root on SW. side of 24-in. tree, westernmost of row of maple trees; copper nail and washer-----	623. 13

[Continued in Lincoln quadrangle, line 8]

6. From point 2 miles south and 2.2 miles west from Maroa west along road to point 6.3 miles south and 3.2 miles west from Kenney (by M. W. Clark in 1930)

[Continued from Maroa quadrangle, line 6]

Maroa, 2.0 mi. S. thence 3.0 mi. W. from, near SE. cor. sec. 18, T. 18 N., R. 2 E., at Pleasant View School, on E. end of lower concrete step; chiseled square-----	707. 96
Maroa, 2.0 mi. S. thence 4.0 mi. W. from, 6.3 mi. S. thence 3.0 mi. E. from Kenney, near SE. cor. sec. 13, T. 18 N., R. 1 E., in NW. angle of offset crossroads, 30 ft. SE. of standard tablet, on top of concrete culvert; chiseled square ⁶⁸ -----	672. 30
Kenney, 6.3 mi. S. thence 2.5 mi. E. from, near S $\frac{1}{4}$ cor. sec. 13, T. 18 N., R. 1 E., 45 ft. S. and 60 ft. W. from junction of T-rd. N., inside fence, in root on NW. side of 15-in. hackberry tree; copper nail and washer-----	691. 01
Kenney, 6.3 mi. S. thence 1.8 mi. E. from, about 900 ft. W. of SE. cor. sec. 14, T. 18 N., R. 1 E., about 900 ft. W. of crossroads, on N. side of rd., in root on W. side of 24-in. hackberry tree; copper nail and washer-----	650. 30
Kenney, 6.3 mi. S. of, 1.0 mi. W. thence 5.0 mi. N. from Warrensburg, near NE. cor. sec. 21, T. 18 N., R. 1 E., 20 ft. S. and 20 ft. W. from crossroads, in concrete post; standard tablet stamped "P T Sta No 3 F 1925" (recovered in 1936) ⁶⁹ -----	628. 874
Reference mark, 60 ft. NE. of tablet, on shoulder of concrete culvert; chiseled square (recovered in 1936)-----	630. 85
Kenney, 6.3 mi. S. thence 1.1 mi. W. from, near NE. cor. sec. 20, T. 18 N., R. 1 E., 575 ft. W. of crossroads, on S. side of rd., in root on N. side of walnut tree; copper nail and washer-----	621. 14
Kenney, 6.3 mi. S. thence 2.0 mi. W. from, at Hadley School, near SW. cor. sec. 17, T. 18 N., R. 1 E., in SW. corner of schoolyard, in W. side of large maple tree; copper nail and washer-----	622. 81
Kenney, 6.3 mi. S. thence 3.2 mi. W. from, near NE. cor. sec. 24, T. 18 N., R. 1 W., 25 ft. S. and 48 ft. W. from junction of T-rd. W., in concrete post; standard tablet stamped "P T Sta No 4 1925" (recovered in 1936) ⁷⁰ -----	620. 927
Reference mark, 225 ft. NE. of tablet, inside fence, in root on SW. side of hard-maple tree; copper nail and washer-----	627. 21

⁶⁸ Established as a reference mark to standard tablet stamped "P T Sta No 2 F 1925," described in line 3.

⁶⁹ This bench mark was raised 0.055 ft. by frost. The figures given represent the new elevation.

⁷⁰ This bench mark was raised 0.023 ft. by frost. The figures given represent the new elevation.

1066 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

7. From point 2.7 miles west and 1 mile north from Waynesville along roads alternately south and east to Waynesville, thence north and east to point 1 mile north and 1.2 miles east from Waynesville (by S. R. Archer in 1930)

[A jog from McLean quadrangle, line 4]

Waynesville, 2.7 mi. W. of, near SE. cor. sec. 26, T. 21 N., R. 1 W., 80 ft. E. of junction of rd. NW., at W concrete abutment of bridge over overflow, on top of W. end of N. wing wall; chiseled square	<i>Feet</i> 621. 91
Waynesville, 2.5 mi. W. of, near NE. cor. sec. 35, T. 21 N., R. 1 W., at highway bridge over Kickapoo Creek, at SW. end of SE. stone abutment, on top of bridge seat; chiseled square-----	624. 31
Waynesville, 1.8 mi. W. of, about 0.13 mi. N. of center of sec. 36, T. 21 N., R. 1 W., 160 ft. SW. of junction of rd. NW., opposite SW. corner of triangle at rd. junction, on S. side of rd., in fence corner, in root on E. side of 24-in. hackberry tree; copper nail and washer...	678. 75
Waynesville, 1.2 mi. W. of, in NW $\frac{1}{4}$ sec. 31, T. 21 N., R. 1 E., 300 ft. E. of rd. S., on S. side of rd., in front of farmhouse, in root on NW. side of 24-in. locust tree, westernmost of two trees 65 ft. apart; copper nail and washer-----	703. 15
Waynesville, 0.5 mi. SW. of Pennsylvania R. R. sta., near center of NE $\frac{1}{4}$ sec. 31, T. 21 N., R. 1 E., on S. side of rd., at top of hill, at fence corner, in root on N. side of 36-in. oak tree; copper nail and washer-----	711. 67
Waynesville, 120 ft. E. of intersection of Pennsylvania R. R. at sta., on N. side of street, at SW. corner of brick garage, on W. side of W entrance, on top of concrete walk; chiseled square-----	715. 66
Waynesville, in NW part of, at high school, 20 ft. S. and 30 ft. W. from junction of T-st. E., in E. side of schoolyard, in concrete post; standard tablet stamped "P T Sta No 86 F 1925"-----	711. 192
Reference mark, at E. entrance to high school, on top of N. end of lower step of concrete steps; chiseled square-----	712. 04
Waynesville, in NE. part of, 120 ft. S. of right angle in rd., at junction of private rd. N., on N. abutment of concrete culvert, on top of W. wing wall; chiseled square-----	679. 99

[Continued in McLean quadrangle, line 4]

8. From point 1 mile north and 3 miles east from Waynesville along roads south, east, and north to point 4 miles south and 3 miles west from Heyworth (by S. R. Archer in 1930)

[A jog from McLean quadrangle, line 4]

Waynesville, 0.8 mi. N. and 3.0 mi. E. from, 0.25 mi. S. and 470 ft. E. from NW. cor. sec. 26, T. 21 N., R. 1 E., 470 ft. E. of N.-S. rd., on S. side of E.-W. fence, at N. side of field, in root on S. side of 15-in. elm tree; copper nail and washer-----	730. 47
Waynesville, 0.8 mi. N. and 4.0 mi. E. from, 4.2 mi. S. and 4.0 mi. W. from Heyworth, 0.25 mi. S. of N. cor. secs. 25 and 26, T. 21 N., R. 1 E., on S. side of rd., in front of farmhouse, in NW. corner of yard, at fence corner, in root on NW. side of 14-in. hickory tree; copper nail and washer-----	753. 74
Heyworth, 4.2 mi. S. and 3.2 mi. W. from, near center of NE $\frac{1}{4}$ sec. 25, T. 21 N., R. 1 E., in SW. angle of junction of T-rd. S., 3.5 ft. S. and 28 ft. W. from fence corner, in field, in root on NE. side of 36-in. oak tree; copper nail and washer-----	752. 47

[Continued in McLean quadrangle, line 4]

9. From point 6.3 miles south and 3.2 miles west from Kenney west along road to point 0.5 mile south and 1.8 miles east from Mount Pulaski (by S. R. Archer in 1936)

Kenney, 6.3 mi. S. thence 4.2 mi. W. from, 3.5 mi. S. thence 1.0 mi. E. from Chestnut, near E. cor. secs. 14 and 23, T. 18 N., R. 1 W., 420 ft. W. of rd. S., 115 ft. E. of junction of rd. NE., at E. stone abutment of highway bridge, on top of E. end of S. wing wall; chiseled square-----	<i>Feet</i> 604. 17
Chestnut, 3.5 mi. S. thence 0.5 mi. E. from, near S $\frac{1}{4}$ cor. sec. 14, T. 18 N., R. 1 W., on N. side of rd., in front of schoolhouse, on top of E. end of lower concrete step; chiseled square-----	620. 81
Chestnut, 3.5 mi. S. of, near NW. cor. sec. 23, T. 18 N., R. 1 W., in SE angle of crossroads, on top of S. head wall of concrete culvert under rd. E.; chiseled square-----	627. 65
Chestnut, 3.5 mi. S. thence 1.0 mi. W. from, 0.5 mi. S. thence 4.5 mi. E. from Mount Pulaski, 25 ft. S. and 40 ft. W. from probable NE. cor. sec. 21, T. 18 N., R. 1 W., in concrete post; standard tablet stamped "Prim Trav Sta No 5 F 1925 624" (recovered in 1940)-----	623. 752
Mount Pulaski, 0.5 mi. S. thence 3.5 mi. E. from, near NW. cor. sec. 21, T. 18 N., R. 1 W., 75 ft. E. of crossroads, at E. abutment of concrete culvert, on top of SE. end of SE. wing wall; chiseled square (recovered in 1940)-----	614. 53
Mount Pulaski, 0.5 mi. S. thence 3.0 mi. E. from, near S $\frac{1}{4}$ cor. sec. 17, T. 18 N., R. 1 W., on N. side of rd., in schoolyard, 15 ft. N. and 14 ft. E. from SE. corner of schoolhouse, on top of SE. corner of concrete well curb; chiseled square-----	623. 57
Mount Pulaski, 0.5 mi. S. thence 2.8 mi. E. from, 0.25 mi. E. of NW. cor. sec. 20, T. 18 N., R. 1 W., on top of W. end of S. head wall of concrete culvert; chiseled square-----	625. 66
Mount Pulaski, 0.5 mi. S. thence 2.1 mi. E. from, near N $\frac{1}{4}$ cor. sec. 19, T. 18 N., R. 1 W., in SW. angle of junction of T-rd. S., on top of N. end of W. head wall of concrete culvert under rd. S.; chiseled square-----	628. 80

[Continued in Lincoln quadrangle, line 11]

10. From crossroads 6.3 miles south of Kenney generally north along roads to point 1 mile north and 2.3 miles east from Waynesville (by S. R. Archer in 1936)

Kenney, 5.3 mi. S. of, near NE. cor. sec. 16, T. 18 N., R. 1 E., in SW. angle of crossroads, at farmhouse, in NE. corner of yard, in root on NW. side of 24-in. mulberry tree; copper nail and washer-----	632. 60
Kenney, 4.8 mi. S. of, near E $\frac{1}{4}$ cor. sec. 9, T. 18 N., R. 1 E., at bridge over Lake Fork of Salt Creek, on top of S. end of W. concrete wheel guard; chiseled square-----	634. 13
Kenney, 4.3 mi. S. of, near SW. cor. sec. 3, T. 18 N., R. 1 E., in NE. angle of crossroads, in SW. corner of schoolyard, at concrete culvert under rd. N., on top of N. end of E. head wall; chiseled square-----	628. 90
Kenney, 3.3 mi. S. of, near NE. cor. sec. 4, T. 18 N., R. 1 E., 20 ft. S. and 140 ft. W. from center of offset crossroads, 20 ft. S. and 30 ft. W. from junction of rd. N., 20 ft. S. and 260 ft. W. from junction of rd. S., 2 ft. S. and 5.5 ft. W. from high-power-line pole, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "631"-----	631. 048
Reference mark, 850 ft. S. and 270 ft. E. from tablet, 850 ft. S. of offset crossroads, at N. abutment of concrete highway bridge, on top of E. parapet; chiseled square-----	630. 59

Kenney, 2.7 mi. S. of, 450 ft. N. of W $\frac{1}{4}$ cor. sec. 34, T. 19 N., R. 1 E., at N. abutment of concrete highway bridge, on top of NE. end of E. wing wall; chiseled square-----	<i>Feet</i> 633.72
Kenney, 1.8 mi. S. of, at W $\frac{1}{4}$ cor. sec. 27, T. 19 N., R. 1 E., 50 ft. N. of crossroads, at N. abutment of concrete bridge, on top of NE. end of E. wing wall; chiseled square-----	631.89
Kenney, 1.1 mi. S. of, 0.23 mi. N. of SE. cor. sec. 21, T. 19 N., R. 1 E., 135 ft. S. of intersection of E.-W. sixteenth line, on W. side of rd., in NE. corner of yard of farmhouse, inside fence line, in root on E. side of 30-in. maple tree; copper nail and washer-----	640.85
Kenney, at Community High School, at S. entrance on W. side of building, on top of S. end of stone doorsill; chiseled square-----	648.86
Kenney, 180 ft. E. of intersection of Illinois Central and Pennsylvania R. Rs., 140 ft. E. of intersection of I. C. R. R. and main street, 50 ft. S. of center line of track, 35 ft. N. of center of E.-W. street, 5 ft. N. of N. edge of sidewalk, in lawn of residence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "649"-----	649.075
Kenney, 0.7 mi. N. and 0.2 mi. E. from, 0.25 mi. W. of quarter corner between secs. 10 and 15, T. 19 N., R. 1 E., 150 ft. S. of crossing of private rd., at N. approach of State highway bridge over Salt Creek, on top of N. end of W. concrete wheel guard; chiseled square-----	631.23
Kenney, 1.3 mi. N. and 0.2 mi. E. from, 460 ft. S. of center of NW $\frac{1}{4}$ sec. 10, T. 19 N., R. 1 E., on top of N. end of highest section of W. head wall of concrete culvert; chiseled square-----	629.40
Kenney, 2.4 mi. N. of, 1.3 mi. S. of Hallsville, 0.25 mi. N. of E $\frac{1}{4}$ cor. sec. 4, T. 19 N., R. 1 E., in NW. angle of junction of T-rd. W., on top of N. head wall of concrete culvert under rd. W.; chiseled square-----	719.36
Hallsville, 1.0 mi. S. of, near SW. cor. sec. 34, T. 20 N., R. 1 E., in NE. angle of junction of T-rd. E., on top of N. head wall of concrete culvert under rd. E., chiseled square-----	725.79
Hallsville, 0.8 mi. S. of, 0.2 mi. N. of SW. cor. sec. 34, T. 20 N., R. 1 E., at concrete culvert, on top of S. end of E. head wall; chiseled square-----	719.61
Hallsville, in NE. part of, 65 ft. E. of crossroads, on S. side of State highway, at concrete culvert under driveway to residence, on top of S. end of W. head wall; chiseled square-----	753.68
U. S. C. & G. S. standard disk stamped "T 38 1934"-----	742.955
Hallsville, 1.0 mi. N. of, near SW. cor. sec. 22, T. 20 N., R. 1 E., 100 ft. N. of crossroads, on E. side of rd., at fence line, in root on SW. side of 50-in. cottonwood tree; copper nail and washer-----	765.68
Hallsville, 2.0 mi. N. of, near SW. cor. sec. 15, T. 20 N., R. 1 E., 90 ft. E. of crossroads, on N. side of rd., 18 ft. S. and 20 ft. W. from SW. corner of schoolhouse, in root on SW. side of 24-in. ash tree; copper nail and washer-----	775.83
Hallsville, 3.0 mi. N. of, 3.0 mi. S. and 2.3 mi. E. from Waynesville, near SW. cor. sec. 10, T. 20 N., R. 1 E., 25 ft. N. and 30 ft. E. from junction of T-rd. E., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "781"-----	780.782
Waynesville, 1.9 mi. S. and 2.5 mi. E. from, 0.1 mi. N. and 0.25 mi. E. from SW. cor. sec. 3, T. 20 N., R. 1 E., 520 ft. N. of junction of T-rd. N., on top of N. end of E. head wall of concrete culvert; chiseled square-----	770.57

Waynesville, 1.0 mi. S. and 2.5 mi. E. from, 0.25 mi. E. of NW. cor. sec. 3, T. 20 N., R. 1 E., 150 ft. S. of rd. W., on W. side of rd., in field, in root on NE. side of 30-in. walnut tree; copper nail and washer -----	<i>Feet</i> 756. 05
Waynesville, 2.5 mi. E. thence 0.5 mi. S. from, near center of sec. 34, T. 21 N., R. 1 E., 15 ft. N. and 30 ft. W. from junction of T-rd. W., 15 ft. W. of fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "754" -----	753. 750
Waynesville, 2.3 mi. E. of, 0.25 mi. E. of SW. cor. sec. 27, T. 21 N., R. 1 E., in NW angle of junction of T-rd. N., in fence corner, in root on NE. side of 24-in. oak tree; copper nail and washer.-----	760. 41

[Connects with line 4 in McLean quadrangle]

LE ROY QUADRANGLE

[Latitude 40°15'–40°30'; longitude 88°45'–89°00']

DE WITT AND McLEAN COUNTIES

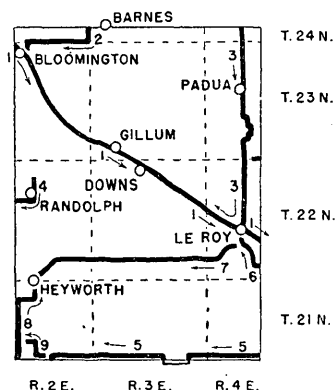


FIGURE 181.—Lines of leveling in Le Roy quadrangle.

1. From Bloomington southeast along Cleveland, Cincinnati, Chicago & St. Louis Railway to Le Roy (by E. L. McNair in 1905; first-order leveling)

[Continued from McLean quadrangle, line 1]

Bloomington, 350 ft. E. of passenger sta., on S. side of track, in N. pier of Peoria & Eastern Ry water tank; aluminum tablet designated "O"-----	<i>Feet</i> 793. 401
Bloomington, at SE. corner of McLean County courthouse, about 2 ft. above ground, in face of wall; aluminum tablet designated "P"-----	829. 286
Bloomington, 4.6 mi. SE. of, 2.0 mi. NW. of Gillum, at concrete arch 300-88, 20 ft. S. of track, in top of parapet; aluminum tablet designated "Q"-----	832. 288
Gillum, 75 ft. W. of sta., 1.8 mi. NW. of Downs, 20 ft. S. of track, 1.8 ft. lower than top of rail; standard iron post with bronze cap designated "R"-----	819. 867
Downs, 360 ft. E. of sta., 15 ft. S. of track, 10 ft. NW. of section car house; standard iron post with bronze cap designated "S"-----	793. 722
Downs, 3.1 mi. SE. of, 0.7 mi. NW. of Ford Woods, 3.3 mi. NW. of Le Roy, 12 ft. from track, in N. side of stone arch 293-94, in coping stone; aluminum tablet designated "T" ⁷¹ -----	790. 789
Le Roy, 330 ft. E. of P. & E. Ry. sta., 20 ft. S. of track, at intersection of right-of-way line and street line; standard iron post with bronze cap designated "U" ⁷² -----	779. 352

[Continued in Arrowsmith quadrangle, line 1]

⁷¹ In 1925 this bench mark was replaced by a standard tablet stamped "16 WA 1925." The figures given represent the new elevation. In 1942 it was reported that the tablet was destroyed when the stone arch was replaced by a concrete culvert.

⁷² In 1930 this bench mark was reported destroyed.

2. From point 0.2 mile south and 1.1 miles west from Barnes south along road 0.8 mile to State Highway 9, thence west to Bloomington (by C. E. Walker in 1925)

[Continued from Normal quadrangle, line 3]

Barnes, 1.0 mi. S. thence 1.6 mi. W. from, 2.8 mi. E. of Illinois Central R. R. sta. at Bloomington, near N $\frac{1}{4}$ cor. sec. 1, T. 23 N., R. 2 E., 50 ft. SW. of junction of T-rd. S., in hedge fence line, in concrete post; standard tablet stamped "6 WA 1925"-----	<i>Feet</i> 861. 120
Reference mark, 25 ft. SE. of rd. junction, on E. side of concrete culvert; chiseled square-----	861. 18
Bloomington, 1.8 mi. E. of, near N $\frac{1}{4}$ cor. sec. 2, T. 23 N., R. 2 E., 90 ft. S. of highway, in root on N. side of 36-in. poplar tree; copper nail and washer-----	852. 59
Bloomington, 1.0 mi. E. of, near N $\frac{1}{4}$ cor. sec. 3, T. 23 N., R. 2 E., 95 ft. SW. of crossroads, in root on E. side of 18-in. maple tree; copper nail and washer-----	821. 12
U. S. C. & G. S. standard disk stamped "S 7 1920"-----	826. 734

3. From point 3.4 miles north of Padua along roads south to Le Roy, thence northwest 3.3 miles (by C. E. Walker in 1925)

[Connects with line 5 in Normal quadrangle]

Padua, 2.5 mi. N. of, near SW. cor. sec. 33, T. 24 N., R. 4 E., 41.2 ft. NE. of crossroads, on N. head wall of concrete culvert; chiseled square-----	828. 34
Padua, 0.5 mi. N. of, near NW. cor. sec. 16, T. 23 N., R. 4 E., 40 ft. SE. of crossroads, 3 ft. E. of concrete fence corner post, in concrete post; standard tablet stamped "Prim Trav Sta No 55 Mac 1923 (recovered by U. S. C. & G. S. in 1935)"-----	856. 107
Reference mark, 34 ft. NW. of crossroads, on N. head wall of concrete culvert; chiseled square-----	857. 28
Padua, 1.6 mi. S. of, 5.4 mi. N. of Le Roy, near SW. cor. sec. 21, T. 23 N., R. 4 E., at jog E. in rd., on N. head wall of concrete culvert; chiseled square-----	860. 92
Le Roy, 4.3 mi. N. of, 1,800 ft. E. of SW. cor. sec. 28, T. 23 N., R. 4 E., 30 ft. N. and 20 ft. E. from junction of E.-W. rd., in concrete post; standard tablet stamped "Prim Trav Sta No 54 Mac 1923"-----	902. 054
Reference mark, 26 ft. SE. of rd. junction, on S. end of concrete culvert; chiseled square-----	903. 10
Le Roy, 3.2 mi. N. of, in SW $\frac{1}{4}$ sec. 33, T. 23 N., R. 4 E., 10 ft. E. of rd., on E. wing wall of concrete culvert; chiseled square (recovered in 1930)-----	833. 54
Le Roy, 2.5 mi. N. of, near W $\frac{1}{4}$ cor. sec. 4, T. 22 N., R. 4 E., 20 ft. SE. of junction of T-rd. E., on S. end of concrete culvert; chiseled square-----	789. 47
Le Roy, 1.0 mi. N. of, near NW. cor. sec. 16, T. 22 N., R. 4 E., 70 ft. S. and 30 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 53 Mac 1923"-----	785. 698
Le Roy, in N. part of, 38 ft. SW. of intersection of North West and West School Streets, at fence corner, in concrete post; standard tablet stamped "15 WA 1925" (recovered in 1930)-----	796. 369
Reference mark, 35 ft. NE. of crossroads, in root 2 in. underground on NW. side of 18-in. walnut tree; copper nail and washer-----	796. 68
Le Roy, at sta.; top of rail-----	780. 4

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4. From point on Illinois Central Railroad about 1 mile north of Randolph south and west along roads to point 0.3 mile south and 1 mile west from Randolph (by C. E. Walker in 1925)	
Stines triangulation sta. (U. S. C. & G. S.), 1.0 mi. N. of Randolph, 30 yd. NE. of interurban sta. Stines, on W. side of I. C. R. R. track, on W. bank of deep cut, 38 ft. W. of W. rail, in concrete block;	
• U. S. C. & G. S. standard triangulation disk designated "Stines"-----	Feet 806.534
Stines triangulation sta. reference mark (U. S. C. & G. S.), 74 ft. from sta. in azimuth 72°44', on W. side of track, near fence line, in concrete block; U. S. C. & G. S. standard reference disk designated "R M Stines" ⁷³ -----	802.534
Randolph, 0.2 mi. W. of, in SE¼ sec. 9, T. 22 N., R. 2 E., about 150 ft. S. of junction of T-rd. E., on W. side of rd., on N. end of concrete culvert; chiseled square-----	789.38
[Continued in McLean quadrangle, line 2]	
5. From point 5.5 miles west of Farmer City along roads west to crossroads 2.6 miles north of Wapella, thence south 0.1 mile (by L. V. Johnson in 1930)	
[Continued from Arrowsmith quadrangle, line 2]	
Farmer City, 6.4 mi. W. of, 6.5 mi. S. of Le Roy, near N. cor. secs. 28 and 29, T. 21 N., R. 4 E., 900 ft. W. of junction of T-rd. N., 220 ft. E. of fence line S., on W. end of S. head wall of concrete culvert; chiseled square-----	747.17
Le Roy, 6.5 mi. S. and 0.8 mi. W. from, 0.25 mi. E. of NW. cor. sec. 29, T. 21 N., R. 4 E., 30 ft. S. and 20 ft. E. from crossroads, 10 ft. SE. of fence corner, in root on W. side of 15-in. hickory tree; copper nail and washer-----	749.79
Le Roy, 6.5 mi. S. and 1.6 mi. W. from, near N¼ cor. sec. 30, T. 21 N., R. 4 E., 7 ft. S. and 33 ft. E. from center of steel bridge over North Fork of Salt Creek, on stone wing wall; chiseled square-----	709.34
Le Roy, 6.5 mi. S. and 2.0 mi. W. from, 0.3 mi. N. and 1.0 mi. E. from Solomon, near SW. cor. sec. 19, T. 21 N., R. 4 E., 25 ft. N. and 45 ft. E. from junction of T-rd. N., in concrete post; standard tablet stamped "Prim Trav Sta No 36 Mac 1923"-----	750.759
Solomon, 0.3 mi. N. of, near SE. cor. sec. 23, T. 21 N., R. 3 E., 15 ft. N. and 15 ft. W. from junction of N.-S. rd., on S. end of W. concrete head wall of culvert; chiseled square-----	747.65
Solomon, 0.3 mi. N. and 1.3 mi. W. from, 0.25 mi. W. of NE. cor. sec. 27, T. 21 N., R. 3 E., 25 ft. S. and 27 ft. W. from jog W. in rd., 3 ft. SE. of fence corner, in root on W. side of 4-in. wild-cherry tree; copper nail and washer-----	796.05
Solomon, 0.3 mi. N. and 2.0 mi. W. from, 4.0 mi. S. and 6.0 mi. E. from Heyworth, near NW. cor. sec. 27, T. 21 N., R. 3 E., 30 ft. S. and 45 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 37 Mac 1923"-----	795.893
Reference mark, 17 ft. N. and 25 ft. W. from crossroads, on N. end of corrugated iron culvert; chiseled square-----	796.27
Heyworth, 4.0 mi. S. and 5.0 mi. E. from, near SW. cor. sec. 21, T. 21 N., R. 3 E., 25 ft. N. and 70 ft. E. from junction of T-rd. N., 5 ft. N. and 45 ft. E. from corner gatepost, in root on S. side of 20-in. maple tree; copper nail and washer-----	804.11

⁷³ This bench mark apparently was raised 0.065 ft. by frost. The figures given represent the new elevation.

Heyworth, 4.0 mi. S. and 4.0 mi. E. from, near SW. cor. sec. 20, T. 21 N., R. 3 E., 20 ft. N. and 15 ft. E. from junction of rd. N., 20 ft. N. of junction of rd. S., on concrete head wall of culvert; chiseled square-----	<i>Feet</i> 782.46
Heyworth, 4.0 mi. S. and 3.0 mi. E. from, 2.6 mi. N. thence 2.2 mi. E. from Wapella, 25 ft. N. and 30 ft. E. from SW. cor. sec. 19, T. 21 N., R. 3 E., at offset crossroads, 10 ft. E. of fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 38 Mac 1923"-----	758.171
Reference mark, 40 ft. N. and 15 ft. E. from junction of rd. E., on E. end of concrete culvert; chiseled square-----	757.71
Wapella, 2.6 mi. N. thence 0.6 mi. E. from, near N $\frac{1}{4}$ cor. sec. 26, T. 21 N., R. 2 E., 35 ft. S. and 170 ft. E. from junction of T-rd. N., 9 ft. S. and 28 ft. E. from fence corner, in root on NW. side of double-trunked maple tree; copper nail and washer-----	747.24
Wapella, 2.6 mi. N. of, about 800 ft. W. of E. cor. secs. 22 and 27, T. 21 N., R. 2 E., 25 ft. S. and 32 ft. W. from crossroads, on concrete base of corner fence post; chiseled square-----	739.59

[Continued in Maroa quadrangle, line 4]

6. From point 2 miles south and 0.8 mile east from Le Roy alternately west and north along roads to Le Roy (by L. V. Johnson in 1930)

[Continued from Arrowsmith quadrangle, line 3]

Le Roy, 2.0 mi. S. and 0.6 mi. E. from, near center of sec. 33, T. 22 N., R. 4 E., 15 ft. E. of rd., 55 ft. N. of bridge over N. Fork of Salt Creek, on NE. wing wall; chiseled square-----	729.08
Le Roy, 1.0 mi. S. and 0.2 mi. E. from, in W $\frac{1}{2}$ sec. 28, T. 22 N., R. 4 E., 0.7 mi. S. of Cleveland, Cincinnati, Chicago & St. Louis Ry., 50 ft. NE. of junction of rd. N., 90 ft. from gate at residence, in concrete post; standard tablet stamped "Prim Trav Sta No 52 Mac 1923"-----	786.811
Reference mark, on sidewalk leading to farmhouse; chiseled square	788.16
Le Roy, 1.0 mi. SW. of, 0.25 mi. E. of center of sec. 29, T. 22 N., R. 4 E., 105 ft. E. of junction of rd. N., 25 ft. S. of rd., in root on NW. side of 40-in. elm tree; copper nail and washer-----	792.65
7. From point 1 mile southwest of Le Roy along roads alternately southwest and west 11.9 miles to Heyworth (by L. V. Johnson in 1930)	
Le Roy, 2.0 mi. SW. of, in SE $\frac{1}{4}$ sec. 30, T. 22 N., R. 4 E., 300 ft. NE. of farmhouse, at steel bridge over creek, on NW. wing wall; chiseled square-----	739.98
Le Roy, 2.5 mi. SW. of, near S $\frac{1}{4}$ cor. sec. 30, T. 22 N., R. 4 E., 11 ft. N. and 35 ft. W. from crossroads, on N. concrete head wall of culvert; chiseled square-----	780.06
Le Roy, 2.5 mi. SW. thence 1.0 mi. W. from, near N $\frac{1}{4}$ cor. sec. 36, T. 22 N., R. 3 E., 26 ft. S. and 42 ft. E. from junction of T-rd. S., 16 ft. E. of fence corner, in concrete post; standard tablet stamped "2 J 1930"-----	782.241
Reference mark, 27 ft. S. and 25 ft. E. from crossroads, on concrete base of corner fence post; chiseled square-----	781.77
Le Roy, 2.5 mi. SW. thence 1.5 mi. W. from, near N. cor. secs. 35 and 36, T. 22 N., R. 3 E., 12 ft. S. and 23 ft. W. from bridge, on W. end of SW. concrete wing wall; chiseled square-----	771.27

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Le Roy, 2.5 mi. SW. thence 3.5 mi. W. from, near SW. cor. sec. 27, T. 22 N., R. 3 E., 30 ft. N. and 25 ft. E. from crossroads, 7 ft. NE. of fence corner, in root on S. side of 36-in. maple tree; copper nail and washer-----	<i>Fect</i> 787.78
Le Roy, 2.5 mi. SW. thence 4.5 mi. W. from, 1.3 mi. NE. thence 4.5 mi. E. from Heyworth, near SE. cor. sec. 29, T. 22 N., R. 3 E., 26 ft. N. and 26 ft. W. from crossroads, 4 ft. N. and 4 ft. W. from fence corner, in concrete post; standard tablet stamped "3 J 1930"---	789.358
Reference mark, in SW. angle of crossroads, on concrete base of corner fence post; chiseled square-----	789.38
Heyworth, 1.3 mi. NE. thence 3.5 mi. E. from, near SW. cor. sec. 29, T. 22 N., R. 3 E., 30 ft. N. and 20 ft. E. from crossroads, 1 ft. E. of fence corner, in SW. side of 30-in. maple tree; copper nail and washer-----	793.16
Heyworth, 1.3 mi. NE. thence 1.9 mi. E. from, near S¼ cor. sec. 25, T. 22 N., R. 2 E., 8 ft. N. and 45 ft. E. from junction of T-rd. S., on N. end of 36-in. iron culvert; chiseled square-----	769.43
Heyworth, 1.3 mi. NE. thence 1.4 mi. E. from, near NE. cor. sec. 35, T. 22 N., R. 2 E., 28 ft. S. and 25 ft. W. from junction of rd. S., 28 ft. S. and 44 ft. W. from junction of rd. N., 7 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "4 J 1930"-----	777.103
Reference mark, in NW. angle of crossroads, 5 ft. N. of fence corner, on rock; chiseled square-----	777.97
Heyworth, 1.3 mi. NE. thence 0.4 mi. E. from, near NE. cor. sec. 34, T. 22 N., R. 2 E., 12 ft. S. and 15 ft. W. from junction of T-rd. N., at bottom of large ravine, on concrete head wall of culvert; chiseled square-----	744.64
Heyworth, in NE. part of, at bottom of large ravine, in line with fence E., on E. concrete head wall of culvert; chiseled square----	735.81
U. S. C. & G. S. standard disk stamped "Q 7"-----	748.847
U. S. C. & G. S. standard disk stamped "R 7"-----	741.760

8. From point 4 miles south and 1.3 miles west from Heyworth along roads alternately east and north to Heyworth (by S. R. Archer in 1930)

[Continued from McLean quadrangle, line 4]

Heyworth, 4.0 mi. S. and 1.0 mi. W. from, near SE. cor. sec. 20, T. 21 N., R. 2 E., in NW. angle of crossroads, at concrete culvert under rd. N., on top of SW. end of W. head wall; chiseled square---	707.47
Heyworth, 3.6 mi. S. and 1.0 mi. W. from, 0.14 mi. S. of W¼ cor. sec. 21, T. 21 N., R. 2 E., 0.12 mi. N. of bridge over Kickapoo Creek, on top of N. end of E. head wall of concrete culvert; chiseled square-----	697.98
Heyworth, 3.0 mi. S. and 1.0 mi. W. from, near NE. cor. sec. 20, T. 21 N., R. 2 E., 27 ft. S. and 27 ft. W. from junction of T-rd. W., in root on N. side of 18-in. wild-cherry tree used as corner fence post; copper nail and washer-----	740.92
Heyworth, 2.0 mi. S. and 1.0 mi. W. from, near De Witt-McLean county line, near SE. cor. sec. 8, T. 21 N., R. 2 E., 30 ft. N. and 18 ft. W. from junction of T-rd. W., in concrete post; standard tablet stamped "P T Sta No 89 F 1925"-----	730.587
Reference mark, 35 ft. S. and 25 ft. E. from rd. junction, in root on SW. side of 48-in. cottonwood tree; copper nail and washer-----	731.40

Heyworth, 1.0 mi. S. thence 1.0 mi. W. from, near NW. cor. sec. 9, T. 21 N., R. 2 E., 230 ft. E. of crossroads, on S. side of rd., at fence line, in root on NE. side of 30-in. wild-cherry tree; copper nail and washer-----	<i>Feet</i> 715. 62
Heyworth, 1.0 mi. S. thence 0.3 mi. W. from, 0.25 mi. E. of S¼ cor. sec. 4, T. 21 N., R. 2 E., on top of E. end of N. head wall of concrete culvert; chiseled square-----	719. 43
Heyworth, 1.0 mi. S. of, near SW. cor. sec. 3, T. 21 N., R. 2 E., 125 ft. N. of intersection of U. S. Highway 51, on E. side of highway, at drain under driveway E., on top of N. concrete head wall; chiseled square-----	728. 83
Heyworth, 0.4 mi. S. of, 0.12 mi. N. of quarter corner between secs. 3 and 4, T. 21 N., R. 2 E., at curve NW. in highway, S. of rd. junction, on top of N. end of E. head wall of concrete culvert; chiseled square-----	730. 97
9. From crossroads 2.6 miles north of Wapella along roads alternately west and north to point 3 miles south and 1 mile west from Heyworth (by L. V. Johnson in 1930)	
Wapella, 2.6 mi. N. thence 0.9 mi. W. from, 4.0 mi. S. of Heyworth, near NE. cor. sec. 28, T. 21 N., R. 2 E., 25 ft. S. and 29 ft. W. from crossroads, 4 ft. S. of fence corner, in concrete post; standard tablet stamped "1 J. 1930"-----	733. 948
Reference mark, 105 ft. N. and 20 ft. W. from crossroads, on top of S. concrete head wall of culvert; chiseled square-----	732. 25
Heyworth, 3.2 mi. S. of, 0.25 mi. S. of NW. cor. sec. 22, T. 21 N., R. 2 E., 20 ft. N. and 30 ft. E. from crossroads, in SW. corner of service sta. lot, on large rock; chiseled square-----	746. 74

McLEAN QUADRANGLE

[Latitude 40°15'–40°30'; longitude 89°00'–89°15']

DE WITT, LOGAN, AND McLEAN COUNTIES

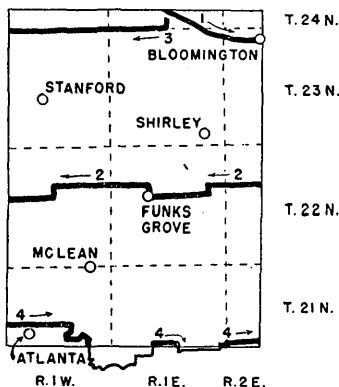


FIGURE 182.—Lines of leveling in McLean quadrangle.

1. From point 0.9 mile northwest of Twin Grove southeast along Cleveland, Cincinnati, Chicago & St. Louis Railway to Bloomington (by E. L. McNair in 1905; first-order leveling)

[Continued from Danvers quadrangle, line 1]

Twin Grove, 4.8 mi. NE. of passenger sta. at Bloomington, at N. end of passenger platform, 10 ft. S. of track, S. of W. end of elevator owned by F. Supple; standard iron post with bronze cap designated "M"-----

Fcct
815. 874

Bloomington, 0.8 mi. W. of intersection of C. C. C. & St. L. Ry. and Chicago & Alton R. R., at plate-girder bridge over creek, 15 ft. from center line of track, 6 ft. below top of rail, in top of S. side of W. abutment; aluminum tablet designated "N"-----

745. 737

[Continued in Le Roy quadrangle, line 1]

2. From point 0.3 mile south and 1 mile west from Randolph generally west along roads to point 1.5 miles north and 3.2 miles east from Armington (by C. E. Walker in 1925)

[Continued from Le Roy quadrangle, line 4]

Randolph, 0.3 mi. S. and 3.0 mi. W. from, 2.5 mi. S. and 1.0 mi. E. from Shirley, near NE. cor. sec. 13, T. 22 N., R. 1 E., 20 ft. S. and 25 ft. W. from junction of T-rd. E., in concrete post; standard tablet stamped "P T Sta No 93 F 1925"-----

726. 499

Shirley, 2.8 mi. S. of, in NW¼ sec. 13, T. 22 N., R. 1 E., 1,250 ft. N. of crossroads, on E. side of rd., at front gateway of farmhouse of E. D. Funk, on S. end of concrete culvert; chiseled square-----

731. 33

Shirley, 3.0 mi. S. and 1.0 mi. W. from, near quarter corner between secs. 14 and 15, T. 22 N., R. 1 E., in front of Benjamin Funk School (District School No. 401.), on N. side of rd., on W. end of concrete culvert; chiseled square-----	Feet 733. 81
Shirley, 3.0 mi. S. and 2.0 mi. W. from, 1.0 mi. E. of Funks Grove, near E¼ cor. sec. 16, T. 22 N., R. 1 E., 20 ft. S. and 45 ft. W. from crossroads, 2 ft. N. of fence, in concrete post; standard tablet stamped "P T Sta No 92 F 1925" ⁷⁴ -----	717. 268
Reference mark, 20 ft. SE. of crossroads, on E. end of concrete culvert; chiseled square-----	717. 62
Funks Grove, 150 ft. SW. of R. R. sta., 80 ft. SW. of R. R. crossing, at water tank, on NE. concrete pier; chiseled square-----	694. 11
Funks Grove, about 0.4 mi. N. thence 2.0 mi. W. from, 4.0 mi. N. thence 1.0 mi. E. from McLean, near SW. cor. sec. 7, T. 22 N., R. 1 E., 20 ft. N. and 45 ft. E. from crossroads, 2 ft. S. of fence, in concrete post; standard tablet stamped "P T Sta No 91 F 1925"-----	695. 425
McLean, 4.0 mi. N. thence 2.0 mi. W. from, about 0.4 mi. N. thence 5.0 mi. W. from Funks Grove, 4.5 mi. S. and 0.5 mi. E. from Stanford, near SE. cor. sec. 9, T. 22 N., R. 1 W., 15 ft. N. and 25 ft. W. from junction of N.-S. rd., in concrete post; standard tablet stamped "P T Sta No 90 F 1925"-----	670. 691
Stanford, 5.0 mi. S. and 0.5 mi. W. from, near E¼ cor. sec. 17, T. 22 N., R. 1 W., 90 ft. SW. of crossroads, in front of church, on N. end of concrete walk; chiseled square-----	674. 26
Stanford, 5.0 mi. S. and 1.5 mi. W. from, 1.5 mi. N. thence 3.5 mi. E. from Armington, near E¼ cor. sec. 18, T. 22 N., R. 1 W., 50 ft. W. of crossroads, in S. side of 8-in. elm tree; copper nail and washer-----	656. 25

[Continued in Minier quadrangle, line 1]

3. From point 4.7 miles southeast thence 0.1 mile south from Danvers along roads south 1 mile, thence west to point 3.5 miles north and 1.6 miles west from Stanford (by C. E. Walker in 1925)

[Connects with line 1 in Danvers quadrangle]

Danvers, 4.7 mi. SE. thence 1.1 mi. S. from, 0.7 mi. N. and 5.3 mi. W. from Bloomington, near S. cor. secs. 33 and 34, T. 24 N., R. 1 E., at crossroads, on top of N. head wall of concrete culvert; chiseled square-----	768. 05
Bloomington, 0.7 mi. N. and 6.3 mi. W. from, near N. cor. secs. 4 and 5, T. 23 N., R. 1 E., 18 ft. S. and 90 ft. W. from junction of rd. SE., 2 ft. N. and 20 ft. W. from fence corner, in concrete post; standard tablet stamped "P T Sta No 66 F 1925"-----	795. 501
Bloomington, 0.7 mi. N. and 7.8 mi. W. from, near S¼ cor. sec. 31, T. 24 N., R. 1 E., on N. side of rd., at culvert over Sugar Creek, on top of N. concrete head wall; chiseled square-----	716. 82
Bloomington, 0.7 mi. N. and 9.7 mi. W. from, 2.6 mi. S. of Danvers, 3.5 mi. N. and 2.1 mi. E. from Stanford, near N¼ cor. sec. 2, T. 23 N., R. 1 W., 20 ft. S. and 30 ft. W. from junction of T-rd. N., 3 ft. N. of hedge fence, in concrete post; standard tablet stamped "P T Sta No 67 F 1925"-----	722. 453

⁷⁴ In 1940 this bench mark was reported destroyed.

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Reference mark, 30 ft. NW. of rd. junction, on W. end of concrete culvert; chiseled square-----	<i>Fcct</i> 721.42
Stanford, 3.5 mi. N. and 1.0 mi. W. from, near S $\frac{1}{4}$ cor. sec. 32, T. 24 N., R. 1 W., 30 ft. N. and 25 ft. W. from crossroads, in fence corner, in concrete post; standard tablet stamped "P T Sta No 68 F 1925" (recovered in 1930)-----	686.489
Reference mark 1, 50 ft. NW. of crossroads, on N. end of concrete culvert; chiseled square-----	685.19
Reference mark 2, 70 ft. N. of tablet, in root on E. side of 24-in. hard-maple tree; copper nail and washer (established in 1930)-----	687.74
[Connects with line 1 in Minier quadrangle]	
4. From point near Atlanta along roads alternately east and south to Waynesville, thence north and east to point 4 miles south and 1.3 miles west from Heyworth (by S. R. Archer in 1930)	
[Connects with line 2 in Minier quadrangle]	
Atlanta, in NW. part of, 500 ft. E. of intersection of Pennsylvania R. R., on N. side of street, opposite street S., at SW. corner of yard of residence, in root on S. side of 48-in. cottonwood tree; copper nail and washer-----	719.73
Atlanta, in NE. part of, 22 ft. S. and 135 ft. W. from intersection of Chicago & Alton R. R., 2 ft. S. of fence corner, in concrete post; standard tablet stamped "T T Sta No 8 1909"-----	709.359
Reference mark, 300 ft. E. of tablet, on E. side of R. R., in NE. angle of crossroads, at drain under rd., on top of N. concrete head wall; chiseled square-----	706.71
Atlanta, 0.5 mi. N. thence 1.8 mi. E. from intersection of C. & A. R. R. and P. R. R., 0.2 mi. E. of NW. cor. sec. 22, T. 21 N., R. 1 W., 0.2 mi. E. of crossroads, 20 ft. W. of bridge, on S. side of rd., on top of W. end of concrete retaining wall; chiseled square-----	677.39
Atlanta, 0.5 mi. N. thence 2.6 mi. E. from, near SE. cor. sec. 15, T. 21 N., R. 1 W., 0.1 mi. W. of crossroads, at E. abutment of bridge, on top of NE. end of concrete part of N. wing wall; chiseled square-----	650.47
Atlanta, 0.5 mi. N. thence 2.7 mi. E. from, near NW. cor. sec. 23, T. 21 N., R. 1 W., 240 ft. S. of crossroads, at N. stone abutment of bridge, on top of E. end of bridge seat; chiseled square-----	649.93
Atlanta, 0.1 mi. S. and 2.7 mi. E. from, 0.25 mi. W. of center of sec. 23, T. 21 N., R. 1 W., 225 ft. E. of junction of T-rd. N., at E. concrete abutment of bridge, on S. wing wall, near bridge end; chiseled square-----	644.79
Atlanta, 0.1 mi. S. and 3.2 mi. E. from, 2.7 mi. W. thence 1.3 mi. N. from P. R. R. sta. at Waynesville, 0.1 mi. N. of center of SE $\frac{1}{4}$ sec. 23, T. 21 N., R. 1 W., in NE. corner of schoolyard, 20 ft. S. and 40 ft. W. from junction of N-S. rd., 14 ft. W. of fence corner, in concrete post; standard tablet stamped "P T Sta No 85 F 1925"-----	696.569
Reference mark, 170 ft. S. of rd. junction, on E. side of rd., in front of farmhouse, 14 ft. N. of SW. corner of yard, in root on NW. side of 24-in. tree, southernmost of two elm trees 15 ft. apart; copper nail and washer-----	694.45

Waynesville, 2.7 mi. W. thence 1.0 mi. N. from, 0.25 mi. W. of SE. cor. sec. 23, T. 21 N., R. 1 W., 75 ft. N. of junction of T-rd. E., on W. side of rd., at fence line, in root on E. side of 12-in. elm tree; copper nail and washer-----
Fect
 675. 16

[Jogs into Kenney quadrangle, line 7]

Waynesville, 1.0 mi. N. and 1.2 mi. E. from, 0.25 mi. E. of NW. cor. sec. 28, T. 21 N., R. 1 E., 30 ft. S. and 60 ft. E. from junction of T-rd. E., 5 ft. S. and 40 ft. E. from fence corner, in root on S. side of 15-in. hickory tree; copper nail and washer-----
 695. 15

Waynesville, 1.0 mi. N. and 2.0 mi. E. from, near NW. cor. sec. 27, T. 21 N., R. 1 E., 50 ft. E. of junction of T-rd. N., at E. concrete abutment of bridge, on top of SE. end of S. wing wall; chiseled square-----
 694. 06

Waynesville, 1.0 mi. N. and 2.3 mi. E. from, 0.14 mi. W. of S¼ cor. sec. 22, T. 21 N., R. 1 E., 0.11 mi. E. of junction of T-rd. S., on N. side of rd., on E. bank of Rock Creek, at end of NE. wing wall of bridge, on top of N. concrete retaining wall, on N. side of 8-in. sluiceway; chiseled square (recovered in 1936)-----
 682. 30

Waynesville, 1.0 mi. N. and 3.0 mi. E. from, near SE. cor. sec. 22, T. 21 N., R. 1 E., 40 ft. N. and 25 ft. W. from junction of N-S. rd., 17 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "P T Sta No 87 F 1925"-----
 721. 849

[Jogs into Kenney quadrangle, line 8]

Heyworth, 4.0 mi. S. and 2.8 mi. W. from, 0.25 mi. W. of S¼ cor. sec. 19, T. 21 N., R. 2 E., in NE. angle of crossroads, in front of S. entrance of schoolhouse, on top of NW. corner of concrete stoop; chiseled square-----
 752. 84

Heyworth, 4.0 mi. S. and 2.0 mi. W. from, near NE. cor. sec. 30, T. 21 N., R. 2 E., 20 ft. S. and 65 ft. W. from crossroads, 40 ft. W. of fence corner, in concrete post; standard tablet stamped "P T Sta No 88 F 1925"-----
 738. 765

Reference mark, in NW. angle of crossroads, on top of N. head wall of concrete culvert; chiseled square-----
 739. 41

[Continued in Le Roy quadrangle, line 8]

MAHOMET QUADRANGLE

[Latitude 40°00'–40°15'; longitude 88°15'–88°30']

CHAMPAIGN AND PIATT COUNTIES

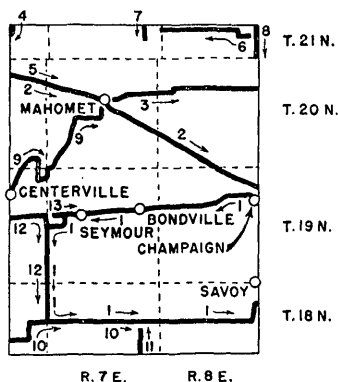


FIGURE 183.—Lines of leveling in Mahomet quadrangle.

1. From Champaign west along Illinois Central Railroad to road crossing 1 mile west of Seymour, thence along roads south 0.6 mile and west 1 mile to Champaign-Piatt county line, thence south 5 miles, thence east to point 2 miles south of Savoy, thence north 1 mile along Illinois Central Railroad and east 0.2 mile along road (by R. C. Howard in 1905)

[Connects with line 1 in Urbana quadrangle]

Staley, 0.2 mi. W. of, 2.7 mi. E. of Bondville, near SW. cor. sec. 9, T. 19 N., R. 8 E., in NE. angle of rd. intersection; standard iron post with bronze cap stamped "1905 734"-----	<i>Feet</i> 733.947
Bondville, 300 ft. E. of sta., 3.1 mi. E. of Seymour, 50 ft. N. of track; standard iron post with bronze cap stamped "717"-----	716.313
Seymour, 75 ft. N. and 115 ft. W. from sta., on W. side of N.-S. street, 5.5 ft. W. of W. edge of sidewalk, in yard of residence; standard iron post with bronze cap stamped "1905 698" (recovered in 1936 and restamped "697")-----	697.284
Seymour, 0.6 mi. S. and 2.0 mi. W. from, near SW. cor. sec. 18, T. 19 N., R. 7 E., in NE. angle of crossroads; standard iron post with bronze cap stamped "1905 707" ⁷⁵ -----	706.661
Seymour, 3.6 mi. S. and 2.0 mi. W. from, near NE. cor. sec. 1, T. 18 N., R. 6 E., in SW. angle of junction of T-rd. S.; standard iron post with bronze cap stamped "1905 708" ⁷⁶ -----	707.956

⁷⁵ In 1936 this bench mark was replaced by the standard iron post with bronze cap stamped "706," described in line 12.

⁷⁶ In 1936 this bench mark was destroyed. It was replaced by standard iron post stamped "708," described in line 12.

Seymour, 5.6 mi. S. thence 2.0 mi. W. from, 0.5 mi. SW. of Blue Mound, near SE. cor. sec. 12, T. 18 N., R. 6 E., in NW. angle of junction of E.-W. rd., 4.5 ft. S. and 20 ft. W. from fence corner; standard iron post with bronze cap stamped "1905 702" (recovered in 1936)-----	<i>Fcet</i> 701. 851
Seymour, 5.6 mi. S. thence 1.0 mi. E. from, 5.8 mi. S. thence 2.0 mi. W. from Bondville, near SW. cor. sec. 10, T. 18 N., R. 7 E., in NE. angle of crossroads; standard iron post with bronze cap stamped "1905 692" (recovered in 1935)-----	691. 268
Bondville, 5.8 mi. S. thence 1.0 mi. E. from, 2.0 mi. S. thence 5.0 mi. W. from Savoy, near SE. cor. sec. 12, T. 18 N., R. 7 E., 85 ft. N. and 40 ft. W. from crossroads; standard iron post with bronze cap stamped "1905 690" (recovered in 1935)-----	689. 727
Savoy, 2.0 mi. S. thence 2.0 mi. W. from, at Fisher School, near SW. cor. sec. 10, T. 18 N., R. 8 E., in NE. angle of crossroads, in SW. corner of schoolyard; standard iron post with bronze cap stamped "1905 728"-----	727. 869

[Connects with line 1 in Urbana quadrangle]

2. From Mansfield southeast along Cleveland, Cincinnati, Chicago & St. Louis Railway to Champaign (by E. L. McNair in 1905; first-order leveling)

[Continued from Monticello quadrangle, line 1]

Mansfield, 3.4 mi. SE. of, 2.3 mi. NW. of Mahomet, about 600 ft. W. of SE. cor. sec. 7, T. 20 N., R. 7 E., at plate-girder bridge 270-40, in S. end of W. abutment; aluminum tablet designated "A 1" (recovered in 1924)-----	721. 107
Mahomet, 230 ft. W. of sta., 15 ft. N. of center line of track; standard iron post with bronze cap designated "B 1" ⁷⁷ -----	711. 665
Mahomet, 2.0 mi. SE. of, 2.5 mi. NW. of Rising, near center of SE $\frac{1}{4}$ sec. 23, T. 20 N., R. 7 E., at bridge 266-11, about 10 ft. from center line of track, in top of S. side of stone culvert; aluminum tablet designated "C 1"-----	732. 971
Rising, 75 ft. W. of sta., 15 ft. N. of center line of track; standard iron post with bronze cap designated "D 1"-----	733. 532
Rising, 3.2 mi. SE. of, 2.5 mi. NW. of Champaign, at small I-beam bridge, 15 ft. S. of center line of tracks, in S. side of W. abutment; aluminum tablet designated "E 1"-----	747. 764

[Continued in Urbana quadrangle, line 4]

3. From Mahomet generally east along roads to point 0.7 mile north and 2.1 miles west from Leverett (by R. C. Howard in 1905)

Mahomet, 3.3 mi. E. of, 0.25 mi. N. of quarter corner between secs. 13 and 18, T. 20 N., Rs. 7 and 8 E., on N. side of rd.; standard iron post with bronze cap stamped "1905 747"-----	746. 688
Mahomet, 6.7 mi. E. of, near SW. cor. sec. 10, T. 20 N., R. 8 E., in NE. angle of crossroads; standard iron post with bronze cap stamped "1905 772"-----	772. 037

[Connects with line 3 in Urbana quadrangle]

⁷⁷ A recovery of this iron post in 1928 disclosed that the figures of elevation previously given for it were not in accord with those given for adjacent bench marks. It is therefore presumed that this post has been disturbed.

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4. From point 1.2 miles south and 0.5 mile west from Blue Ridge south 0.3 mile along road to intersection of Wabash Railway, thence southwest along railway 0.2 mile to point 2 miles northeast of Mansfield (by S. R. Archer in 1924; leveled twice)

[Continued from Gibson City quadrangle, line 1]

Blue Ridge, 0.5 mi. W. thence 1.4 mi. S. from, 400 ft. N. of E $\frac{1}{4}$ cor. sec. 27, T. 21 N., R. 6 E., 460 ft. N. of R. R. crossing, on top of W. head wall of concrete culvert; chiseled square-----	Feet 766.29
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[Continued in Monticello quadrangle, line 2]

5. From point 0.5 mile southeast of Mansfield southeast along Cleveland, Cincinnati, Chicago & St. Louis Railway 2.9 miles to point 2.3 miles northwest of Mahomet (by S. R. Archer in 1924)

[Continued from Monticello quadrangle, line 2]

Mansfield, 0.9 mi. E. of intersection of C. C. C. & St. L. Ry. and Wabash Ry., in NW $\frac{1}{4}$ sec. 11, T. 20 N., R. 6 E., 350 ft. E. of milepost "Ind. 133," at bridge 303, on S. parapet of W. concrete abutment; chiseled square-----	719.29
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------

Mansfield, 1.6 mi. SE. of, 310 ft. W. of E $\frac{1}{4}$ cor. sec. 11, T. 20 N., R. 6 E., 310 ft. W. of bend SE. in rd., on top of N. head wall of concrete culvert under rd.; chiseled square-----	725.66
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Mansfield, 2.7 mi. SE. of, 3.1 mi. NW. of Mahomet, 0.2 mi. N. of SE. cor. sec. 12, T. 20 N., R. 6 E., 30 ft. W. of intersection of N.-S. rd., at N. end of iron drain pipe 301-A under R. R., on E. end of concrete head wall; chiseled square-----	731.14
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6. From point 0.3 mile south and 3.5 miles west from Thomasboro alternately west and north along roads to point 4.7 miles south of Fisher (by W. R. Broadus in 1924)

[Connects with line 6 in Urbana quadrangle]

Thomasboro, 0.3 mi. S. thence 3.6 mi. W. from, near NE. cor. sec. 35, T. 21 N., R. 8 E., 105 ft. S. and 33 ft. W. from crossroads, 23 ft. NE. of front entrance of schoolhouse, in root on E. side of 30-in. maple tree; copper nail and washer-----	762.40
T. 21 N., R. 8 E., near SE. cor. sec. 27, 7 ft. N. and 25 ft. W. from junction of N.-S. rd., in root on E. side of 14-in. walnut tree; copper nail and washer-----	781.95
T. 21 N., R. 8 E., near E $\frac{1}{4}$ cor. sec. 27, 45 ft. S. and 27 ft. W. from junction of T-rd. W., 18.5 ft. S. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "13 B 1924"-----	774.443
Reference mark, 8.7 ft. SE. of tablet, 110 ft. S. and 27 ft. E. from rd. junction, in root on W. side of 16-in. elm tree; copper nail and washer-----	776.72
T. 21 N., R. 8 E., near E $\frac{1}{4}$ cor. sec. 28, 35 ft. S. and 15 ft. W. from crossroads, at concrete culvert under concrete county rd., on top near center of W. head wall; chiseled square-----	752.88
T. 21 N., R. 8 E., near W $\frac{1}{4}$ cor. sec. 28, 40 ft. S. and 95 ft. E. from crossroads, in root on N. side of 16-in. maple tree; copper nail and washer-----	740.94
T. 21 N., R. 8 E., near E $\frac{1}{4}$ cor. sec. 30, 5.0 mi. S. thence 1.0 mi. E. from Fisher, at offset crossroads, 64 ft. W. of T-rd. N., 28 ft. W. of junction of T-rd. S., 33 ft. N. of E.-W. rd., in schoolyard, in line with corner of fences along W. side of rd. S. and N. side of E.-W. rd., in concrete post; standard tablet stamped "14 B 1924"-----	730.421

Reference mark, 145 ft. N. of tablet, 30 ft. N. and 10 ft. E. from entrance to schoolhouse, in root on E. side of 16-in. maple tree; copper nail and washer-----	<i>Feet</i> 731.81
Fisher, 5.0 mi. S. of, at Oak Grove Church, near E $\frac{1}{4}$ cor. sec. 25, T. 21 N., R. 7 E., at offset crossroads, 50 ft. S. and 45 ft. W. from junction of T-rd. W., 140 ft. S. and 45 ft. W. from junction of T-rd. E., 60 ft. N. and 3 ft. W. from entrance to church, in root on E. side of 24-in. post-oak tree; copper nail and washer-----	708.64
Big Slough, under bridge; surface of water Sept. 22 1924-----	685.5

[Continued in Gibson City quadrangle, line 3]

7. From point 4.7 miles south and 1 mile west from Fisher south along road 0.8 mile (by W. R. Broadus in 1924; spur line leveled twice)

[Connects with line 3 in Gibson City quadrangle]

Fisher, 4.9 mi. S. and 1.0 mi. W. from, 600 ft. N. of E $\frac{1}{4}$ cor. sec. 26, T. 21 N., R. 7 E., 600 ft. N. of junction of T-rd. E., on W. side of concrete culvert; chiseled square-----	710.33
Fisher, 5.5 mi. S. and 1.0 mi. W. from, near NE. cor. sec. 35, T. 21 N., R. 7 E., 38 ft. S. 41°50' W. from stone marking section corner; standard iron post with bronze cap stamped "Prim Trav Sta No 9 1905 711"-----	710.901
Reference mark, 42 ft. N. of iron post, in NW. angle of rd. junction, in fence corner, in root on E. side of 15-in. hedge tree; copper nail and washer-----	710.67

8. From point 4.7 miles south and 1.5 miles east from Dewey along roads south 1.8 miles, thence east 0.1 mile to point 1.3 miles south and 3.5 miles west from Thomasboro (by S. R. Archer in 1924)

[Continued from Gibson City quadrangle, line 2]

Dewey, 6.5 mi. S. and 1.5 mi. E. from, 1.3 mi. S. thence 3.6 mi. W. from Thomasboro, near SW. cor. sec. 36, T. 21 N., R. 8 E., in NE. angle of junction of E.-W. rd., at fence corner, in root on NW. side of 12-in. Osage-orange tree; copper nail and washer-----	758.81
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[Connects with line 4 in Urbana quadrangle]

9. From Centerville generally northeast along roads to Mahomet (by H. S. Senseney in 1928)

[Continued from Monticello quadrangle, line 3]

Centerville, 1.0 mi. NE. of, near center of sec. 2, T. 19 N., R. 6 E., in NW. angle of junction of rd. W., in root of tree; copper nail and washer-----	667.07
Centerville, 2.0 mi. NE. of, near center of SE $\frac{1}{4}$ sec. 35, T. 20 N., R. 6 E., 20 ft. N. of junction of rd. W., on W. side of rd., in concrete post; standard tablet stamped "37 S 1928"-----	693.717
Reference mark, 190 ft. N. of tablet, on W. side of rd., in root of tree; copper nail and washer-----	691.33
Centerville, 2.9 mi. NE. of, near center of sec. 36, T. 20 N., R. 6 E., in SE. angle of crossroads, in root of tree; copper nail and washer---	693.55
Centerville, 2.9 mi. NE. thence 0.5 mi. S. from, 6.7 mi. SW. thence 0.6 mi. N. from Mahomet, near N $\frac{1}{4}$ cor. sec. 1, T. 19 N., R. 6 E., at bridge over Sangamon River, on W. end of center pier; chiseled square-----	663.78

	<i>Feet</i>
Sangamon River; surface of water Sept. 19, 1928-----	650. 7
Mahomet, 6.3 mi. SW. of, near E $\frac{1}{4}$ cor. sec. 1, T. 19 N., R. 6 E., in SW. angle of junction of Champaign-Piatt county-line rd., in root of tree; copper nail and washer-----	713. 04
Mahomet, 5.3 mi. SW. of, about 0.25 mi. N. of S $\frac{1}{4}$ cor. sec. 31, T. 20 N., R. 7 E., on E. side of rd., 100 ft. N. of rd. junction, in root of tree; copper nail and washer-----	698. 70
Mahomet, 4.0 mi. SW. of, near SW. cor. sec. 29, T. 20 N., R. 7 E.; at rd. junction, on S. side of rd., in concrete post; standard tablet stamped "38 S 1928"-----	690. 875
Reference mark, 1,195 ft. N. of tablet, on SE. wing wall of culvert; chiseled square-----	671. 90
Mahomet, 2.8 mi. SW. of, 280 ft. W. of quarter corner between secs. 20 and 29, T. 20 N., R. 7 E., in SW. angle of rd. junction, in root of tree; copper nail and washer-----	686. 56
Mahomet, 0.8 mi. S. thence 1.0 mi. W. from, 150 ft. E. of W $\frac{1}{4}$ cor. sec. 21, T. 20 N., R. 7 E., on S. side of rd., in root of tree; copper nail and washer-----	689. 08
Mahomet, 0.8 mi. S. of, near E $\frac{1}{4}$ cor. sec. 21, T. 20 N., R. 7 E., 18 ft. S. and 25 ft. W. from crossroads, in concrete post; standard tablet stamped "39 S 1928"-----	704. 129
Reference mark, 720 ft. N. of tablet, at bridge over Sangamon River, on E. end of S. abutment; chiseled square-----	684. 27
Sangamon River; surface of water Sept. 21, 1928-----	665. 5

10. From point 1 mile south and 3.9 miles east from Piatt County courthouse at Monticello along roads alternately east and north to crossroads 5.8 miles south and 1 mile east from Bondville (by S. R. Archer in 1935; leveled twice)

[Connects with line 6 in Monticello quadrangle]

Monticello, 1.0 mi. S. and 4.9 mi. E. from, 6.6 mi. S. thence 3.0 mi. W. from Seymour, near NW. cor. sec. 24, T. 18 N., R. 6 E., 25 ft. S. and 105 ft. E. from crossroads, 2 ft. N. of fence along N. side of schoolyard, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "700"-----	700. 192
Reference mark, in NE. angle of crossroads, in fence corner, in root on W. side of 12-in. ash tree; copper nail and washer-----	699. 34
Seymour, 5.6 mi. S. thence 3.0 mi. W. from, near SW. cor. sec. 12, T. 18 N., R. 6 E., in NE. angle of crossroads, on N. head wall of concrete culvert under rd. E.; chiseled square-----	690. 82
Seymour, 5.6 mi. S. thence 2.0 mi. W. from, near SE. cor. sec. 12, T. 18 N., R. 6 E., 340 ft. N. of junction of T-rd. N., on W. side of rd., 7 ft. W. of fence line, in field, in root on SE. side of three-forked elm tree; copper nail and washer (recovered in 1936) ⁷⁸ -----	703. 20
Seymour, 5.6 mi. S. thence 1.1 mi. W. from, 0.14 mi. W. of NE. cor. sec. 18, T. 18 N., R. 7 E., 0.14 mi. W. of crossroads, on SW. wing wall of concrete culvert; chiseled square-----	685. 68
Seymour, 5.6 mi. S. thence 0.8 mi. W. from, 0.18 mi. E. of SW. cor. sec. 8, T. 18 N., R. 7 E., at W. stone abutment of steel bridge over drainage ditch, on E. corner of N. end of W. bridge seat; chiseled square-----	684. 80

⁷⁸ Established as a reference mark to standard iron post with bronze cap stamped "702," described in line 1.

Seymour, 5.6 mi. S. of, near SW. cor. sec. 9, T. 18 N., R. 7 E., in NE. angle of crossroads, on concrete catch basin (support for iron grating) for underground drainage, on NE. edge of circular top; chiseled square-----	<i>Fcet</i> 689. 87
Seymour, 5.6 mi. S. thence 1.0 mi. E. from, 5.8 mi. S. thence 2.0 mi. W. from Bondville, near SE. cor. sec. 9, T. 18 N., R. 7 E., in NW. angle of crossroads, at concrete culvert running diagonally under crossroads, on NW. head wall, 2 ft. SW. of name plate; chiseled square ⁷⁹ -----	693. 29
Bondville, 5.8 mi. S. thence 1.0 mi. W. from, near SE. cor. sec. 10, T. 18 N., R. 7 E., 125 ft. W. of crossroads, on N. side of rd., in root on NE. side of 12-in. elm tree, fourth tree W. of fence corner; copper nail and washer-----	686. 48
Bondville, 5.8 mi. S. of, near NE. cor. sec. 14, T. 18 N., R. 7 E., 60 ft. S. and 280 ft. W. from crossroads, in E. part of yard of farmhouse, in root on E. side of 30-in. boxelder tree; copper nail and washer-----	697. 30
Bondville, 5.8 mi. S. thence 0.9 mi. E. from, 2.0 mi. S. thence 5.0 mi. W. from Savoy, 600 ft. W. of SE. cor. sec. 12, T. 18 N., R. 7 E., 600 ft. W. of crossroads, on E. end of N. head wall of concrete culvert under highway; chiseled square ⁸⁰ -----	690. 10

11. From point 2.4 miles north and 1 mile west from Sadorus north along road to crossroads 5.8 miles south of Bondville (by S. R. Archer in 1935)

[Continued from Tuscola quadrangle, line 5]

Sadorus, 3.1 mi. N. and 1.0 mi. W. from, 6.8 mi. S. of Bondville, near SW. cor. sec. 13, T. 18 N., R. 7 E., 58 ft. N. and 45 ft. E. from crossroads, in SW. corner of schoolyard, at steel center pole of playground swing, on SE. corner of concrete base; chiseled square--	688. 91
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12. From point 1.2 miles south of Centerville east along State Highway 10 to crossroads 2 miles west of Seymour, thence south along Champaign-Platt county-line road 5.6 miles (by S. R. Archer in 1936)

[Continued from Monticello quadrangle, line 8]

Alexander triangulation sta. (U. S. C. & G. S.), 1.2 mi. S. of Centerville, 0.2 mi. W. of center of sec. 14, T. 19 N., R. 6 E., at top of hill, on N. side of highway, in N.-S. fence line, 20 ft. N. of fence corner, in concrete post; U. S. C. & G. S. standard triangulation-station disk stamped "Alexander Triangulation Sta 1934"-----	759. 542
Centerville, 1.2 mi. S. and 0.4 mi. E. from, 3.6 mi. W. of Seymour, about 0.1 mi. W. of center of sec. 14, T. 19 N., R. 6 E., on N. side of highway, 420 ft. E. of top of hill, 500 ft. W. of hedge fence line N., 4.8 ft. S. and 30 ft. W. from concrete right-of-way post, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "746"-----	745. 524

⁷⁹ Established as a reference mark to standard iron post with bronze cap stamped "692," described in line 1.

⁸⁰ Established as a reference mark to standard iron post with bronze cap stamped "690," described in line 1.

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Seymour, 3.2 mi. W. of, about 700 ft. W. of E $\frac{1}{4}$ cor. sec. 14, T. 19 N., R. 6 E., 170 ft. E. of junction of State Highway 47, 35 ft. N. of center line of pavement, 40 ft. S. and 35 ft. W. from SW. corner of service sta., at jog in N. right-of-way line of highway, 3 ft. SW. of N. concrete right-of-way marker, 7.5 ft. N. and 2 ft. W. from S. concrete right-of-way marker, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "711"-----	<i>Feet</i> 710.820
Seymour, 2.2 mi. W. of, 0.18 mi. W. of E $\frac{1}{4}$ cor. sec. 13, T. 19 N., R. 6 E., 0.18 mi. W. of Champaign-Piatt county-line rd., on N. side of highway, 8 ft. E. of northernmost of two concrete right-of-way markers, 10 ft. E. of fence corner, 1 ft. S. of fence line, in concrete post; U. S. C. & G. S. and State Survey standard tablet stamped "701"-----	701.010
Seymour, 2.0 mi. W. of, at Champaign-Piatt county line, near W $\frac{1}{4}$ cor. sec. 18, T. 19 N., R. 7 E., 40 ft. N. and 190 ft. E. from crossroads, at N. right-of-way line of highway, 23 ft. N. and 50 ft. E. from E. end of N. head wall of concrete highway culvert, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "697"-----	697.100
Reference mark, 23 ft. S. and 50 ft. W. from tablet, 130 ft. E. of crossroads, on E. end of N. head wall of concrete culvert under highway; chiseled square-----	700.66
Seymour, 2.0 mi. W. thence 0.6 mi. S. from, near NW. cor. sec. 19, T. 19 N., R. 7 E., 60 ft. S. and 25 ft. E. from crossroads, 34 ft. S. of fence corner; standard iron post with bronze cap stamped "706" ⁸¹ -----	706.207
Seymour, 2.0 mi. W. thence 1.6 mi. S. from, near NW. cor. sec. 30, T. 19 N., R. 7 E., 175 ft. S. of junction of T-rd. W., at N. stone abutment of steel bridge over Camp Creek, on NE. end of NE. wing wall; chiseled square-----	683.20
Seymour, 2.0 mi. W. thence 2.6 mi. S. from, near SE. cor. sec. 25, T. 19 N., R. 6 E., 20 ft. N. and 28 ft. W. from junction of E-W. rd., 8 ft. W. of fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "692"-----	691.712
Seymour, 2.0 mi. W. thence 3.6 mi. S. from, near NE. cor. sec. 1, T. 18 N., R. 6 E., 1.5 mi. N. of Blue Mound, 48 ft. S. and 20 ft. W. from junction of T-rd. S., 28 ft. S. of fence corner; standard iron post with bronze cap stamped "708" ⁸² -----	708.202
13. From Champaign-Piatt county line at point 2 miles west of Seymour east along State Highway 10 to Seymour (by S. R. Archer in 1936; leveled twice).	
Seymour, 1.1 mi. W. of, near E $\frac{1}{4}$ cor. sec. 18, T. 19 N., R. 7 E., 360 ft. W. of crossroads, at concrete culvert under State highway, on E. end of N. head wall; chiseled square-----	697.73
Seymour, 0.7 mi. W. of, about 0.15 mi. N. and 0.2 mi. W. from center of sec. 17, T. 19 N., R. 7 E., at steel highway bridge over Camp Creek, on N. parapet of E. concrete abutment; chiseled square---	690.30

⁸¹ This bench mark replaces the standard iron post with bronze cap stamped "707," described in line 1.

⁸² This bench mark replaces the standard iron post with bronze cap stamped "708," described in line 1.

Seymour, 98 ft. N. and 115 ft. W. from Illinois Central R. R. sta., on W. side of main N.-S. street, 8 ft. S. and 13 ft. E. from SE. corner of residence, 23 ft. N. and 6 ft. E. from standard iron post, in W. edge of sidewalk; standard tablet stamped "697"-----	<i>Fcet</i> 696.875
Seymour, 0.25 mi. E. of I. C. R. R. sta., 14 ft. W. of private rd. crossing, 145 ft. W. of milepost C-10, 8.5 ft. N. of N. rail of track, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "702"-----	701.905

MAROA QUADRANGLE

[Latitude 40°00'–40°15'–; longitude 88°45'–89°00']

DE WITT AND MACON COUNTIES

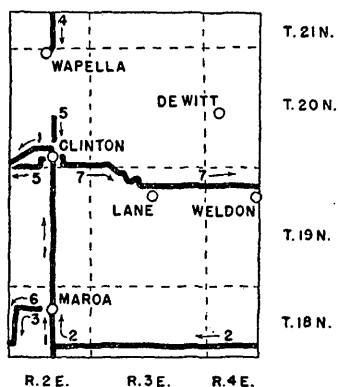


FIGURE 184.—Lines of leveling in Maroa quadrangle.

1. From point 1.4 miles north of Emery along Illinois Central Railroad north to Clinton, thence southwest about 2.5 miles (by P. E. Fletcher in 1908)

[Continued from Decatur quadrangle, line 1]

Emery, 3.1 mi. N. of, 1.0 mi. S. of Maroa, in SW $\frac{1}{4}$ sec. 11, T. 18 N., R. 2 E., 20 ft. N. of section line, 25 ft. W. of track, in concrete post; aluminum tablet-----	Feet 701.207
Maroa, 1.1 mi. N. of, 7.2 mi. S. of Clinton, near SW. cor. sec. 35, T. 19 N., R. 2 E., 20 ft. N. of Macon-De Witt county line, 25 ft. W. of track; P. B. M. (probably aluminum tablet in concrete post)----	705.814
Clinton, at S. entrance of De Witt County courthouse, in E. end of first stone step; aluminum tablet (recovered in 1934; also recovered by U. S. C. & G. S. in 1920 and designated "V 7") ⁸³ -----	745.596

[Continued in Kenney quadrangle, line 1]

2. From point 1.2 miles west of Cisco and 0.2 mile west of Macon-Piatt county line west along road 10.2 miles to intersection of Illinois Central Railroad, thence north along railroad to Maroa (by E. W. Gouchenour in 1929)

[Continued from Monticello quadrangle, line 4]

Cisco, 2.0 mi. W. of, near SE cor. sec. 17, T. 18 N., R. 4 E., 35 ft. N. and 40 ft. W. from crossroads, in fence corner, on top of largest of three boulders; chiseled square (recovered in 1936)-----	688.41
Cisco, 3.0 mi. W. of, at Rural Park School, near SE. cor. sec. 18, T. 18 N., R. 4 E., 36 ft. N. and 105 ft. W. from crossroads, in school-yard, 7 ft. W. of sidewalk, in root on SE. side of 30-in. maple tree; copper nail and washer-----	680.28

⁸³ In 1941 this bench mark was reported destroyed.

Cisco, 4.0 mi. W. of, 2.0 mi. N. and 1.0 mi. E. from Argenta, near SE. cor. sec. 13, T. 18 N., R. 3 E., at offset crossroads, 16 ft. N. and 100 ft. W. from junction of T-rd. W., in concrete post; standard tablet stamped "P T Sta No 43 Mac 1923"-----	<i>Fcet</i> 659. 101
Reference mark, 60 ft. E. of tablet, on W. end of N. wing wall of concrete culvert; chiseled square-----	658. 08
Argenta, 2.0 mi. N. and 0.2 mi. E. from, 0.25 mi. E. of NW. cor. sec. 24, T. 18 N., R. 3 E., 36 ft. S. and 33 ft. W. from crossroads, in NE. corner of schoolyard, in root on N. side of 40-in. maple tree; copper nail and washer-----	685. 97
Argenta, 2.0 mi. N. and 1.0 mi. W. from, near SE. cor. sec. 15, T. 18 N., R. 3 E., 20 ft. N. and 355 ft. W. from crossroads, in root on NE. side of twin locust tree; copper nail and washer-----	690. 21
Argenta, 2.0 mi. N. and 2.0 mi. W. from, 1.6 mi. S. thence 4.8 mi. E. from I. C. R. R. sta. at Maroa, near NE. cor. sec. 21, T. 18 N., R. 3 E., 25 ft. S. and 180 ft. W. from junction of lane N., 105 ft. NW. of NW. corner of schoolhouse, in concrete post; standard tablet stamped "P T Sta No 44 Mac 1923"-----	692. 803
Maroa, 1.6 mi. S. thence 4.3 mi. E. from, near S¼ cor. sec. 16, T. 18 N., R. 3 E., 50 ft. N. of junction of T-rd. S., in root on S. side of 20-in. walnut tree; copper nail and washer-----	701. 83
Maroa, 1.6 mi. S. thence 3.6 mi. E. from, 0.22 mi. W. of SE. cor. sec. 17, T. 18 N., R. 3 E., 1,160 ft. W. of junction of T-rd. N., 20 ft. N. of rd., in root on SE. side of cottonwood tree, nearest tree to farmhouse; copper nail and washer-----	695. 98
Maroa, 1.6 mi. S. thence 2.8 mi. E. from, at Prairie Chapel School, near NW. cor. sec. 20, T. 18 N., R. 3 E., 33 ft. S. and 45 ft. E. from crossroads, near NW. corner of schoolyard, in root on E. side of ash tree; copper nail and washer-----	704. 75
Maroa, 1.6 mi. S. thence 1.7 mi. E. from, near SE. cor. sec. 13, T. 18 N., R. 2 E., at offset crossroads, 20 ft. N. and 85 ft. W. from junction of T-rd. W., in concrete post; standard tablet stamped "P T Sta No 45 Mac 1923"-----	700. 649
Reference mark, 25 ft. S. and 75 ft. W. from junction of T-rd. W., in root on SE. side of cottonwood tree; copper nail and washer-----	700. 55
Maroa, 1.6 mi. S. thence 0.7 mi. E. from, at Harmony School, near SW. cor. sec. 13, T. 18 N., R. 2 E., 27 ft. N. and 120 ft. E. from crossroads, in schoolyard, in root on S. side of 24-in. maple tree; copper nail and washer-----	699. 64
Maroa, 1.6 mi. S. of sta., about 0.25 mi. W. of N¼ cor. sec. 23, T. 18 N., R. 2 E., 10 ft. S. and 260 ft. E. from intersection of I. C. R. R., on S. end of concrete culvert; chiseled square-----	692. 05
Maroa triangulation sta. (U. S. C. & G. S.), at Maroa, 30 yd. S. of sta. platform, 270 yd. N. of milepost 765, 4.4 ft. W. of W. rail of main track, 16.5 ft. S. of S. edge of sidewalk crossing, 6 in. underground, in concrete; U. S. C. & G. S. standard triangulation-station disk designated "Maroa"-----	720. 957
Maroa triangulation sta. reference mark (U. S. C. & G. S.), on opposite side of track from sta. in azimuth 231°17', in concrete sidewalk; U. S. C. & G. S. standard reference disk designated "R. M. Maroa" ⁸⁴ -----	721. 367

⁸⁴ In 1940 this bench mark was reported raised 0.085 ft. The figures given represent the new elevation.

3. From Maroa alternately west and south along roads to point 2 miles south and 2.2 miles west from Maroa (by E. W. Gouchenour in 1929)

Maroa, 1.0 mi. W. of, near NW. cor. sec. 10, T. 18 N., R. 2 E., 15 ft. S. and 35 ft. E. from junction of T-rd. S., on concrete and brick inlet to tile drain; chiseled square-----	<i>Feet</i> 704.35
Maroa, 1.8 mi. W. of, 1,100 ft. E. of SW. cor. sec. 4, T. 18 N., R. 2 E., 15 ft. N. of rd., on N. hub guard of concrete bridge over creek; chiseled square (recovered in 1930)-----	692.67
Maroa, 2.0 mi W. of, near SE. cor. sec. 5, T. 18 N., R. 2 E., 25 ft. N. and 30 ft. W. from crossroads, in SE. corner of yard, in root on S. side of 15-in. pine tree; copper nail and washer-----	724.20
Maroa, 2.0 mi. W. thence 1.0 mi. S. from, near NW. cor. sec. 16, T. 18 N., R. 2 E., 45 ft. S. and 30 ft. E. from crossroads, in concrete post; standard tablet stamped "P T Sta No 1 F 1925" (recovered in 1930)-----	707.156
Reference mark, 60 ft. NW. of tablet, 20 ft. S. and 20 ft. W. from crossroads, in root on E. side of large maple tree; copper nail and washer (recovered in 1930)-----	707.33
Maroa, 2.0 mi. W. thence 2.0 mi. S. from, near SE. cor. sec. 17, T. 18 N., R. 2 E., 20 ft. N. and 12 ft. W. from crossroads, on W. end of steel culvert; chiseled mark-----	707.01

[Continued in Kenney quadrangle, line 3]

4. Generally south 2.5 miles along road to Wapella (by L. V. Johnson in 1930)

[Continued from Le Roy quadrangle, line 5]

Wapella, 1.2 mi. N. of, about 0.25 mi. N. of quarter corner between secs. 34 and 35, T. 21 N., R. 2 E., 0.2 mi. S. of junction of T-rd. E., 15 ft. S. and 20 ft. W. from center of bridge over drain, 7 ft. S. of fence corner, on concrete base of brace of post; chiseled square--	737.86
Wapella, in NW. part of, near SE. cor. sec. 34, T. 21 N., R. 2 E., 25 ft. N. and 27 ft. W. from junction of E.-W. rd., 2 ft. NE. of high-power-line pole, on SE. end of sidewalk; chiseled square-----	746.73
Wapella triangulation sta. (U. S. C. & G. S.), at Wapella, on E. side of Illinois Central R. R. track, at S. end of sta. platform, 6.46 ft. E. of E. rail, 2.62 ft. S. of N. edge of concrete sidewalk, in concrete walk; U. S. C. & G. S. standard triangulation-station disk designated "Wapella" ⁸⁵ -----	747.669
Wapella triangulation sta. reference mark (U. S. C. & G. S.), 56.69 ft. from sta., in R. R. sta. lawn, in concrete post; U. S. C. & G. S. standard reference disk designated "R. M. Wapella"-----	748.509

5. From point about 2 miles north of De Witt County courthouse at Clinton south along Illinois Terminal Railroad to Clinton, thence alternately west and south along roads 2.6 miles (by M. W. Clark in 1930)

Harras triangulation sta. (U. S. C. & G. S.), about 2 mi. N. of Clinton, about 0.4 mi. S. of Harris Crossing, 5.25 ft. E. of E. rail, in concrete post; U. S. C. & G. S. standard triangulation disk designated "Harras"-----	739.726
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⁸⁵ This bench mark was raised 0.056 ft. by frost. The figures given represent the new elevation.

Harras triangulation sta. reference mark (U. S. C. & G. S.), 94.62 ft. from sta., on opposite side of track, near fence line, in concrete post; U. S. C. & G. S. standard reference disk designated "R. M. Harras"-----	<i>Feet</i> 739. 726
Clinton, in front of jail and sheriff's home, 15 ft. W. of R. R., on top near center of large concrete foundation; chiseled square-----	735. 47
Clinton, at Clinton State Bank, on N. end of lower concrete step; chiseled square-----	743. 04
Clinton, 0.5 mi. W. thence 0.5 mi. S. from, near S $\frac{1}{4}$ cor. sec. 34, T. 20 N., R. 2 E., 21 ft. N. and 60 ft. W. from hard rd., on top of N. shoulder of concrete culvert; chiseled square-----	696. 00
Clinton, 0.5 mi. S. and 1.3 mi. W. from, about 0.25 mi. W. of NE. cor. sec. 4, T. 19 N., R. 2 E., 18 ft. S. and 190 ft. W. from junction of T-rd. S., in root on N. side of 18-in. elm tree; copper nail and washer-----	720. 70
Clinton, 0.5 mi. S. and 1.8 mi. W. from, about 0.25 mi. E. of SW. cor. sec. 33, T. 20 N., R. 2 E., 33 ft. N. and 15 ft. E. from junction of T-rd. N., on N. end of concrete culvert; chiseled square-----	727. 60

[Continued in Kenney quadrangle, line 4]

6. From Maroa along roads alternately west and south to point 2 miles south and 2.2 miles west from Maroa (by M. W. Clark in 1930)

Maroa, at intersection of Main and North Walnut Streets, on top of concrete block supporting flag pole; chiseled square-----	733. 26
Maroa, 1.2 mi. W. of, about 800 ft. W. of SE. cor. sec. 4, T. 18 N., R. 2 E., on top of N. head wall of large concrete culvert; chiseled square-----	696. 07
Maroa, 1.8 mi. S. and 2.0 mi. W. from, 0.25 mi. N. of SE. cor. sec. 17, T. 18 N., R. 2 E., on W. side of rd., inside fence, in root on E. side of 36-in. maple tree; copper nail and washer-----	711. 68

[Continued in Kenney quadrangle, line 6]

7. From Clinton alternately east and south along roads to point 0.5 mile north and 0.5 mile west from Lane, thence east along State Highway 10 to point about 0.5 mile north of Weldon (by O. T. Dobyns in 1934; releveled by S. R. Archer in 1936)

Clinton, in SE. part of, in NE. angle of intersection of State Highway 10 and South Madison Street, at catch basin opening in gutter, on top of concrete curb; chiseled square-----	717. 90
Clinton, in SE. part of, 340 ft. E. of State highway subway under Illinois Central R. R., at concrete highway bridge, on top of N. parapet of W. abutment; chiseled square-----	711. 52
Clinton, 0.5 mi. S. and 0.5 mi. E. from, about 0.1 mi. W. of center of sec. 35, T. 20 N., R. 2 E., in NW. angle of crossroads, at concrete culvert under rd. W., on top of W. end of N. head wall; chiseled square-----	721. 90
Clinton, 1.0 mi. S. and 0.8 mi. E. from, 0.25 mi. W. of SE. cor. sec. 35, T. 20 N., R. 2 E., 0.25 mi. W. of crossroads, on N. side of highway, at fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "725"-----	724. 527
Clinton, 1.0 mi. S. and 1.0 mi. E. from, near SE. cor. sec. 35, T. 20 N., R. 2 E., 100 ft. W. of crossroads, on N. side of highway, at right-of-way line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "726"-----	726. 121

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Clinton, 1.0 mi. S. and 1.5 mi. E. from, near N $\frac{1}{4}$ cor. sec. 1, T. 19 N., R. 2 E., on S. side of highway, at concrete culvert under driveway to farmhouse of A. B. Sprague, on top of W. head wall; chiseled square-----	<i>Fcet</i> 734. 28
Lutterel triangulation sta. (U. S. C. & G. S.), 1.0 mi. S. and 2.0 mi. E. from Clinton, near N. cor. secs. 1 and 6, T. 19 N., Rs. 2 and 3 E., at fence on S. side of highway, 18 ft. E. of fence corner, in concrete post; U. S. C. & G. S. standard triangulation-station disk stamped "Triangulation Sta Lutterel 1934" (elevation determined in 1936)---	765. 840
Clinton, 1.0 mi. S. and 2.2 mi. E. from, 0.25 mi. W. of S $\frac{1}{4}$ cor. sec. 31, T. 20 N., R. 3 E., in NE. angle of crossroads, at concrete culvert under rd. N., on top of N. end of E. head wall; chiseled square (established in 1936)-----	758. 55
Clinton, 3.8 mi. SE. of, about 580 ft. W. of E. cor. secs. 6 and 31, Tps. 19 and 20 N., R. 3 E., 110 ft. E. of junction of private rds. N. and S., near SE. end of curve in highway, 35 ft. N. of center line of pavement, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "746"-----	745. 505
Clinton, 4.1 mi. SE. of, in NW $\frac{1}{4}$ sec. 5, T. 19 N., R. 3 E., 920 ft. SE. of intersection of highway and line between secs. 5 and 6, at NE. right-of-way fence, 135 ft. NE. of jog, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "724"-----	724. 254
Clinton, 4.7 mi. SE. of, about 0.25 mi. E. of center of sec. 5, T. 19 N., R. 3 E., at E. end of bridge over Salt Creek, at foot of E. end of N. side wall, on top of concrete wheel guard; chiseled square----	668. 40
Clinton, 5.2 mi. SE. of, near center of SW $\frac{1}{4}$ sec. 4, T. 19 N., R. 3 E., 60 ft. N. of crossroads, on W. side of private rd. N., on top of W. head wall of concrete culvert; chiseled square (established in 1936)	718. 82
Clinton, 5.9 mi. SE. of, 0.5 mi. N. thence 0.5 mi. W. from Lane, 0.25 mi. W. of SE. cor. sec. 4, T. 19 N., R. 3 E., 120 ft. E. of rd. N., at fence line on N. side of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "723"-----	722. 985
Lane, 0.5 mi. N. thence 0.2 mi. W. from, near S. cor. secs. 3 and 4, T. 19 N., R. 3 E., 155 ft. E. of rd. N., at fence line on N. side of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "731"-----	730. 792
Lane, 0.5 mi. N. thence 0.3 mi. E. from, near N $\frac{1}{4}$ cor. sec. 10, T. 19 N., R. 3 E., 0.25 mi. E. of junction of T-rd. S. to Lane, on S. side of highway, at concrete culvert under driveway to field, on top of E. head wall; chiseled square-----	722. 77
Lane, 0.5 mi. N. thence 1.5 mi. E. from, 0.25 mi. W. of SE. cor. sec. 2, T. 19 N., R. 3 E., 115 ft. E. of junction of T-rd. N., at fence line on N. side of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "727"-----	727. 460
Lane, 0.5 mi. N. thence 1.8 mi. E. from, 0.5 mi. N. and 3.7 mi. W. from Weldon, near SW. cor. sec. 1, T. 19 N., R. 3 E., 115 ft. E. of crossroads, at fence line on N. side of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "728"---	728. 457
Weldon, 0.5 mi. N. and 3.2 mi. W. from, 300 ft. E. of S $\frac{1}{4}$ cor. sec. 1, T. 19 N., R. 3 E., on top of W. end of N. head wall of concrete highway culvert 49.23; chiseled square-----	721. 88

Weldon, 0.5 mi. N. and 2.7 mi. W. from, 400 ft. E. of NW. cor. sec. 7, T. 19 N., R. 4 E., on top of W. end of S. head wall of concrete highway culvert; chiseled square-----	<i>Feet</i> 722.36
Weldon, 0.5 mi. N. and 2.3 mi. W. from, 315 ft. W. of N $\frac{1}{4}$ cor. sec. 7, T. 19 N., R. 4 E., on top of W. end of S. head wall of concrete highway culvert 50.16; chiseled square-----	721.00
Weldon, 0.5 mi. N. and 1.8 mi. W. from, 635 ft. W. of SE. cor. sec. 6, T. 19 N., R. 4 E., 635 ft. W. of crossroads, on N. side of highway, 65 ft. W. of fence line N. to W. side of barn, 1.5 ft. S. of fence, in concrete post; U. S. C. & G. S. and State Survey standard tablet stamped "726"-----	725.658
Weldon, 0.5 mi. N. and 1.6 mi. W. from, 440 ft. E. of SW. cor. sec. 5, T. 19 N., R. 4 E., 440 ft. E. of crossroads, on N. side of highway, 1 ft. S. of fence line, 3 ft. N. and 7.5 ft. E. from small elm tree, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "720"-----	720.189
Weldon, 0.5 mi. N. and 0.7 mi. W. from, near SE. cor. sec. 5, T. 19 N., R. 4 E., in NW. angle of junction of T-rd. N., on top of W. head wall of concrete culvert under rd. N.; chiseled square (established in 1936) -----	714.20
Weldon, 0.5 mi. N. and 0.6 mi. W. from, 600 ft. E. of NW. cor. sec. 9, T. 19 N., R. 4 E., 600 ft. E. of junction of T-rd. N., on top of S. head wall of concrete culvert 51.87; chiseled square-----	713.91
Weldon, 0.5 mi. N. of, 0.28 mi. W. of SE. cor. sec. 4, T. 19 N., R. 4 E., 190 ft. W. of sixteenth corner, 0.28 mi. W. of intersection of State Highways 48 and 10, 240 ft. W. of W. end of residence on N. side of highway, 3 ft. S. and 5 ft. E. from fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "716"---	716.259

[Continued in Monticello quadrangle, line 5]

MARSHALL QUADRANGLE

[Latitude 39°15'–39°30'; longitude 87°30'–87°45']

CLARK AND EDGAR COUNTIES

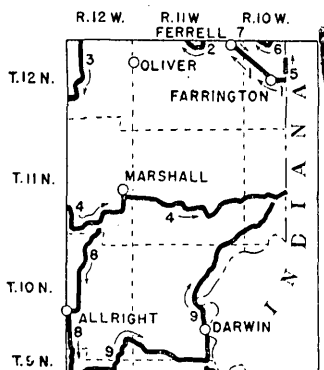


FIGURE 185.—Lines of leveling in Marshall quadrangle.

1. From Illinois-Indiana State line northwest along Pennsylvania Railroad (by C. H. Semper in 1907; first-order leveling)

[Continued from Indiana]

Farrington, 1.8 mi. NW. of, 1.0 mi. SE. of Ferrell, 0.24 mi. SW. of milepost "T H 10," E. of track, in top of R. R. culvert; aluminum tablet stamped "580" (recovered by U. S. C. & G. S. in 1935)-----

Feet
578.860

[Continued in Paris quadrangle, line 1]

2. From point 0.3 mile north and 1.6 miles west from Ferrell south, west, and northwest along roads to point 0.3 mile north and 2.4 miles west from Ferrell (by S. R. Archer in 1931)

[A jog from Paris quadrangle, line 2]

Ferrell, 0.1 mi. S. and 1.6 mi. W. from, at Salem School, near center of SE¼ sec. 10, T. 12 N., R. 11 W., in NW. angle of T-junction of E.-W. rd., in front of schoolhouse, on top of S. end of lower step of concrete steps and porch; chiseled square-----

595.30

Ferrell, 0.3 mi. N. and 2.4 mi. W. from, about 0.1 mi. N. of quarter corner between secs. 9 and 10, T. 12 N., R. 11 W., 130 ft. N. of house on W. side of rd., 60 ft. S. of E.-W. fence line, on top of N. end of W. head wall of concrete culvert; chiseled square-----

603.98

[Continued in Paris quadrangle, line 2]

3. From point 1.1 miles north and 3 miles west from Oliver south and west along roads to point 4.6 miles north and 2.9 miles west from Marshall (by S. R. Archer in 1931)

[Continued from Paris quadrangle, line 2]

Oliver, 0.7 mi. N. and 3.0 mi. W. from, near W¼ cor. sec. 15, T. 12 N., R. 12 W., on E. side of rd., in yard of old, abandoned house, in root on NW. side of 30-in. maple tree; copper nail and washer-----

638.95

Oliver, 0.1 mi. N. and 3.0 mi. W. from, 225 ft. S. of NW. cor. sec. 22, T. 12 N., R. 12 W., 225 ft. S. of Clark-Edgar county line, on E. side of rd., in root on SW. side of 12-in. oak tree; copper nail and washer-----	<i>Feet</i> 640.17
Oliver, 0.4 mi. S. and 3.0 mi. W. from, near quarter corner between secs. 21 and 22, T. 12 N., R. 12 W., 40 ft. S. of junction of T-rd. W., on W. side of rd., 15 ft. W. of fence corner, in N. side at foot of trunk of 12-in. oak tree; copper nail and washer-----	631.12
Oliver, 1.0 mi. S. and 2.8 mi. W. from, 5.5 mi. N. and 2.0 mi. W. from Marshall, in NW $\frac{1}{4}$ sec. 27, T. 12 N., R. 12 W., 20 ft. S. and 20 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 104 F 1929"-----	630.309
Reference mark, 110 ft. W. of crossroads, on S. side of rd., in fence line, in root on S. side of 14-in. walnut tree; copper nail and washer--	631.46
West Fork of Big Creek, at ford; surface of water Sept. 5, 1931-----	549.6
Marshall, 4.8 mi. N. and 2.4 mi. W. from, near center of SE $\frac{1}{4}$ sec. 28, T. 12 N., R. 12 W., 0.18 mi. N. of crossroads, on W. side of rd., 250 ft. N. of house on E. side of rd., near top of hill, at fence line, in E. side of 24-in. oak tree; copper nail and washer-----	617.75
[Continued in Casey quadrangle, line 1]	
4. From point 3.2 miles southwest of Marshall northeast 0.1 mile along U. S. Highway 40, thence along roads south, east, and north to Marshall, thence generally east to point on Illinois-Indiana State line 1.2 miles east of Kendall School (by S. R. Archer in 1931)	
[Continued from Casey quadrangle, line 1]	
Marshall, 3.1 mi. along U. S. Highway 40 SW. of, near center of SW $\frac{1}{4}$ sec. 28, T. 11 N., R. 12 W., in SE. angle of junction of rd. S., on top of S. end of E. head wall of concrete culvert; chiseled square-----	605.75
Marshall, 1.8 mi. S. and 2.7 mi. W. from, 0.06 mi. N. and 0.25 mi. W. from center of sec. 33, T. 11 N., R. 12 W., 55 ft. NW. of junction of T-rd. W., on N. side of rd., at fence line, in root on SE. side of 18-in. elm tree; copper nail and washer-----	537.85
Marshall, 2.1 mi. S. and 2.7 mi. W. from, near center of SW $\frac{1}{4}$ sec. 33, T. 11 N., R. 12 W., in NW. corner of right angle in rd. and junction of field rd. W., near 18-in. hickory tree, in root 3 ft. from trunk on N. side of 24-in. oak tree; copper nail and washer--	514.78
Marshall, 2.1 mi. S. and 2.5 mi. W. from, about 0.25 mi. S. of center of sec. 33, T. 11 N., R. 12 W., at bridge over Mill Creek, on top of N. parapet of E. concrete abutment; chiseled square-----	517.10
Marshall, 1.9 mi. S. and 2.0 mi. W. from, about 0.1 mi. S. of W $\frac{1}{4}$ cor. sec. 34, T. 11 N., R. 12 W., on S. side of rd., on E. side of section-line fence, in base of trunk on S. side of 10-in. hickory tree; copper nail and washer-----	595.15
Marshall, 1.8 mi. S. and 1.3 mi. W. from, 0.25 mi. E. of center of sec. 34, T. 11 N., R. 12 W., 25 ft. S. and 20 ft. W. from junction of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 107 F 1929"-----	603.920
Reference mark, 320 ft. E. of tablet, 20 ft. N. and 35 ft. E. from rd. junction, 10 ft. E. of fence corner, in root on NW. side of 14-in. oak tree; copper nail and washer-----	606.35
Marshall, 1.2 mi. S. thence 1.1 mi. W. from, near S. cor. secs. 26 and 27, T. 11 N., R. 12 W., 20 ft. E. of junction of T-rd. E., in root on S. side of 36-in. oak tree; copper nail and washer-----	627.52

Marshall, 1.2 mi. S. of, 0.25 mi. N. of center of sec. 25, T. 11 N., R. 12 W., 40 ft. N. and 20 ft. E. from junction of State Highway 1, on top of N. head wall of concrete culvert under driveway; chiseled square-----	<i>Feet</i> 649. 83
Marshall, 0.5 mi. S. of courthouse, at SE. corner of intersection of Vine and Sixth Streets, on curved section of concrete curb, near E. end; chiseled square-----	628. 37
Marshall, at E. corner of Clark County courthouse yard, inside sidewalks, in concrete post; standard tablet stamped "15 A 1931" (recovered by U. S. C. & G. S. in 1935)-----	641. 370
Marshall, 0.5 mi. S. thence 0.5 mi. E. from, near W ¹ / ₄ cor. sec. 19, T. 11 N., R. 11 W., at Cleveland, Cincinnati, Chicago & St. Louis Ry. bridge over rd., 5 ft. above rd., at foot of E. wing wall of S. abutment, on top of step; chiseled square-----	593. 17
Marshall, 0.5 mi. S. thence 1.5 mi. E. from, near W ¹ / ₄ cor. sec. 20, T. 11 N., R. 11 W., 20 ft. S. and 40 ft. E. from junction of rd. E., in concrete post; standard tablet stamped "T T Sta No 109 F 1929"-----	582. 325
Reference mark, 130 ft. E. of tablet, 170 ft. E. of rd. junction, on S. side of rd., at fence line, in root on N. side of 12-in hickory tree; copper nail and washer-----	581. 94
Marshall, 0.5 mi. S. thence 2.8 mi. E. from, in SW ¹ / ₄ sec. 21, T. 11 N., R. 11 W., 35 ft. SW. and 15 ft. SE. from junction of T-rd. NW., in root on N. side of 24-in. maple tree; copper nail and washer-----	565. 33
Marshall, 0.5 mi. S. thence 3.9 mi. E. from, about 500 ft. S. of NE. cor. sec. 28, T. 11 N., R. 11 W., 30 ft. S. and 35 ft. W. from angle in rd., 90 ft. W. of N-S. section line, in root on N. side of 20-in. maple tree; copper nail and washer-----	555. 86
Marshall, 0.5 mi. S. thence 4.2 mi. E. from, 0.2 mi. W. of Taylor Ford across Big Creek, about 0.15 mi. W. of N ¹ / ₄ cor. sec. 27, T. 11 N., R. 11 W., on top of S. head wall of concrete culvert; chiseled square-----	485. 14
Taylor Ford across Big Creek; surface of water Sept. 12, 1931-----	461. 6
Marshall, 0.5 mi. S. thence 4.7 mi. E. from, 0.3 mi. E. of Taylor Ford, about 0.15 mi. W. of E. cor. secs. 22 and 27, T. 11 N., R. 11 W., 15 ft. N. and 33 ft. W. from junction of N-S. rd., in concrete post; standard tablet stamped "T T Sta No 110 F 1929"-----	471. 162
Reference mark, 45 ft. S. and 35 ft. W. from rd. junction, in N. side of 15-in. ash tree; copper nail and washer-----	471. 13
Marshall, 0.5 mi. S. thence 5.4 mi. SE. from, 1.0 mi. SW. of Fishbach School, about 500 ft. E. of W ¹ / ₄ cor. sec. 26, T. 11 N., R. 11 W., in SW. corner of rd. junction, at fence corner, in root on E. side of 30-in. ash tree; copper nail and washer-----	544. 84
Fishbach School, in SE ¹ / ₄ sec. 23, T. 11 N., R. 11 W., 180 ft. E. of crossroads, on N. side of rd., in root on S. side of 30-in. oak tree; copper nail and washer-----	546. 23
Fishbach School, 0.8 mi. NE. of, about 0.15 mi. S. of center of sec. 24, T. 11 N., R. 11 W., 80 ft. W. of crossroads, on S. side of rd., in front of farmhouse, in root on N. side of 15-in. hickory tree; copper nail and washer-----	547. 91
Ashmore Creek, at wagon ford; surface of water Sept. 14, 1931-----	475. 2

Fishbach School, 1.7 mi. NE. of, 1.0 mi. W. of Kendall School, 0.25 mi. E. of W $\frac{1}{4}$ cor. sec. 19, T. 11 N., R. 10 W., 20 ft. S. and 35 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 111 F 1929"-----	<i>Feet</i> 546.374
Reference mark, in NE. corner of crossroads, on top of E. head wall of concrete culvert; chiseled square-----	547.55
Kendall School, about 0.25 mi. W. of center of sec. 20, T. 11 N., R. 10 W., on S. side of rd., in front of schoolhouse, on top of NE. corner of concrete porch floor; chiseled square-----	545.35
Kendall School, 0.5 mi. E. of, about 0.15 mi. SE. of center of sec. 20, T. 11 N., R. 10 W., 230 ft. NW. of crossroads, in field, about midway between rds. N. and W., in root on SW. side of 24-in. walnut tree; copper nail and washer-----	466.74
Kendall School, 1.2 mi. E. of, 0.2 mi. N. and 0.3 mi. W. from center of sec. 21, T. 11 N., R. 10 W., 15 ft. E. of Illinois-Indiana State line, on N. side of Terre Haute-Darwin rd.; standard iron post with bronze cap stamped "Prim Trav Sta No 20 1906"-----	475.514

[Continued in Indiana]

5. From point 0.2 mile south and 0.7 mile east from Farrington north 1.4 miles along Illinois-Indiana State line (by S. R. Archer in 1931)

[Continued from Indiana]

Farrington, 0.2 mi. S. thence 0.7 mi. E. from, near center of SW $\frac{1}{4}$ sec. 21, T. 12 N., R. 10 W., 250 ft. E. of crossroads and Illinois-Indiana State line, on top of E. end of S. head wall of concrete culvert; chiseled square-----	572.49
Farrington, 0.7 mi. E. of, about 0.25 mi. W. of center of sec. 21, T. 12 N., R. 10 W., 45 ft. E. of crossing of Pennsylvania R. R., on top of W. end of N. head wall of concrete culvert under R. R.; chiseled square-----	540.20
Farrington, 0.5 mi. N. and 0.7 mi. E. from, 0.25 mi. E. of NW. cor. sec. 21, T. 12 N., R. 10 W., 75 ft. S. of T-rd. W., on W. side of rd., in root on NE. side of 30-in. oak tree; copper nail and washer-----	542.75
Farrington, 1.2 mi. N. and 0.7 mi. E. from, about 0.1 mi. S. of center of NW $\frac{1}{4}$ sec. 16, T. 12 N., R. 10 W., 50 ft. E. of crossroads, on top of S. end of S. wing wall of E. abutment of concrete bridge; chiseled square-----	510.39

[Continued in Indiana]

6. From point 0.3 mile north and 2 miles east from Ferrell southwest and northwest along roads in sec. 8, T. 12 N., R. 10 W. (by S. R. Archer in 1931)

[A jog from Paris quadrangle, line 3]

T. 12 N., R. 10 W., about 0.15 mi. SW. of center of sec. 8, 260 ft. N. of rd. junction, on top of E. head wall of concrete culvert; chiseled square-----	544.67
T. 12 N., R. 10 W., near quarter corner between secs. 7 and 8, 390 ft. E. of T-junction of N.-S. rd., 5 ft. NW. of NW. corner of bridge over Sugar Creek, on N. wing wall of W. abutment; chiseled square-----	529.92

[Continued in Paris quadrangle, line 3]

1098 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

7. From point 0.4 mile north of Ferrell south along road to Ferrell, thence southeast along road and Pennsylvania Railroad to point 1.8 miles northwest of Farrington (by S. R. Archer in 1931)

[Connects with line 3 in Paris quadrangle]

Ferrell, 0.2 mi. SE. of, about 0.25 mi. S. of center of sec. 12, T. 12 N., R. 11 W., 55 ft. E. of intersection of Pennsylvania R. R., on N. side of track, at SW. corner of yard of residence, in root on SW. side of 18-in. maple tree; copper nail and washer-----	Feet 597. 61
Ferrell, 0.5 mi. SE. of, 2.3 mi. NW. of Farrington, 0.25 mi. E. of quarter corner between secs. 12 and 13, T. 12 N., R. 11 W., 100 ft. W. of rd. crossing, 25 ft. E. of junction of T-rd. S., on N. side of rd., in root on E. side of 40-in. oak tree; copper nail and washer (recovered by U. S. C. & G. S. in 1935)-----	596. 055

8. From point 1.8 miles south and 1.3 miles west from Marshall generally southwest along roads to point 3.2 miles south of Allright (by S. R. Archer in 1931)

Marshall, 2.8 mi. S. and 1.8 mi. W. from, 0.5 mi. E. thence 3.7 mi. NE. from Allright, about 0.3 mi. W. of center of sec. 3, T. 10 N., R. 12 W., 280 ft. NE. of Siverly School, 150 ft. NE. of junction of T-rd. NW., on top of S. end of head wall of concrete culvert; chiseled square-----	588. 13
Allright, 0.5 mi. E. thence 2.7 mi. NE. from, near E $\frac{1}{4}$ cor. sec. 9, T. 10 N., R. 12 W., in SW. corner of junction of rd. NW., on top of S. head wall of concrete culvert; chiseled square-----	506. 74
Allright, 0.5 mi. E. thence 2.4 mi. NE. from, in SE $\frac{1}{4}$ sec. 9, T. 10 N., R. 12 W., at NE. end of NE. approach of bridge over Mill Creek, on top of SE. end of NE. concrete abutment; chiseled square----	504. 22
Allright, 0.5 mi. E. thence 1.8 mi. N. from, about 0.13 mi. W. of center of NE $\frac{1}{4}$ sec. 16, T. 10 N., R. 12 W., 45 ft. N. of junction of T-rd. W., on top of E. head wall of concrete culvert; chiseled square-----	573. 71
Allright, 0.5 mi. E. thence 1.5 mi. N. from, near Kile School, near center of sec. 16, T. 10 N., R. 12 W., 30 ft. S. and 27 ft. E. from junction of T-rd. E., in concrete post; standard tablet stamped "T T Sta No 108 F 1929"-----	577. 459
Allright, 0.5 mi. E. thence 1.0 mi. N. from, near N $\frac{1}{4}$ cor. sec. 21, T. 10 N., R. 12 W., 200 ft. S. of crossroads, 30 ft. N. and 60 ft. W. from N. end of bridge over Hurricane Creek, on N. bank of creek, in root on N. side of 30-in. sycamore tree; copper nail and washer--	496. 64
Allright, 0.5 mi. E. thence 0.5 mi. N. from, about 0.12 mi. SE. of center of sec. 21, T. 10 N., R. 12 W., 100 ft. NE. of junction of rd. E., in SW. corner of triangle between rds., on E. side of main N-S. rd., in root on W. side of 24-in. oak tree; copper nail and washer-----	575. 59
Allright, 0.5 mi. E. of, near quarter corner between secs. 21 and 28, T. 10 N., R. 12 W., just W. of right-angle turn in rd.; top of N. head wall of concrete culvert-----	576. 32
Allright, near SE. cor. sec. 20, T. 10 N., R. 12 W., 35 ft. N. and 20 ft. W. from junction of rd. S., in front of church, on top of SE. corner of concrete step; chiseled square-----	585. 85
Allright, 1.0 mi. S. of, near NW. cor. sec. 28, T. 10 N., R. 12 W., in SE. corner of crossroads, on top of N. end of E. head wall of concrete culvert; chiseled square-----	577. 74

Allright, 1.5 mi. S. of, near quarter corner between secs. 32 and 33, T. 10 N., R. 12 W., 15 ft. N. of junction of T-rd. E., on top of E. head wall of concrete culvert; chiseled square-----	<i>Feet</i> 575.03
Allright, 1.8 mi. S. of, 0.25 mi. S. of E $\frac{1}{4}$ cor. sec. 32, T. 10 N., R. 12 W., in SW. corner of junction of T-rd. W.; standard iron post with bronze cap stamped "Prim Trav Sta No 39 1919" (recovered in 1932)-----	574.435
Reference mark, 90 ft. S. of rd. junction, on W. side of rd., in root on E. side of 30-in. oak tree; copper nail and washer (recovered in 1932)-----	572.81
Allright, 2.3 mi. S. of, in NW $\frac{1}{4}$ sec. 4, T. 9 N., R. 12 W., at concrete bridge over Joes Fork of Mill Creek, on top of E. parapet of S. abutment; chiseled square-----	508.70
Allright, 3.0 mi. S. of, near SW. cor. sec. 4, T. 9 N., R. 12 W., 275 ft. N. of junction of T-rd. W., on E. side of rd., in root on S. side of 12-in. elm tree; copper nail and washer-----	590.56
[Continued in Merom quadrangle, line 5]	
9. From point 3.2 miles south and 0.7 mile east from Allright along roads northeast and southeast to crossroads 1.8 miles south of Darwin, thence north and northeast to road junction 0.5 mile east of Kendall School (by S. R. Archer in 1931)	
[Continued from Merom quadrangle, line 5]	
Allright, 3.1 mi. S. and 1.6 mi. E. from, 0.9 mi. W. of Ohio School, 0.14 mi. E. of W $\frac{1}{4}$ cor. sec. 2, T. 9 N., R. 12 W., about 600 ft. W. of crossroads, on N. side of rd., 120 ft. W. of residence, 5 ft. E. of and directly S. in line with E. side of barn, in root on W. side of 18-in. oak tree; copper nail and washer-----	570.03
Ohio School, 150 ft. SE. of, near E $\frac{1}{4}$ cor. sec. 2, T. 9 N., R. 12 W., in SW. angle of crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 38 1919"-----	544.405
Reference mark, in NE. corner of crossroads, on top of concrete head wall of culvert; chiseled square-----	545.29
Ohio School, 0.8 mi. NE. of, 0.25 mi. N. and 0.15 mi. E. from SW. cor. sec. 36, T. 10 N., R. 12 W., 40 ft. N. of junction of rd. W., on top of W. head wall of concrete culvert; chiseled square-----	522.10
Ohio School, 1.1 mi. NE. of, about 0.15 mi. W. of center of sec. 36, T. 10 N., R. 12 W., at bridge over Mill Creek, on top of N. end of W. concrete wing wall of N. abutment; chiseled square-----	479.71
Ohio School, 1.9 mi. NE. of, 1.8 mi. S. thence 4.8 mi. NW. from Darwin, about 0.12 mi. W. of center of SE $\frac{1}{4}$ sec. 25, T. 10 N., R. 12 W., 60 ft. SE. of junction of T-rd. SE., on S. side of rd., in root on N. side of 12-in. oak tree; copper nail and washer-----	545.35
Darwin, 1.8 mi. S. thence 4.1 mi. NW. from, about 0.13 mi. N. of center of NW $\frac{1}{4}$ sec. 31, T. 10 N., R. 11 W., 30 ft. E. of angle in rd. and fence line S., 500 ft. W. of angle SE. in rd., on top of S. head wall of concrete culvert; chiseled square-----	529.50
Darwin, 1.8 mi. S. thence 3.2 mi. NW. from, 1.0 mi. S. of Snyder, near E $\frac{1}{4}$ cor. sec. 31, T. 10 N., R. 11 W., 25 ft. N. and 80 ft. W. from crossroads, 4 ft. N. of fence corner, 1 ft. E. of fence line, in concrete post; standard tablet stamped "17 A 1931"-----	520.174
Reference mark, 60 ft. W. of crossroads, on S. side of rd., in root on N. side of 30-in. oak tree; copper nail and washer-----	518.19
Darwin, 1.8 mi. S. thence 2.5 mi. NW. from, about 0.16 mi. E. of center of sec. 32, T. 10 N., R. 11 W., 240 ft. SE. of angle SE. in rd., on top of SE. end of NE. head wall of concrete culvert; chiseled square-----	510.18*

Darwin, 1.8 mi. S. thence 1.5 mi. W. from, near N $\frac{1}{4}$ cor. sec. 4, T. 9 N., R. 11 W., 110 ft. S. and 72 ft. W. from angle in rd., 80 ft. S. and 5 ft. W. from stone marking quarter corner, on W. side of N.-S. fence, in yard of cottage, in root on NE. side of 60-in. elm tree; copper nail and washer-----	<i>Feet</i> 456. 82
Darwin, 1.8 mi. S. thence 1.0 mi. W. from, near SW. cor. sec. 34, T. 10 N., R. 11 W., 100 ft. E. of crossroads, on N. side of rd., in root on S. side of 15-in. hackberry tree; copper nail and washer-----	463. 51
Darwin, 1.8 mi. S. of, 0.2 mi. W. of Bohn Ferry across Wabash River, near N. cor. secs. 2 and 3, T. 9 N., R. 11 W., 30 ft. S. of crossroads, 1 ft. W. of fence along E. side of rd., in concrete post; standard tablet stamped "18 A 1931"-----	453. 841
Reference mark, 55 ft. N. and 30 ft. W. from crossroads, in root on W. side of 30-in. elm tree; copper nail and washer-----	455. 10
Darwin, 1.0 mi. S. of, 0.11 mi. S. of NW. cor. sec. 35, T. 10 N., R. 11 W., on E. side of rd., 165 ft. N. of residence, in root on NW. side of 30-in. oak tree; copper nail and washer-----	461. 52
Darwin, in E. part of, 1 block W. of ferry landing, 2 blocks S. of main E.-W. street, in SW. corner of street intersection, 35 ft. W. of N.-S. street, near NE. corner of yard of residence, in root on NE. side of 24-in. maple tree; copper nail and washer-----	466. 05
Darwin, 0.25 mi. below ferry, 800 ft. from bank of Wabash River, on S. side of main E.-W. rd., 30 ft. E. of old rd. S., 20 ft. E. of fence, opposite granary and wagon shed, in dooryard of J. L. Figg, 60 ft. W. of house; top of iron pipe (U.S.C.E. B.M. 15) ⁸⁰ ---	449. 10
Darwin, at center of, in SE. corner of intersection of main streets, about 20 ft. NW. of NW. corner of brick store, on top of N. end of concrete base of service sta. pumps; chiseled square-----	467. 88
Darwin, 1.1 mi. N. of, 0.1 mi. N. of center of NE $\frac{1}{4}$ sec. 22, T. 10 N., R. 11 W., on S. side of rd., 25 ft. W. of junction of private rd. N to ferry to island, in root on N. side of 40-in. sycamore tree; copper nail and washer-----	449. 20
Darwin, 1.1 mi. N. thence 0.4 mi. NW. from, 0.1 mi. W. of quarter corner between secs. 15 and 22, T. 10 N., R. 11 W., 45 ft. NW. of rd. junction, in root on SW. side of 10-in. elm tree; copper nail and washer-----	450. 76
Darwin, 2.6 mi. by rd. N. of, near quarter corner between secs. 10 and 15, T. 10 N., R. 11 W., 20 ft. N. and 30 ft. W. from junction of rd. W., 14 ft. W. of fence corner, in concrete post; standard tablet stamped "19 A 1931"-----	481. 325
Reference mark, 260 ft. N. of rd. junction, on E. side of rd., 5 ft. S. of private rd. E. to residence, in root on W. side of small forked locust tree; copper nail and washer-----	480. 29
Darwin, 2.8 mi. N. of, about 0.1 mi. SW. of center of SE $\frac{1}{4}$ sec. 10, T. 10 N., R. 11 W., at steel bridge over Sugar Creek, on top of W. wing wall of N. concrete abutment; chiseled square-----	457. 23
Darwin, 3.4 mi. N. of, 0.2 mi. N. of quarter corner between secs. 10 and 11, T. 10 N., R. 11 W., 280 ft. S. of junction of T-rd. E., on W. side of rd., in root on W. side of 24-in. walnut tree; copper nail and washer-----	489. 30

⁸⁰ This bench mark is in Indiana.

T. 10 N., R. 11 W., about 0.1 mi. W. of N $\frac{1}{4}$ cor. sec. 11, 130 ft. SW. of junction of T-rd. SE., on top of NW. wing wall of concrete culvert; chiseled square-----	<i>Fcet</i> 461.44
T. 10 N., R. 11 W., 0.25 mi. N. and 0.1 mi. E. from center of sec. 2, in SW. corner of junction of rd. W., on top of S. head wall of concrete culvert; chiseled square-----	464.85
T. 10 N., R. 11 W., 0.2 mi. E. of N $\frac{1}{4}$ cor. sec. 2, at Waters Ford across Big Creek, on W. bank of creek, 30 ft. N. of rd. junction, in root on S. side of three-forked cottonwood tree; copper nail and washer----	456.16
Tps. 10 and 11 N., R. 11 W., near cor. secs. 1, 2, 35, and 36, 40 ft. W. of rd. NE., 30 ft. E. of junction of field rd. S., 70 ft. E. of center line of tangent of rd. N., on N. side of rd., in root on S. side of 48-in. elm tree; copper nail and washer-----	455.10
T. 11 N., R. 11 W., 0.1 mi. S. of center of sec. 36, 20 ft. S. and 20 ft. W. from rd. junction, 5 ft. W. of gatepost of driveway to barn lot, in concrete post; standard tablet stamped "20 A 1931"-----	553.967
Reference mark, 120 ft. E. of rd. junction, on N. side of rd., in front of farmhouse, in yard, in root on E. side of 15-in. tree, westernmost of four maple trees; copper nail and washer-----	555.05
T. 11 N., R. 11 W., 0.15 mi. N. and 0.05 mi. W. from E $\frac{1}{4}$ cor. sec. 36, at concrete bridge, on top of S. wing wall of E. abutment; chiseled square-----	477.14
T. 11 N., R. 10 W., 0.18 mi. W. of quarter corner between secs. 30 and 31, in N. corner of junction of T-rd. NW., at concrete steps at entrance to Cooper Chapel, on top of SW. corner of top step; chiseled square-----	546.64
T. 11 N., R. 10 W., 0.25 mi. E. of N $\frac{1}{4}$ cor. sec. 31, at foot of bluff, at bridge over Ashmore Creek, on top of W. end of S. abutment; chiseled square-----	467.33
T. 11 N., R. 10 W., about 0.15 mi. E. of W $\frac{1}{4}$ cor. sec. 29, 0.5 mi. E. thence 1.0 mi. SW. from Kendall School, 60 ft. SW. of junction of rd. E., on E. side of rd., in root on NW. side of 18-in. elm tree; copper nail and washer-----	465.44

MATTOON QUADRANGLE

[Latitude 39°15'–39°30'; longitude 88°15'–88°30']

COLES, CUMBERLAND, MOULTRIE, AND SHELBY COUNTIES

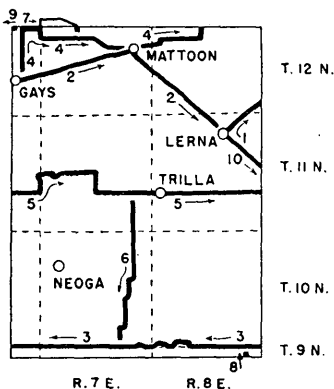


FIGURE 186.—Lines of leveling in Mattoon quadrangle.

1. From point 1.2 miles northwest of Janesville northwest along Illinois Central Railroad to Lerna, thence northeast along Toledo, St. Louis & Western Railroad ⁸⁷ 2.5 miles (by T. A. Green in 1906; first-order leveling)

[Continued from Toledo quadrangle, line 1]

Janesville, 2.6 mi. NW. of, 1.4 mi. SE. of Lerna, 234 ft. SE. of milepost 127–120, 35 ft. E. of track, in fence corner; standard iron post with bronze cap stamped “1906 735” and designated “S 3” (recovered by U. S. C. & G. S. in 1935) -----

Fect

735. 612

Lerna, 113 ft. NW. of intersection of T. St. L. & W. R. R., at SE corner of sta., on E. side, at corner of platform; standard iron post with bronze cap stamped “1906 753” and “Prim Trav Sta No 54 S 1924” and designated “T 3” (recovered in 1907) -----

753. 670

[Continued in Toledo quadrangle, line 2]

2. From Gays northeast along Cleveland, Cincinnati, Chicago & St. Louis Railway to Mattoon, thence southeast along Illinois Central Railroad to Lerna (by P. E. Fletcher in 1907)

[Continued from Stewardson quadrangle, line 1]

Gays, about 200 ft. NE. of sta., at SW. corner of block 14, near W. edge of sidewalk, in concrete post; aluminum tablet stamped “K 23 1924” and “Prim Trav Sta No 47 LS 1924” ⁸⁸ -----

755. 336

Gays, 3.4 mi. NE. of, 3.0 mi. SW. of Mattoon, about 0.4 mi. S. of NE. cor. sec. 20, T. 12 N., R 7 E., at intersection of S. right-of-way line of R. R. and E. line of sec. 20, in concrete post; aluminum tablet -----

713. 746

⁸⁷ Now the New York, Chicago & St. Louis R. R.

⁸⁸ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped “Q 87 1935,” elevation 754.457 ft.

Mattoon, in NE. corner of intersection of I. C. R. R. branch line and Twenty-first Street, on E. side of street, near curb, in concrete post; standard tablet stamped "K 26 1924"⁵⁰-----

Fect
724. 369

3. From point 1 mile south and 0.3 mile west from Toledo west along road to point 0.4 mile east of Mosers Crossroads (by F. D. Kramer in 1924; leveled twice)

[Continued from Toledo quadrangle, line 3]

Toledo, 1.0 mi. S. thence 1.2 mi. W. from, near SW. cor. sec. 36, T. 10 N., R. 8 E., NE. of junction of T-rd. S., in root of 30-in. elm tree; copper nail and washer (recovered in 1929)-----	596. 26
Toledo, 1.0 mi. S. thence 1.9 mi. W. from, 0.25 mi. W. of S $\frac{1}{4}$ cor. sec. 35, T. 10 N., R. 8 E., in NW. corner of offset crossroads, opposite center line of rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 38 S 1924 K 14"-----	600. 738
Reference mark, 136 ft. S. 35° W. from tablet, SW. of crossroads, in yard of Huffman residence, in root of 16-in. maple tree; copper nail and washer-----	600. 54
T. 10 N., R. 8 E., 0.2 mi. W. of S $\frac{1}{4}$ cor. sec. 34, 0.2 mi. W. of junction of T-rd. S., on N. side of rd., in root of 24-in. shellbark hickory tree; copper nail and washer-----	596. 30
T. 9 N., R. 8 E., near NW. cor. sec. 3, at foot of hill, on S. side of rd., on E. side of gate, in elm tree; copper nail and washer-----	549. 86
Muddy Creek, at ford; surface of water Aug. 3, 1924-----	534. 4
T. 9 N., R. 8 E., about 0.25 mi. E. of N $\frac{1}{4}$ cor. sec. 4, on S. side of rd., at residence of John Seeley, on NE. corner of concrete walk; chiseled square-----	565. 84
T. 10 N., R. 8 E., 0.25 mi. N. of SW. cor. sec. 33, 140 ft. N. of junction of T-rd. W., on E. side of rd., near log house, in root of 14-in. hickory tree; copper nail and washer-----	610. 95
Tps. 9 and 10 N., R. 8 E., 0.25 mi. E. of W. cor. secs. 5 and 32, 1.0 mi. S. of Bean School, on SW. side of right-angle turn W. in rd., opposite center line of rd. N., in concrete post; standard tablet stamped "Prim Trav Sta No 39 S 1924 K 15"-----	618. 954
Reference mark, 56 ft. N. 7° E. from tablet, on E. side of rd., at gate, on top of stone slab; chiseled square-----	618. 31
Tps. 9 and 10 N., R. 8 E., 0.25 mi. E. of W. cor. secs. 6 and 31, on S. side of rd., at right-angle bend W., in yard of Charles Oakley, in root of 18-in. apple tree; copper nail and washer-----	611. 27
T. 9 N., R. 7 E., 0.25 mi. E. of NW. cor. sec. 1, on S. side of rd., at bend, in root of double black-oak tree; copper nail and washer-----	608. 72
T. 10 N., R. 7 E., 0.25 mi. E. of SW. cor. sec. 35, 3.3 mi. E. of Lone Elm School, 1.6 mi. SW. of Whitehall Church, on top of bank, in concrete post; standard tablet stamped "Prim Trav Sta No 40 S 1924 K 16"-----	628. 481
Reference mark, 58 ft. S. 53° E. from tablet, in SE. corner of crossroads, in yard of C. Burton, on top of concrete well cover; chiseled square-----	626. 75
Lone Elm School, 2.2 mi. E. of, about 0.2 mi. E. of NW. cor. sec. 3, T. 9 N., R. 7 E., about 400 ft. W. of sixteenth corner, on S. side of rd., on top of bank, in root of 36-in. double maple tree; copper nail and washer-----	643. 00

⁵⁰ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "Mattoon 1934," elevation 733.542 ft.

Lone Elm School, 1.1 mi. E. of, 870 ft. E. of SW. cor. sec. 33, T. 10 N., R. 7 E., on N. side of rd., on top of concrete wall of culvert; chiseled square -----	<i>Fcet</i> 641. 85
Lone Elm School, 4.0 mi. S. of Neoga, near NE. cor. sec. 6, T. 9 N., R. 7 E., in SW. corner of offset crossroads, opposite center line of rd. N., in concrete post; standard tablet stamped "Prim Trav Sta No 41 S 1924 K 17" -----	648. 567
Reference mark, 113 ft. N.80°E. from tablet, 12 ft. E. of center line of rd. S., at wooden bridge on E.-W. rd., on S. wing wall of W. concrete abutment; chiseled square -----	648. 51
Lone Elm School, 1.0 mi. W. of, near NW. cor. sec. 6, T. 9 N., R. 7 E., at Cumberland-Shelby county line, in SE. corner of junction of T-rd. S. to house, in root of 36-in. maple tree; copper nail and washer (recovered in 1929) -----	644. 80
Lone Elm School, 1.5 mi. W. of, 1.5 mi. E. of Mosers Crossroads, near N¼ cor. sec. 1, T. 9 N., R. 6 E., in SE. corner of second crossroads E. of intersection of Illinois Central R. R., on top of E. end of S. wall of concrete culvert; chiseled square (recovered in 1929) -----	640. 92
[Continued in Stewardson quadrangle, line 2]	
4. From Gays along roads north 2.9 miles, thence generally east by way of Mattoon to point on State Highway 16 about 4.5 miles northeast of Mattoon (by F. D. Kramer in 1924; reveled from point 3.3 miles west of Mattoon to Mattoon by E. W. Gouchenour in 1929)	
[Continued from Stewardson quadrangle, line 2]	
Gays, near sta., in front of residence of William Shaddow, on N. side of rd., 86 ft. S.86°E. from concrete post, in root of 32-in. maple tree; copper nail and washer ⁹⁰ -----	754. 05
Gays, 1.1 mi. N. of, about 0.2 mi. N. of E¼ cor. sec. 23, T. 12 N., R. 6 E., on W. side of rd., on top of S. end of concrete wall of culvert; chiseled square -----	714. 32
Gays, 2.1 mi. N. of, 667 ft. N. of E¼ cor. sec. 14, T. 12 N., R. 6 E., on W. side of rd., opposite residence of A. N. Davis, in root of 30-in. locust tree; copper nail and washer -----	697. 81
Gays, 2.9 mi. N. of, near quarter corner between secs. 11 and 12, T. 12 N., R. 6 E., at offset crossroads, on N. side of E.-W. rd., opposite center line of rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 48 S 1924 K 24" (recovered in 1930) -----	681. 410
Reference mark, in NW. corner of crossroads, in root of 20-in. black-oak tree; copper nail and washer -----	680. 68
Gays, 2.9 mi. N. thence 0.8 mi. E. from, 6.0 mi. NW. of Mattoon, about 0.3 mi. E. of center of sec. 12, T. 12 N., R. 6 E., on S. side of rd., on top of W. end of S. concrete wall of culvert; chiseled square -----	680. 83
Mattoon, 4.8 mi. W. of, near N¼ cor. sec. 18, T. 12 N., R. 6 E., on S. side of rd., at gate, in root of large double poplar tree; copper nail and washer -----	708. 54
Mattoon, 4.0 mi. W. of, 0.25 mi. E. of NW. cor. sec. 17, T. 12 N., R. 7 E., on S. side of rd., in root of 54-in. elm tree; copper nail and washer -----	712. 66
Mattoon, 3.3 mi. W. of, near SE. cor. sec. 8, T. 12 N., R. 7 E., in NW. corner of crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 49 S 1924 K 25" -----	718. 761

⁹⁰ Established as a reference mark to principal bench mark stamped "K 23 1924" and "Prim Trav Sta No 47 LS 1924," described in line 2.

Reference mark, 53.5 ft. N.77° E. from tablet, in NE. angle of crossroads, on lawn of Van Dyke property, in root of 28-in. maple tree; copper nail and washer-----	<i>Fect</i> 717.92
Mattoon, 2.7 mi. W. of, 0.12 mi. E. of quarter corner between secs. 9 and 16, T. 12 N., R. 7 E., on top of E. end of N. wall of concrete culvert; chiseled square-----	716.84
Mattoon, at intersection of I. C. R. R. and Western Avenue; top of NE. rail-----	721.5
Mattoon, at intersection of Thirty-third Street and Western Avenue, on S. side of avenue, on top of concrete drain sewer; chiseled square---	728.57
Mattoon, at intersection of C. C. C. & St. L. Ry. and Twenty-fourth Street; top of S. rail of main east-bound track-----	728.3
Mattoon, at SW. corner of intersection of Lafayette Avenue and Twenty-first Street, 111.5 ft. N.35° W. from concrete post; on top of curb; chiseled square ⁹¹ -----	723.64
Mattoon, on E. side of Twenty-first Street, opposite center line of West Dewitt Avenue, in concrete post; standard tablet stamped "Prim Trav Sta No 50 S 1924 K 27" ⁹² -----	726.385
Reference mark, 147 ft. S. of tablet, on top of curb; chiseled square---	726.76
Mattoon, at SE. corner of intersection of Sixth Street and Dewitt Avenue, at city limits, on top of curb; chiseled square-----	714.10
Mattoon, 1.7 mi. E. of, near S¼ cor. sec. 7, T. 12 N., R. 8 E., in NW. corner of junction of rd. N., on top of W. wall of concrete culvert; chiseled square-----	716.20
Mattoon, 2.5 mi. E. of, 0.25 mi. E. of NW. cor. sec. 17, T. 12 N., R. 8 E., on S. side of rd., on top of S. wall of concrete culvert; chiseled square-----	704.11
Mattoon, 3.2 mi. E. of, about 195 ft. E. of SW. cor. sec. 9, T. 12 N., R. 8 E., on N. side of rd., on top of W. end of concrete wall of culvert; chiseled square-----	700.26
Mattoon, 3.9 mi. E. of, 0.25 mi. E. of quarter corner between secs. 9 and 16, T. 12 N., R. 8 E., on E. side of N.-S. rd., opposite rd. W., inside fence, in concrete post; standard tablet stamped "Prim Trav Sta No 51 S 1924 K 28"-----	694.964
Reference mark, 52.9 ft. N. 78° W. from tablet, at NW. corner of old brick rd. W., on top of concrete wall of culvert; chiseled square----	696.53

[Continued in Arcola quadrangle, line 1]

5. From point 1.1 miles south and 1 mile east from Sexson generally east along roads to point 0.3 mile west of Janesville (by F. D. Kramer in 1924; leveled twice to point 1.4 miles west of Trilla)

[Connects with line 2 in Stewardson quadrangle]

Sexson, 1.1 mi. S. thence 1.1 mi. E. from, 0.12 mi. E. of N¼ cor. sec. 26, T. 11 N., R. 6 E., about 675 ft. E. of junction of T-rd. S., 60 ft. S. of rd., in fence line, in root of 26-in. elm tree; copper nail and washer-----	647.91
Sexson, 1.1 mi. S. thence 2.3 mi. E. from, 1.0 mi. S. and 2.8 mi. W. from Etna (Aetna), about 850 ft. W. of SE cor. sec. 24, T. 11 N., R. 6 E., on N. side of rd., in front of deserted house, in root of 22-in. maple tree; copper nail and washer-----	655.71

⁹¹ Established as a reference mark to a standard tablet stamped "K 26 1924," previously described in line 2.

⁹² In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "Mattoon 1934," elevation 733.542 ft.

1106 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Etna, 0.5 mi. S. and 2.8 mi. W. from, near W $\frac{1}{4}$ cor. sec. 19, T. 11 N., R. 7 E., on E. side of rd., in yard of John Bingaman, in root of 24-in. black-oak tree; copper nail and washer-----	<i>Fect</i> 656. 07
Etna, 3.0 mi. by rd. W. of, 0.25 mi. S. and 395 ft. W. from NE. cor. sec. 24, T. 11 N., R. 6 E., in NE. corner of junction of T-rd. N., in concrete post; standard tablet stamped "Prim Trav Sta No 58 S 1924 K 32"-----	655. 260
Reference mark, 117 ft. N. 47° W. from tablet, in NW. corner of rd. junction, on lawn of Russell Ganneway, in root of maple tree; copper nail and washer-----	654. 24
Etna, 1.9 mi. W. of, about 450 ft. S. of N. cor. secs. 19 and 20, T. 11 N., R. 7 E., on S. side of rd., at right-angle bend N., at gate to farmyard of Earl Sparks, in root of 34-in. white-oak tree; copper nail and washer-----	651. 61
Little Wabash River, at S. side of steel bridge; surface of water Sept. 4, 1924-----	635. 3
Etna, 0.5 mi. W. of, about 0.25 mi. W. of N $\frac{1}{4}$ cor. sec. 21, T. 11 N., R. 7 E., on S. side of rd., in yard of Charles Wilhelm, in root of 30-in. double maple tree; copper nail and washer-----	658. 30
Aetna (Etna), at Illinois Central R. R. crossing; top of E. rail-----	663. 2
Etna, 0.2 mi. E. of, 3.4 mi. W. thence 1.0 mi. N. from Trilla, near SE. cor. sec. 16, T. 11 N., R. 7 E., near NW. corner of junction of T-rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 59 S 1924 K 33" ⁹³ -----	654. 998
Reference mark, 62 ft. E. of tablet, 45 ft. E. of rd. junction, on top of N. wall of concrete bridge; chiseled square-----	656. 83
Trilla, 3.4 mi. W. of, near E. cor. secs. 21 and 28, T. 11 N., R. 7 E., at junction of T-rd. E., on W. side of N.-S. rd., in root of double poplar tree; copper nail and washer-----	667. 09
Trilla, 2.4 mi. W. of, about 350 ft. W. of E. cor. secs. 22 and 27, T. 11 N., R. 7 E., on W. abutment of steel bridge; top of SW. corner angle iron-----	654. 38
Trilla, 1.4 mi. W. of, near SW. cor. sec. 24, T. 11 N., R. 7 E., in NE. corner of crossroads, on top of E. end of N. concrete wall of culvert; chiseled square-----	668. 76
Trilla, 0.4 mi. W. of, near NW. cor. sec. 30, T. 11 N., R. 8 E., in SE. corner of junction of T-rd. S., 2.5 ft. N. of guy pole, 2.5 ft. S. of right-of-way marker, in concrete post; standard tablet stamped "60 S K 34 Reset 1939" ⁹⁴ -----	660. 006
Reference mark, 48.5 ft. N. 75° W. of original position of tablet, NW. of rd. junction, in yard of Daniel Wiley, in root of 26-in. elm tree; copper nail and washer-----	659. 47
Trilla, at New York, Chicago & St. Louis R. R. crossing; top of N. rail-----	657. 6
Trilla, 0.5 mi. E. of, near NE. cor. sec. 30, T. 11 N., R. 8 E., in SW. corner of junction of T-rd. S., on top of E. end of S. wall of concrete culvert; chiseled square-----	650. 51
Trilla, 1.4 mi. E. of, 750 ft. W. of SE. cor. sec. 20, T. 11 N., R. 8 E., in NW. corner of junction of T-rd. N., on top of concrete wall of culvert; chiseled square-----	661. 94

⁹³ In 1936 this bench mark was moved 4.6 ft. north and reset at the same elevation.

⁹⁴ In 1930 this bench mark was moved 35 ft. south and 3 ft. west from its original position and lowered 0.519 ft. In 1939 it was moved 10 ft. south and lowered 0.215 ft. The description and figures of elevation given refer to the new position.

Trilla, 2.5 mi. E. of, near NE. cor. sec. 28, T. 11 N., R. 8 E., about 50 ft. SW. of crossroads, on top of bank, in concrete post; standard tablet stamped "Prim Trav Sta No 61 S 1924 K 35"-----	<i>Feet</i> 655. 679
Reference mark, 132 ft. N.68°E. from tablet, on N. side of rd., 90 ft E. of crossroads, on top of concrete wall of culvert; chiseled square-----	656. 07
Trilla, 3.5 mi. E. of, near NW. cor. sec. 26, T. 11 N., R. 8 E., about 90 ft. SE. of crossroads, in root of 25-in. white-oak tree; copper nail and washer-----	675. 56
Trilla, 4.6 mi. E. of, 1.2 mi. W. of Janesville, near NW. cor. sec. 25, T. 11 N., R. 8 E., 84 ft. SE. of crossroads, in yard of Hugh Foote, in root of 18-in. pine tree; copper nail and washer-----	696. 06
Janesville, 0.8 mi. W. of, about 100 ft. E. of quarter corner between secs. 24 and 25, T. 11 N., R. 8 E., on top of W. end of N. concrete wall of culvert; chiseled square-----	686. 51

[Continued in Toledo quadrangle, line 5]

6. From crossroads 1.4 miles west of Trilla south and southwest along roads to crossroads 1.6 miles southwest of Whitehall Church (by F. D. Kramer in 1924; leveled twice)

Trilla, 1.4 mi. W. thence 1.0 mi. S. from, at Lambert School, near SW. cor. sec. 25, T. 11 N., R. 7 E., on E. side of rd., in schoolyard, on top of NW. corner of concrete well cover; chiseled square-----	662. 81
Lambert School, 1.0 mi. S. of, 1.2 mi. N. of Beehive School, near SE. cor. sec. 35, T. 11 N., R. 7 E., in NW. corner of crossroads, on top of N. concrete wall of culvert; chiseled square-----	666. 09
Beehive School, 0.2 mi. N. of, near W. cor. secs. 1 and 12, T. 10 N., R. 7 E., on E. side of rd., in front of house, in root of 16-in. elm tree; copper nail and washer-----	663. 24
Beehive School, 0.8 mi. S. of, 2.9 mi. NE. of Whitehall Church, near SE. cor. sec. 11, T. 10 N., R. 7 E., in NW. corner of crossroads, on top of concrete wall of culvert; chiseled square-----	652. 65
Whitehall Church, 1.6 mi. NE. of, 0.25 mi. W. of E. cor. secs. 14 and 23, T. 10 N., R. 7 E., on W. side of rd, in root of 18-in. post-oak tree; copper nail and washer-----	644. 85
Whitehall Church, about 0.5 mi. N. of, 220 ft. S. of N $\frac{1}{4}$ cor. sec. 26, T. 10 N., R. 7 E., on top of N. end of E. concrete wall of culvert; chiseled square-----	632. 27
Whitehall Church, 0.9 mi. SW. of, 3.3 mi. E. thence 0.7 mi. N. from Lone Elm School, near center of NW $\frac{1}{4}$ sec. 35, T. 10 N., R. 7 E., on E. side of rd., in front of house, in root of 22-in. maple tree; copper nail and washer-----	633. 82

7. Along roads south 0.1 mile to point 2.9 miles north of Gays, thence east 1 mile, thence north 0.1 mile (by E. W. Gouchenour in 1929)

[A jog from Arcola quadrangle, line 2]

Gays, 2.9 mi. N. of, near W $\frac{1}{4}$ cor. sec. 12, T. 12 N., R. 6 E., 25 ft. N. and 35 ft. E. from standard iron post, in root of locust tree; copper nail and washer (recovered in 1930) ⁹⁵ -----	680. 81
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[Continued in Arcola quadrangle, line 2]

⁹⁵ Established as a reference mark to principal bench mark stamped "Prim Trav Sta No 48 S 1924 K 24," described in line 4.

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8. From point 1.6 miles south and 1.2 miles west from Toledo north along road 0.6 mile (by E. E. Harris in 1929)

[Continued from Teutopolis quadrangle, line 4]

Toledo, 1.5 mi. S. and 1.2 mi. W. from, 20 ft. NE. of quarter corner between secs. 1 and 2, T. 9 N., R. 8 E.; standard iron post with bronze cap stamped "Prim Trav Sta No 9"-----	Feet 596. 634
Reference mark, 223 ft. S. 10° W. from tablet, in root on SE. side of 30-in. oak tree; copper nail and washer-----	595. 35

9. From crossroads 2.9 miles north of Gays west and northwest along road 0.6 mile (by S. R. Archer in 1930)

Gays, 2.9 mi. N. thence 0.3 mi. W. from, 0.05 mi. N. and 0.25 mi. E. from center of sec. 11, T. 12 N., R. 6 E., at concrete bridge, on top of E. parapet of N. abutment; chiseled square-----	648. 45
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[Continued in Sullivan quadrangle, line 4]

10. From point 1.4 miles southeast of Lerna southeast along Illinois Central Railroad to point 1.2 miles northwest of Janesville (by S. R. Archer in 1932)

Lerna, 2.1 mi. SE. of, 1.7 mi. NW. of Janesville, near center of sec. 13, T. 11 N., R. 8 E., 125 ft. E. of intersection of E.-W. rd., on N. side of rd., in root on S. side of 36-in. elm tree; copper nail and washer-----	720. 53
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[Continued in Toledo quadrangle, line 6]

MILFORD QUADRANGLE

[Latitude 40°30'–40°45'; longitude 87°30'–87°45']

IROQUOIS COUNTY

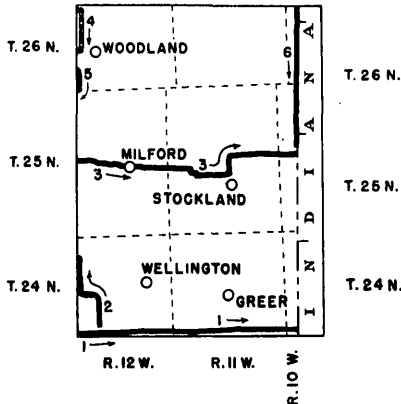


FIGURE 187.—Lines of leveling in Milford quadrangle.

1. From point 2.5 miles south and 3.6 miles west from Wellington east along road to Illinois-Indiana State line (by W. C. Elledge in 1931)

[Connects with line 1 in Cissna Park quadrangle]

Wellington, 2.5 mi. S. and 3.5 mi. W. from, near NW. cor. sec. 32, T. 24 N., R. 12 W., 30 ft. S. and 9 ft. W. from junction of private drive S. to dwelling of H. H. Roark, in root on N. side of 30-in. maple tree; copper nail and washer-----	Feet 693. 90
Wellington, 2.5 mi. S. and 2.6 mi. W. from, at Chapman School, near NW cor. sec. 33, T. 24 N., R. 12 W., 30 ft. S. and 30 ft. E. from crossroads, in NW. corner of schoolyard, 3 ft. N. and 10 ft. E. from telephone pole, in concrete post; standard tablet stamped "11 E 1931" (recovered in 1934)-----	696. 524
Reference mark, 48 ft. E. of tablet, on NW. corner of concrete well curb; chiseled square-----	698. 16
Wellington, 2.5 mi. S. and 1.6 mi. W. from, near NE. cor. sec. 33, T. 24 N., R. 12 W., 30 ft. S. and 30 ft. W. from center of rd. in line with N.-S. fence, in root on N. side of 18-in. walnut tree, second from E. in row of seven trees; copper nail and washer-----	700. 06
Wellington, 2.5 mi. S. and 0.6 mi. W. from, at Pleasant Valley School, near SW. cor. sec. 26, T. 24 N., R. 12 W., 33 ft. N. and 100 ft. E. from crossroads, at concrete sidewalk leading to school entrance, on W. edge of S. end; chiseled square-----	703. 32
Wellington, 2.5 mi. S. and 0.4 mi. E. from, 2.3 mi. N. of Hoopeston, near SW. cor. sec. 25, T. 24 N., R. 12 W., 30 ft. N. and 34 ft. E. from crossroads, 2 ft. S. and 7 ft. E. from fence corner, in concrete post; standard tablet stamped "12 E 1931"-----	721. 460

Reference mark, 370 ft. E. of tablet, 15 ft. N. of fence, in root on SW. side of 12-in. maple tree; copper nail and washer-----	<i>Feet</i> 724. 45
Wellington, 2.5 mi. S. and 1.4 mi. E. from, near NW. cor. sec. 30, T. 24 N., R. 11 W., 52 ft. N. and 66 ft. E. from crossroads, in root on S. side of 15-in. maple tree; copper nail and washer-----	749. 92
Wellington, 2.5 mi. S. and 2.4 mi. E. from, near SW. cor. sec. 29, T. 24 N., R. 11 W., 25 ft. N. and 55 ft. E. from crossroads, in root on SW. side of 18-in. maple tree; copper nail and washer-----	748. 35
Wellington, 2.5 mi. S. and 3.4 mi. E. from, 2.0 mi. S. and 1.1 mi. W. from Greer, near NW. cor. sec. 33, T. 24 N., R. 11 W., 24 ft. S. and 30 ft. E. from junction of T-rd. N., 2 ft. N. of fence, in concrete post; standard tablet stamped "13 E 1931"-----	745. 492
Reference mark, 3 ft. S. and 15 ft. W. from tablet, in root on NW. side of 18-in. poplar tree; copper nail and washer-----	745. 36
Greer, 2.0 mi. S. and 0.1 mi. W. from, near SW. cor. sec. 27, T. 24 N., R. 11 W., 105 ft. N. and 105 ft. E. from crossroads, in root on SE. side of 30-in. poplar tree; copper nail and washer-----	765. 07
Greer, 2.0 mi. S. and 0.9 mi. E. from, 2.4 mi. N. and 0.5 mi. E. from Cheneyville, near NE. cor. sec. 34, T. 24 N., R. 11 W., 8 ft. S. and 50 ft. W. from crossroads, on SE. wing wall of small bridge; chiseled square-----	734. 06
T. 24 N., R. 11 W., near NW. cor. sec. 36, 17 ft. S. and 54 ft. E. from junction of T-rd. S., 1 ft. N. of fence, in concrete post; standard tablet stamped "14 E 1931" (recovered in 1934)-----	728. 807
Reference mark, 38 ft. NW. of tablet, on S. head wall of concrete culvert; chiseled square-----	728. 74
T. 24 N., R. 10 W., 680 ft. E. of SW. cor. sec. 30, 90 ft. E. of dwelling of Louis Greenburg, 7 ft. N. of N. side of rd., in root on S. side of 12-in. maple tree, third tree from W.; copper nail and washer (recovered in 1934)-----	741. 66
T. 24 N., R. 10 W., near NE. cor. sec. 31, 0.4 mi. W. thence 1.0 mi. N. from Ambia, Ind., 15 ft. S. and 18 ft. W. from junction of N.-S. rd. along Illinois-Indiana State line, on E. end of S. head wall of concrete culvert; chiseled square (recovered in 1934)-----	723. 54

[Continued in Indiana]

2. From point 2.5 miles south and 2.6 miles west from Wellington alternately north and west along roads to point 0.5 mile south and 0.7 mile east from Hickman (by W. L. Utti in 1934)

Wellington, 1.9 mi. S. and 2.6 mi. W. from, near E¼ cor. sec. 29, T. 24 N., R. 12 W., on W. side of rd., 306 ft. N. of fence corner, in root on E. side of 24-in. hedge tree; iron nail and two washers---	691. 75
Wellington, 1.4 mi. S. and 2.6 mi. W. from, near SE. cor. sec. 20, T. 24 N., R. 12 W., 293 ft. N. of crossroads, on W. side of rd., 5 ft. S. and 5 ft. W. from fence corner, in yard of dwelling of William Woolem, in root on NE. side of 30-in. maple tree; iron nail and two washers-----	690. 62
Wellington, 0.5 mi. S. and 3.2 mi. W. from, at Evans School, near S¼ cor. sec. 17, T. 24 N., R. 12 W., 25 ft. N. and 50 ft. W. from junction of private rd. to residence of G. C. Butzow, at sidewalk leading to schoolhouse, on E. corner of S. end; chiseled square---	678. 83

Wellington, 0.4 mi. S. and 3.6 mi. W. from, near SW. cor. sec. 17, T. 24 N., R. 12 W., 500 ft. N. and 30 ft. E. from junction of T-rd. N., 167 ft. S. and 24 ft. E. from junction of private rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 1 1934"-----	<i>Feet</i> 676.180
Wellington, 0.5 mi. N. and 3.6 mi. W. from, near NW. cor. sec. 17, T. 24 N., R. 12 W., 328 ft. S. and 31 ft. E. from crossroads, at residence of Mrs. F. McIntyre, 64 ft. S. and 5 ft. E. from fence corner of yard, in root on SW. side of 24-in. maple tree; iron nail and two washers-----	674.22
Wellington, 1.5 mi. N. and 3.6 mi. W. from, near NE. cor. sec. 7, T. 24 N., R. 12 W., 30 ft. S. and 125 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 2 1934"-----	669.118
[Continued in Cissna Park quadrangle, line 2]	
3. From point 0.4 mile east of Bryce generally east along roads to point on Illinois-Indiana State line 1.5 miles north and 3.6 miles east from Stockland (by W. L. Utti in 1934)	
[Continued from Cissna Park quadrangle, line 2]	
Bryce, 0.6 mi. E. of, 2.9 mi. W. of Milford, 0.2 mi. W. of S $\frac{1}{4}$ cor. sec. 8, T. 25 N., R. 12 W., 28 ft. N. and 88 ft. W. from junction of private rd. N. to residence of A. F. Lauterbach, 8 ft. W. of SW. corner of yard fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 8 1934"-----	683.305
Milford, 2.2 mi. W. of, near NE. cor. sec. 17, T. 25 N., R. 12 W., 840 ft. NW. of junction of rd. S., 10 ft. S. of rd., 10 ft. N. and 5 ft. E. from concrete right-of-way post, on concrete culvert marked "V-15D 84-10"; chiseled square-----	658.15
Milford, 1.6 mi. W. of, 0.15 mi. S. of N $\frac{1}{4}$ cor. sec. 16, T. 25 N., R. 12 W., 0.46 mi. E. of junction of rd. S., 525 ft. E. of private rd. N., at steel bridge over Mud Creek, on NW. concrete abutment; chiseled square-----	648.77
Milford, 0.6 mi. W. of intersection of Chicago and Lyle Streets, in NW $\frac{1}{4}$ sec. 15, T. 25 N., R. 12 W., 20 ft. S. and 10 ft. E. from SW. corner of Maple Grove Cemetery, 15 ft. N. and 27 ft. E. from junction of private rd. to residence of Mrs. M. Rush, on N. head wall of small concrete culvert; chiseled square-----	647.54
Milford, near W. edge of, 361 ft. S. and 18 ft. E. from intersection of Jones and S. Park Streets, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 9 1934"-----	658.596
Milford, at Milford Township Grade School, 3 ft. N. and 32 ft. W. from intersection of Lyle Street and Chicago Street (Dixie Highway), 58 ft. N. and 3 ft. W. from sidewalk leading to E. entrance of schoolhouse, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 10 1934"-----	661.766
Milford, 0.6 mi. E. of intersection of Dixie Highway, 17 ft. S. and 90 ft. W. from intersection of Rural Route 1, on S. head wall of concrete culvert; chiseled square-----	662.64
Milford, 1.1 mi. E. of, 0.2 mi. W. of E $\frac{1}{4}$ cor. sec. 14, T. 25 N., R. 12 W., 12 ft. S. and 380 ft. W. from junction of private rd. to residence of E. Whipple, on S. head wall of concrete bridge; chiseled square----	657.15

1112 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Milford, 2.1 mi. E. of, 0.27 mi. W. of E $\frac{1}{4}$ cor. sec. 13, T. 25 N., R. 12 W., 0.4 mi. E. of junction of T-rd. S., 32 ft. S. of highway, 45 ft. S. of small culvert marked "77-50 G 150 D," in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 11 1934"-----	<i>Feet</i> 665.973
Milford, 2.4 mi. E. of, near quarter corner between secs. 13 and 18, T. 25 N., Rs. 11 and 12 W., 0.3 mi. W. of private rd. to residence of H. Hulse, 30 ft. N. of highway, 3 ft. W. of concrete right-of-way post and fence corner; U. S. C. & G. S. and State Survey standard disk stamped "21 12 1934"-----	666.674
Milford, 2.7 mi. E. of, 0.2 mi. W. of center of sec. 18, T. 25 N., R. 11 W., 40 ft. N. and 12 ft. E. from junction of private rd. to Hulse residence, in root on S. side of 18-in. walnut tree; iron nail and two washers-----	665.98
Milford, 3.9 mi. E. of, near center of SW $\frac{1}{4}$ sec. 17, T. 25 N., R. 11 W., 850 ft. S. of Sugar Creek Church, 19 ft. S. and 78 ft. E. from residence of A. M. Jones, 18 ft. N. and 5 ft. W. from fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 13 1934"-----	670.133
Milford, 4.2 mi. E. of, 0.7 mi. N. and 1.8 mi. W. from Stockland, 0.25 mi. S. of center of sec. 17, T. 25 N., R. 11 W., 418 ft. N. of junction of private rd. to residence of Pearl Jones, 3 ft. N. and 21 ft. W. from fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 14 1934"-----	671.310
Stockland, 0.5 mi. N. and 1.0 mi. W. from, 0.25 mi. E. of NW. cor. sec. 21, T. 25 N., R. 11 W., 32 ft. S. and 320 ft. W. from junction of T-rd. N., 14 ft. W. of NW. corner of garden fence, in root on NE. side of 15-in. elm tree; iron nail and two washers-----	679.36
Stockland, 0.5 mi. N. and 0.7 mi. W. from, near N $\frac{1}{4}$ cor. sec. 21, T. 25 N., R. 11 W., 0.35 mi. E. of junction of T-rd. N., 80 ft. E. of private rd. to residence of Mike Rever, on SW. wing wall of large concrete culvert; chiseled square-----	667.98
Stockland, 0.5 mi. N. of, 0.25 mi. E. of NW. cor. sec. 22, T. 25 N., R. 11 W., 83 ft. S. and 19 ft. E. from junction of N.-S. rd., 93 ft. S. and 1 ft. W. from fence corner, 7 ft. N. and 10 ft. E. from telephone pole, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 15 1934"-----	688.828
Stockland, 0.7 mi. N. of, near center of SW $\frac{1}{4}$ sec. 15, T. 25 N., R. 11 W., 0.2 mi. N. of rd. junction, 24 ft. W. of highway, 2 ft. W. of telephone pole, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 16 1934"-----	690.277
Stockland, 1.2 mi. N. of, near center of NW $\frac{1}{4}$ sec. 15, T. 25 N., R. 11 W., 350 ft. N. of private rd. E. to farmhouse, on E. wall of concrete culvert over branch of Sugar Creek; chiseled square-----	672.76
Stockland, 1.5 mi. N. and 0.3 mi. E. from, near N $\frac{1}{4}$ cor. sec. 15, T. 25 N., R. 11 W., 102 ft. S. and 725 ft. E. from junction of T-rd. N., 40 ft. S. and 20' ft. E. from residence of E. C. Sumner, on S. wall of concrete water tank; chiseled square-----	684.55
Stockland, 1.5 mi. N. and 1.3 mi. E. from, near quarter corner between secs. 11 and 14, T. 25 N., R. 11 W., 387 ft. W. of junction of private rd. to Sumner dairy barns, at steel bridge over Sugar Creek, on NW. stone abutment; chiseled square-----	681.27

Stockland, 1.5 mi. N. and 1.8 mi. E. from, near NW. cor. sec. 13, T. 25 N., R. 11 W., 26 ft. S. and 164 ft. E. from crossroads, 26 ft. S. of highway, 47 ft. W. of sidewalk to residence of E. C. Sumner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 17 1934"-----	<i>Feet</i> 689. 765
Stockland, 1.5 mi. N. and 2.0 mi. E. from, 0.25 mi. E. of NW. cor. sec. 13, T. 25 N., R. 11 W., 24 ft. S. of highway, 240 ft. E. of residence of A. T. Sumner, 1 ft. W. of fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "21 18 1934"-----	692. 823
Stockland, 1.5 mi. N. and 2.7 mi. E. from, near NE. cor. sec. 13, T. 25 N., R. 11 W., on S. side of rd., 20 ft. S. and 17 ft. E. from junction of private rd. to residence of W. G. Cole, 7 ft. E. of fence corner, in root on S. side of 24-in cherry tree; iron nail and two washers-----	699. 14
Stockland, 1.5 mi. N. and 3.6 mi. E. from, near SE. cor. sec. 7, T. 25 N., R. 10 W., 40 ft. N. and 20 ft. W. from junction of Illinois-Indiana State-line rd., in concrete post; standard tablet stamped "Prim Trav Sta No 123 Mac 1923" (recovered in 1936)-----	700. 630

[Continued in Indiana]

4. From point 2 miles south and 0.6 mile west from Watseka east, south, and west along roads to point 1 mile west of Woodland (by E. H. Lewis in 1934)

[Continued from Cissna Park quadrangle, line 7]

Witseka, 2.0 mi. S. and 0.5 mi. W. from, 0.7 mi. W. thence 2.3 mi. N. from Woodland, 0.25 mi. N. of SE. cor. sec. 7, T. 26 N., R. 12 W., 20 ft. S. and 115 ft. W. from crossroads, at S. right-of-way line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 11 1934"-----	646. 132
Woodland, 0.7 mi. W. thence 1.2 mi. N. from, 0.24 mi. N. of SE. cor. sec. 18, T. 26 N., R. 12 W., 18 ft. W. of rd., in root of elm tree; iron bolt-----	648. 13
Woodland, 0.7 mi. W. of, near NW. cor. sec 29, T. 26 N., R. 12 W., 27 ft. S. and 41 ft. E. from junction of E.-W. rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 12 1934"-----	653. 224

[Continued in Cissna Park quadrangle, line 8]

5. From point 1 mile south and 1 mile west from Woodland south along road about 1 mile (by E. H. Lewis in 1934)

[A jog from Cissna Park quadrangle, line 8]

Woodland, 1.0 mi. W. thence 1.0 mi. S. from, 0.25 mi. W. of NE. cor. sec. 31, T. 26 N., R. 12 W., 200 ft. S. of junction of T-rd. W., at highway bridge over Jefferson Creek, on SW. wing wall; chiseled square-----	636. 99
Woodland, 1.0 mi. W. thence 2.0 mi. S. from, 0.25 mi. E. of NW. cor. sec. 5, T. 25 N., R. 12 W., 35 ft. S. and 5 ft. W. from junction of E.-W. rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 14 1934"-----	645. 765

[Continued in Cissna Park quadrangle, line 8]

6. From point 1.4 miles south of Effner, Ind., south along Illinois-Indiana State-line road to point 1.5 miles north and 3.6 miles east from Stockland (by R. Whitford in 1934)

[Continued from Watseka quadrangle, line 1]

Effner, 1.5 mi. S. of, 1.5 mi. S. and 2.0 mi. E. from Sheldon, near SE. cor. sec. 7, T. 26 N., R. 10 W., 60 ft. N. and 21 ft. W. from junction of T-rd. W., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "20 6 1934"-----	<i>Feet</i> 690.175
T. 26 N., R. 10 W., near SE. cor. sec. 18, 80 ft. N. and 20 ft. W. from junction of T-rd. W., in concrete post; standard tablet stamped "Prim Trav Sta No 121 Mac 1923"-----	709.757
T. 26 N., R. 10 W., 0.2 mi. S. of NW. cor. sec. 11, 90 ft. N. and 11 ft. E. from junction of T-rd. W. at E. cor. secs. 19 and 30, in E. head wall of concrete culvert; monel-metal rivet ⁶⁶ -----	716.90
T. 26 N., R. 10 W., near SE. cor. sec. 30, 60 ft. N. and 25 ft. W. from junction of T-rd. W., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "20 7 1934"-----	750.614
T. 26 N., R. 10 W., near SE. cor. sec. 31, 30 ft. N. and 20 ft. W. from junction of T-rd. W., in concrete post; standard tablet stamped "Prim Trav Sta No 122 Mac 1923"-----	742.554
T. 26 N., R. 10 W., near SW. cor. sec. 26, 0.9 mi. N. of SE. cor. sec. 6, T. 25 N., R. 10 W., 130 ft. N. and 25 ft. E. from junction of T-rd. E., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "20 8 1934" ⁶⁶ -----	724.761

⁶⁶ This bench mark is in Indiana.

MINONK QUADRANGLE

[Latitude 40°45'–41°00'; longitude 89°00'–89°15']

LA SALLE, MARSHALL, AND WOODFORD COUNTIES

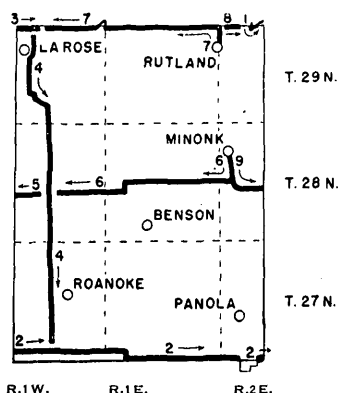


FIGURE 188.—Lines of leveling in Minonk quadrangle.

1. From point 3.5 miles south and 2 miles east from Wenona south and east along roads to point 1.5 miles south and 0.5 mile west from Leeds (by G. F. Williams in 1924)

[Connects with line 4 in Wenona quadrangle]

Wenona, 3.5 mi. S. and 2.0 mi. E. from, 1.5 mi. S. and 1.0 mi. W. from Leeds, near NW. cor. sec. 9, T. 29 N., R. 2 E., in SE. angle of crossroads, at fence corner, on concrete base of steel corner post; chiseled square -----

Feet
685.41

[Continued in Streator quadrangle, line 7]

2. From point in sec. 32, T. 27 N., R. 1 W., generally east along roads to point on U. S. Highway 51 about 1 mile northwest of El Paso (by C. E. Walker in 1925)

[Continued from Metamora quadrangle, line 1]

Secor, 1.0 mi. N. and 4.2 mi. W. from, 2.2 mi. N. and 3.0 mi. E. from Eureka, 2.7 mi. S. and 1.0 mi. W. from Roanoke, near E $\frac{1}{4}$ cor. sec. 33, T. 27 N., R. 1 W., 29 ft. N. and 34 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 59 T 1924" (recovered in 1929) -----

757.480

Secor, 1.0 mi. N. and 3.2 mi. W. from, near W $\frac{1}{4}$ cor. sec. 35, T. 27 N., R. 1 W., 215 ft. E. of crossroads, on top of SE. wing wall of bridge over creek; chiseled square -----

734.46

Secor, 1.0 mi. N. and 1.2 mi. W. from, near W $\frac{1}{4}$ cor. sec. 31, T. 27 N., R. 1 E., 27 ft. N. and 27 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 58 T 1924" -----

731.342

Reference mark, 44 ft. SE. of crossroads, on S. end of concrete culvert; chiseled square -----

731.54

1116 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Secor, 0.5 mi. N. and 1.8 mi. E. from, near N. cor. secs. 3 and 4, T. 26 N., R. 1 E., 27 ft. SW. of crossroads, on W. end of concrete culvert; chiseled square-----	<i>Feet</i> 705. 72
Secor, 0.5 mi. N. and 3.0 mi. E. from, 1.0 mi. N. and 3.3 mi. W. from El Paso, 1,359 ft. E. of SW. cor. sec 35, T 27 N., R. 1 E., 21 ft. N. of junction of T-rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 57 T 1924"-----	713. 051
Reference mark, 470 ft. W. of junction of T-rd. S., on N. head wall of concrete culvert; chiseled square-----	699. 94
El Paso, 1.0 mi. N. and 1.6 mi. W. from, near SE. cor. sec. 36, T. 27 N., R. 1 E., 235 ft. W. of crossroads, on N. side of rd., at entrance to barnyard, on top of E. head wall of concrete culvert; chiseled square-----	739. 66
El Paso, 1.0 mi. NW. of, on U. S. Highway 51, 29 ft. SE. of crossroads, on S. head wall of concrete culvert; chiseled square-----	730. 70

[Connects with line 3 in Danvers quadrangle]

3. From point 1.1 miles north and 0.8 mile west from La Rose east along road 1.1 miles to crossroads, thence north to point 2.5 miles south of Varna (by E. E. Harris in 1929)

[Continued from Metamora quadrangle, line 7]

La Rose, 1.1 mi. N. of, 0.25 mi. E. of NW. cor. sec. 9, T. 29 N., R. 1 W., 15 ft. S. and 27 ft. E. from intersection of State Highway 89 and E-W. rd., 54 ft. W. of Chicago & Alton R. R. track, on head wall of concrete culvert; chiseled square-----	696. 48
La Rose, 1.1 mi. N. thence 0.3 mi. E. from, 2.5 mi. S. of Varna, near S¼ cor. sec. 4, T. 29 N., R. 1 W., 24 ft. N. and 23 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 70 T 1924" (recovered in 1934)-----	705. 617
Reference mark, 55 ft. S. 45° E. from tablet, in center of head wall of concrete culvert; chiseled square-----	707. 00

[Continued in Wenona quadrangle, line 5]

4. From crossroads 1.1 miles north of La Rose south along State Highway 89 and roads to crossroads 1 mile north and 4.2 miles west from Secor (by E. E. Harris in 1929)

La Rose, just N. of Chicago & Alton R. R. sta., in NW. angle of crossroads, on top of angle in head wall of concrete culvert; chiseled square-----	679. 15
La Rose, 0.5 mi. S. of C. & A. R. R. sta., 0.4 mi. NE. of Atchison, Topeka & Santa Fe Ry. sta., on S. side of E-W. rd., in line with T-rd. N., on top near center of head wall of small concrete culvert; chiseled square ⁸⁸ -----	655. 74
La Rose, 0.4 mi. S. of A. T. & S. F. Ry. sta., 0.2 mi. S. of NE. cor. sec. 20, T. 29 N., R. 1 W., on top of angle in SW. concrete wing wall of culvert; chiseled square ⁸⁸ -----	631. 44
La Rose, 1.2 mi. S. of A. T. & S. F. Ry. sta., 0.1 mi. S. of NW. cor. sec. 28, T. 29 N., R. 1 W., on E. side of rd., 200 ft. S. of small steel bridge, on top of head wall of concrete culvert, 1 ft from N. end; chiseled square-----	643. 54

⁸⁸ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "C 30 1934." elevation 642.295 ft.

La Rose, 1.7 mi. S. of A. T. & S. F. Ry. sta., 1.2 mi. NW. of Hazelwood School, 31 ft. S. and 14 ft. E. from quarter corner between secs. 28 and 29, T. 29 N., R. 1 W., at offset crossroads, in line with rd. N., near front gate of dwelling, in concrete post; standard tablet stamped "Prim Trav Sta No 71 T 1924"-----	<i>Feet</i> 703. 677
Hazelwood School, 170 ft. E. of, 1.9 mi. W. of Pattonsburg, near NW. cor. sec. 34, T. 29 N., R. 1 W., in SE. angle of rd. fork, in line with rd. NW., in root on N. side of 15-in. boxelder tree; copper nail and washer-----	714. 39
Hazelwood School, 1.0 mi. S. of, 1.0 mi. N. of Franklin School, near NE. cor. sec. 4, T. 28 N., R. 1 W., at Marshall-Woodford county line, in SW. angle of crossroads, on head wall of concrete culvert; chiseled square-----	719. 52
Franklin School, 0.6 mi. S. and 3.5 mi. E. from Washburn, near SW. cor. sec. 3, T. 28 N., R. 1 W., 26 ft. N. and 20 ft. E. from crossroads, in SW. corner of schoolyard, in concrete post; standard tablet stamped "Prim Trav Sta No 72 T 1924"-----	719. 144
Reference mark, 264 ft. S.15°W. from tablet, in root on SE. side of 20-in. maple tree; copper nail and washer-----	722. 85
Franklin School, 1.0 mi. S. of, 1.0 mi. N. of Wellington School, near NW. cor. sec. 15, T. 28 N., R. 1 W., in SE. angle of crossroads, on W. end of NE. wing wall of concrete bridge; chiseled square-----	717. 82
Wellington School, near SE. cor. sec. 16, T. 28 N., R. 1 W., in NW. angle of crossroads, near SE. corner of schoolhouse, at center of S. side of concrete foundation of pump; chiseled square-----	740. 57
Wellington School, 0.5 mi. S. of, 1.5 mi. N. of Irving School, in SE. angle of crossroads, 10 ft. S. and 38 ft. E. from stone marking quarter corner between secs. 21 and 22, T. 28 N., R. 1 W., in concrete post; standard tablet stamped "Prim Trav Sta No 54 T 1924" (recovered in 1934)-----	741. 872
Irving School, 1.0 mi. N. of, near NE. cor. sec. 28, T. 28 N., R. 1 W., in SW. angle of junction of T-rd. W., on top of angle in head wall of concrete culvert; chiseled square-----	738. 32
Irving School, 5.0 mi. W. of Benson, 3.8 mi. N. and 1.0 mi. W. from Roanoke, near NE. cor. sec. 33, T. 28 N., R. 1 W., in SW. angle of crossroads, at center of NE. side of walk leading to schoolhouse; chiseled square-----	753. 28
Roanoke, 2.8 mi. N. and 1.0 mi. W. from, near N. cor. secs. 3 and 4, T. 27 N., R. 1 W., 125 ft. E. of S. cor. secs. 33 and 34, T. 28 N., R. 1 W., at offset crossroads, in SE. angle of junction of T-rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 73 T 1924"-----	769. 260
Reference mark, 200 ft. N.80°W. from tablet, on top near center of N. head wall of concrete culvert; chiseled square-----	767. 79
Roanoke, 1.8 mi. N. and 1.0 mi. W. from, at Shirer School, near SW. cor. sec. 3, T. 27 N., R. 1 W., 45 ft. N. and 21 ft. E. from crossroads, on head wall of culvert; chiseled square-----	775. 64
Roanoke, 0.8 mi. N. and 1.0 mi. W. from, near NE. cor. sec. 16, T. 27 N., R. 1 W., in SW. angle of crossroads, on base at S. side of concrete corner post; chiseled square-----	755. 40
Roanoke, 0.2 mi. S. and 1.0 mi. W. from, near NW. cor. sec. 22, T. 27 N., R. 1 W., 38 ft. S. and 22 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 74 T 1924"-----	751. 512

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Reference mark, 66 ft. N.45°W. from tablet, on head wall of culvert; chiseled square-----	<i>Feet</i> 751.98
Roanoke, 1.2 mi. S. and 1.0 mi. W. from, near NW. cor. sec. 27, T. 27 N., R. 1 W., 375 ft. E. of crossroads, on S. side of E.-W. rd., on top near center of head wall of concrete culvert; chiseled square-----	752.31
Roanoke, 2.2 mi. S. and 1.0 mi. W. from, near SW. cor. sec. 27, T. 27 N., R. 1 W., at schoolhouse, on E. side of rd., 9 ft. S. of junction of T.-rd. W., on concrete head wall of culvert; chiseled square-----	759.92
5. From Wellington School 5.3 miles north and 1 mile west from Roanoke west along road to point 3.3 miles east of Low Point (by E. E. Harris in 1929)	
Wellington School, 0.8 mi. W. of, 4.2 mi. E. of Low Point, 0.2 mi. E. of W $\frac{1}{4}$ cor. sec. 21, T. 28 N., R. 1 W., on N. side of rd., at small steel bridge over ditch, on top of NW. stone abutment; chiseled square-----	734.00
[Continued in Metamora quadrangle, line 5]	
6. From point on Illinois Central Railroad 0.5 mile south of Minonk south 1 mile, thence generally west to Wellington School (by Robert Teets in 1934)	
Menok triangulation sta. (U. S. C. & G. S.), 0.5 mi. S. of Minonk, on E. side of track, 300 ft. S. of Illinois Oil Co. tanks, 60 ft. S. of first switch signal S. of oil tank, on edge of bank of first cut S. of R. R. sta., 25 ft. E. of E. rail; U. S. C. & G. S. standard triangulation-station disk stamped "761.058 Menok 1920"-----	761.058
Minonk, 1.5 mi. S. of, 0.1 mi. E. of S $\frac{1}{4}$ cor. sec. 18, T. 28 N., R. 2 E., 250 ft. N. of crossroads, on W. side of U. S. Highway 51, at concrete culvert under driveway, in top of S. head wall; monel-metal rivet-----	744.50
Minonk, 1.5 mi. S. thence 0.5 mi. W. from, near NW. cor. sec. 19, T. 28 N., R. 2 E., 21 ft. S. and 27 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "6 1 1934"-----	733.850
Minonk, 1.5 mi. S. thence 1.5 mi. W. from, near W. cor. secs. 13 and 24, T. 28 N., R. 1 E., 240 ft. E. of crossroads, in root of 25-in. maple tree; bent spike and washer-----	727.73
Minonk, 1.5 mi. S. thence 2.5 mi. W. from, near SW. cor. sec. 14, T. 28 N., R. 1 E., 21 ft. N. and 22 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 56 T 1924"-----	734.585
Minonk, 1.5 mi. S. thence 3.0 mi. W. from, near S $\frac{1}{4}$ cor. sec. 15, T. 28 N., R. 1 E., on N. side of rd., in root of 36-in. maple tree; spike and washer-----	739.30
Minonk, 1.5 mi. S. thence 3.5 mi. W. from, 2.2 mi. N. and 1.0 mi. E. from Benson, near NE. cor. sec. 21, T. 28 N., R. 1 E., 44 ft. S. and 15 ft. W. from crossroads, in W. head wall of concrete culvert; monel-metal rivet-----	746.02
Benson, 2.2 mi. N. and 0.5 mi. E. from, 175 ft. W. of N $\frac{1}{4}$ cor. sec. 21, T. 28 N., R. 1 E., on top of S. head wall of concrete culvert; chiseled square-----	743.25
Benson, 2.2 mi. N. of, near SW. cor. sec. 16, T. 28 N., R. 1 E., 30 ft. N. and 150 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "6 2 1934"-----	754.663

Benson, 2.2 mi. N. and 1.0 mi. W. from, near NW. cor. sec. 20, T. 28 N., R. 1 E., 20 ft. S. and 28 ft. E. from crossroads, on head wall of concrete culvert; chiseled square-----	Feet 748. 99
Benson, 1.7 mi. N. and 1.0 mi. W. from, 4.0 mi. E. of Wellington School, near W¼ cor. sec. 20, T. 28 N., R. 1 E., 33 ft. E. of junction of T-rd. W., in concrete post; standard tablet stamped "Prim Trav Sta No 55 T 1924"-----	730. 100
Wellington School, 2.6 mi. E. of, 0.1 mi. E. of center of sec. 24, T. 28 N., R. 1 W., at E. abutment of bridge, on top of N. wing wall; chiseled square-----	720. 62
Wellington School, 2.0 mi. E. of, near W¼ cor. sec. 24, T. 28 N., R. 1 W., 24 ft. S. and 24 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "6 3 1934"-----	725. 923
Wellington School, 1.0 mi. E. of, near E¼ cor. sec. 22, T. 28 N., R. 1 W., 55 ft. S. and 27 ft. W. from crossroads, at concrete culvert under driveway, on top of N. head wall; chiseled square-----	731. 30
7. From Rutland north along Illinois Central Railroad 1.1 miles to road crossing, thence west along road by way of Toluca to crossroads 1.1 miles north and 0.3 mile east from La Rose (by Robert Teets in 1934)	
U. S. C. & G. S. standard disk stamped "711.025 L 7 1920"-----	711. 025
Rutland, 1.1 mi. N. of, 0.18 mi. E. of W. cor. secs. 6 and 7, T. 29 N., R. 2 E., 33 ft. S. and 30 ft. W. from crossing of E.-W. rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "6 4 1934"-----	695. 793
Rutland, 1.1 mi. N. of, near SE. cor. sec. 1, T. 29 N., R. 1 E., 15 ft. N. and 20 ft. W. from crossroads, on top of N. head wall of concrete culvert; chiseled square-----	702. 06
Rutland, 1.1 mi. N. and 0.2 mi. W. from, 710 ft. W. of NE. cor. sec. 12, T. 29 N., R. 1 E., 25 ft. S. of rd.; standard iron post with bronze cap stamped "6 5 1934"-----	708. 126
Rutland, 1.1 mi. N. and 1.1 mi. W. from, 3.4 mi. E. of Toluca, 0.13 mi. W. of NE. cor. sec. 11, T. 29 N., R. 1 E., 40 ft. S. of rd., in root of 28-in. maple tree; spike-----	724. 40
Toluca, 2.5 mi. E. of, near NW. cor. sec. 11, T. 29 N., R. 1 E., 24 ft. S. and 50 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "6 6 1934"-----	739. 830
Toluca, 2.3 mi. E. of, 0.25 mi. W. of SE. cor. sec. 3, T. 29 N., R. 1 E., 25 ft. N. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "6 7 1934"-----	728. 964
Toluca, 1.8 mi. E. of, at Antioch School, 0.25 mi. E. of SW. cor. sec. 3, T. 29 N., R. 1 E., on N. side of rd., on concrete base of pump; chiseled square-----	722. 30
Toluca, 1.5 mi. E. of, near SE. cor. sec. 4, T. 29 N., R. 1 E., 18 ft. N. and 45 ft. W. from crossroads, on top of head wall of concrete culvert; chiseled square-----	711. 96
Toluca, 1.2 mi. E. of, 0.2 mi. E. of S¼ cor. sec. 4, T. 29 N., R. 1 E., in barnyard, in root of 28-in. maple tree; spike and washer-----	709. 19
Toluca, 0.7 mi. E. of, 0.26 mi. E. of SW. cor. sec. 4, T. 29 N., R. 1 E., 25 ft. N. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "6 8 1934"-----	702. 712

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Toluca, 0.5 mi. E. of, near NW. cor. sec. 9, T. 29 N., R. 1 E., 30 ft. S. and 40 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "6 9 1934" ⁹⁹ -----	<i>Feet</i> 700.686
Toluca, 10 ft. S. of Atchison, Topeka & Santa Fe Ry. sta., near quarter corner between secs. 5 and 8, T. 29 N., R. 1 E., 7 ft. N. of track, on sidewalk; chiseled square-----	698.06
Toluca, 0.5 mi. W. of, near NW. cor. sec. 8, T. 29 N., R. 1 E., 20 ft. S. and 35 ft. E. from crossroads, at concrete culvert under State Highway 116 A, on head wall; chiseled square-----	684.35
Toluca, 1.2 mi. W. of, 0.2 mi. E. of NW. cor. sec. 7, T. 29 N., R. 1 E., 25 ft. S. of rd.; standard iron post with bronze cap stamped "6 10 1934"-----	691.968
Toluca, 1.5 mi. W. of, near SE. cor. sec. 1, T. 29 N., R. 1 W., 35 ft. N. and 25 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "6 11 1934" (in Wenona quadrangle, line 7)-----	683.064
Toluca, 3.5 mi. W. of, near cor. secs. 2, 3, 10, and 11, T. 29 N., R. 1 W., 25 ft. S. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "6 12 1934"-----	687.142
Toluca, 3.7 mi. W. of, 1.1 mi. N. and 1.6 mi. E. from La Rose, 0.19 mi. W. of SE. cor. sec. 3, T. 29 N., R. 1 W., 25 ft. N. of rd.; standard iron post with bronze cap stamped "6 13 1934"-----	687.490
8. From Illinois Central Railroad at road crossing 1.1 miles north of Rutland east along road 0.9 mile (by Robert Teets in 1934; leveled twice)	
Rutland, 1.1 mi. N. and 0.5 mi. E. from, 0.1 mi. E. of S $\frac{1}{4}$ cor. sec. 6, T. 29 N., R. 2 E., on top of NW. wing wall of concrete bridge; chiseled square-----	690.27
Rutland, 1.1 mi. N. and 0.9 mi. E. from, near SW. cor. sec. 5, T. 29 N., R. 2 E., 30 ft. N. and 40 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 71 Mac 1923"---	698.696
9. From point on Illinois Central Railroad 0.5 mile south of Minonk south and east along railroad to point 2 miles south and 2 miles east from Minonk (by I. B. Pearce in 1934)	
U. S. C. & G. S. standard disk stamped "M 7"-----	754.057
U. S. C. & G. S. standard disk stamped "N 7"-----	755.724
Minonk, 1.8 mi. SE. of along I. C. R. R., 410 ft. E. of quarter corner between secs. 19 and 20, T. 28 N., R. 2 E., 29 ft. N. of switch at E. end of wye, 4 ft. from fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 1 1934"-----	732.360

[Continued in Flanagan quadrangle, line 5]

⁹⁹ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "W 29 1934," elevation 702.420 ft.

MOMENCE QUADRANGLE
 [Latitude 41°00'–41°15'; longitude 87°30'–87°45']
IROQUOIS AND KANKAKEE COUNTIES

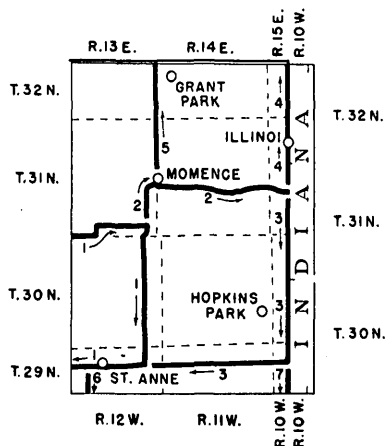


FIGURE 189.—Lines of leveling in Momence quadrangle.

1. From highway bridge over Kankakee River 5.8 miles east of Kankakee along roads alternately east and north to crossroads 2.5 miles south and 0.5 mile west from Momence, thence south 7.3 miles to crossroads, thence west to point 0.2 mile south and 1.8 miles west from St. Anne (by S. R. Archer in 1922)

[Continued from Kankakee quadrangle, line 6]

Momence, 3.0 mi. S. and 4.4 mi. W. from, about 6 mi. E. of Kankakee, 0.2 mi. W. of N¼ cor. sec. 5, T. 30 N., R. 12 W., 700 ft. E. of E. end of highway bridge over Kankakee River, in SE. angle of junction of T-rd. S., on E. head wall of concrete culvert under rd. S.; chiseled square-----	Feet 612.63
Momence, 3.0 mi. S. and 3.3 mi. W. from, near N¼ cor. sec. 4, T. 30 N., R. 12 W., in center of triangular plot at Y-rd. junction, in concrete post; aluminum tablet stamped "70 A 1922"-----	619.432
Reference mark, at W. corner of triangular plot, on concrete pavement; chiseled square-----	620.00
Momence, 2.5 mi. S. and 3.0 mi. W. from, near W¼ cor. sec. 34, T. 31 N., R. 13 E., in NE. angle of junction of T-rd. N., on top of E. head wall of concrete culvert under rd. N.; chiseled square-----	627.78
Momence, 2.5 mi. S. and 2.5 mi. W. from, near center of sec. 34, T. 31 N., R. 13 E., in SE. angle of crossroads, on top of E. head wall of concrete culvert under rd. S.; chiseled square-----	619.86
Momence, 2.5 mi. S. and 1.5 mi. W. from, near center of sec. 35, T. 31 N., R. 13 E., at crossroads, on S. edge of concrete pavement of E.-W. rd., in line with center of rd. S.; chiseled square-----	636.53

Momence, 2.5 mi. S. and 1.0 mi. W. from, near W $\frac{1}{4}$ cor. sec. 36, T. 31 N., R. 13 E., in NE. angle of junction of T-rd. N., on E. head wall of concrete culvert; chiseled square-----	<i>Feet</i> 632. 65
Momence, 2.5 mi. S. and 0.5 mi. W. from, near center of sec. 36, T. 31 N., R. 13 E., 35 ft. S. and 25 ft. W. from crossroads, 10 ft. S. of fence corner; standard iron post with bronze cap stamped "71 A 1922"-----	638. 816
Reference mark, in SW. angle of crossroads, on top of E. head wall of tile culvert under driveway to field; chiseled square-----	639. 22
Momence, 4.3 mi. S. and 0.8 mi. W. from, near W $\frac{1}{4}$ cor. sec. 12, T. 30 N., R. 12 W., at S. abutment of bridge over drainage ditch, on E. end of bridge seat; chiseled square-----	632. 50
Momence, 4.8 mi. S. and 0.8 mi. W. from, 4.8 mi. N. and 2.0 mi. E. from St. Anne, 0.1 mi. N. and 0.5 mi. E. from Koster, near NE. cor. sec. 14, T. 30 N., R. 12 W., 30 ft. S. and 45 ft. W. from crossroads, 25 ft. W. of fence corner, in concrete post; standard tablet stamped "72 A 1922"-----	634. 440
Reference mark, in SE. angle of crossroads, on SW. wing wall of concrete bridge; chiseled square-----	636. 14
St. Anne, 3.8 mi. N. and 2.0 mi. E. from, near SW. cor. sec. 13, T. 30 N., R. 12 W., 45 ft. N. and 65 ft. E. from junction of T-rd. W., in root 5 in. underground on W. side of 12-in. oak tree; copper nail and washer-----	655. 36
St. Anne, 2.8 mi. N. and 2.0 mi. E. from, near NW. cor. sec. 25, T. 30 N., R. 12 W., 25 ft. S. and 50 ft. E. from crossroads, 30 ft. E. of fence corner, in root 6 in. underground on NW. side of 8-in. oak tree; copper nail and washer-----	652. 63
St. Anne, 1.8 mi. N. and 2.0 mi. E. from, near NW. cor. sec. 36, T. 30 N., R. 12 W., 25 ft. S. and 30 ft. E. from crossroads, 14 ft. E. of fence corner; standard iron post with bronze cap stamped "73 A 1922"-----	646. 758
Reference mark, 60 ft. N. and 30 ft. E. from iron post, on S. side of schoolyard, in root on SW. side of 12-in. maple tree; copper nail and washer-----	646. 22
St. Anne, 0.8 mi. N. and 2.0 mi. E. from, near SE. cor. sec. 35, T. 30 N., R. 12 W., 30 ft. N. and 35 ft. W. from crossroads, 15 ft. W. of SE. corner of yard of dwelling, inside yard fence, in root on NE. side of easternmost of two willow trees; copper nail and washer---	630. 99
St. Anne, 0.2 mi. S. and 1.8 mi. E. from, 0.18 mi. W. of SE. cor. sec. 2, T. 29 N., R. 12 W., 950 ft. W. of crossroads, at W stone abutment of bridge over drainage ditch, on NW. end of N. wing wall; chiseled square-----	630. 46
St. Anne, 0.2 mi. S. and 1.0 mi. E. from, near NW. cor. sec. 11, T. 29 N., R. 12 W., on S. side of rd., 230 ft. W. of dwelling on N. side of rd., at NW. corner of yard of deserted house, 4 ft. S. and 8 ft. E. from fence corner, in root 4 in. underground on NW. side of 8-in. walnut tree; copper nail and washer-----	639. 05
St. Anne, 0.2 mi. S. and 0.5 mi. E. from, near N $\frac{1}{4}$ cor. sec. 10, T. 29 N., R. 12 W., 25 ft. S. and 90 ft. W. from crossroads, in field, in root on N. side of 24-in. maple tree; copper nail and washer----	642. 68

St. Anne, in SW. part of, 500 ft. E. of Dixie Highway, on S. side near SE. corner of schoolyard, 120 ft. S. and 12 ft. E. from SE. corner of schoolhouse, 40 ft. N. and 20 ft. W. from junction of street S., at corner on E. side of walk leading to SE. corner of schoolhouse, in concrete post; standard tablet stamped "74 A 1922" (recovered in 1934)-----	<i>Feet</i> 678. 565
St. Anne, in SW. part of, 500 ft. E. of Dixie Highway, on S. side near SE. corner of schoolyard, 120 ft. S. and 60 ft. E. from SE. corner of schoolhouse, in center of concrete sidewalk; aluminum tablet stamped "Prim Trav Sta No 50 W 1921" (recovered in 1934)-----	678. 702
St. Anne, 0.2 mi. S. and 1.0 mi. W. from, near NW. cor. sec. 9, T. 29 N., R. 12 W., 500 ft. E. of crossroads, on S. head wall of concrete highway culvert; chiseled square (recovered in 1934)-----	652. 14
[Continued in Kankakee quadrangle, line 7]	
2. From crossroads 2.5 miles south and 0.5 mile west from Momence north 2 miles, thence generally east to point on Illinois-Indiana State line 2.4 miles south of Illinois (by S. R. Archer in 1922)	
Momence, 1.5 mi. S. and 0.5 mi. W. from, near center of sec. 25, T. 31 N., R. 13 E., in NE. angle of crossroads, on top of N. head wall of concrete culvert under rd. E.; chiseled square-----	645. 74
Momence, 0.5 mi. S. and 0.5 mi. W. from, near center of sec. 24, T. 31 N., R. 13 E., in SW. angle of junction of T-rd. S., on top of S. head wall of concrete culvert under rd. W.; chiseled square-----	620. 29
Momence, 0.5 mi. S. and 1.0 mi. E. from, near E¼ cor. sec. 19, T. 31 N., R. 14 E., 30 ft. N. and 45 ft. W. from junction of T-rd. S., inside fence, in root on SW. side of 40-in. maple tree; copper nail and washer-----	624. 63
Momence, 0.5 mi. S. and 1.5 mi. E. from, near center of sec. 20, T. 31 N., R. 14 E., at NE. corner of bridge over drainage ditch, on bridge seat; chiseled square-----	623. 64
Momence, 0.5 mi. S. and 2.3 mi. E. from, 0.25 mi. W. of center of sec. 21, T. 31 N., R. 14 E., 25 ft. S. and 70 ft. E. from junction of rd. S., in root on N. side of 24-in. elm tree; copper nail and washer-----	624. 97
Momence, 0.7 mi. S. and 2.9 mi. E. from, 0.2 mi. SW. of E¼ cor. sec. 21, T. 31 N., R. 14 E., 540 ft. W. of crossing of Chicago, Milwaukee, St. Paul & Pacific R. R., 20 ft. N. and 45 ft. E. from bridge, on N. side of rd., in root on SE. side of three-forked locust tree; copper nail and washer-----	625. 87
Momence, 0.8 mi. S. and 3.5 mi. E. from, 0.2 mi. N. of S¼ cor. sec. 22, T. 31 N., R. 14 E., 35 ft. S. and 25 ft. W. from junction of rd. S., 15 ft. S. of fence corner; standard iron post with bronze cap stamped "78 A 1922"-----	627. 480
Reference mark, 65 ft. N. and 10 ft. W. from iron post, on W. side of entrance to Bob's Resort, on concrete base of brick sign; chiseled square-----	627. 27
Momence, 0.8 mi. S. and 4.2 mi. E. from, at Hess School, in SW¼ sec. 23, T. 31 N., R. 14 E., on N. side of rd., 40 ft. S. and 60 ft. W. from SW. corner of schoolhouse, 15 ft. N. and 25 ft. E. from SW. corner of schoolyard, in root on S. side of 24-in. oak tree; copper nail and washer-----	628. 74

Momence, 0.6 mi. S. and 5.0 mi. E. from, 0.15 mi. SW. of E $\frac{1}{4}$ cor. sec. 23, T. 31 N., R. 14 E., 900 ft. NE. of junction of private rd. N. to Shadow Lawn resort, 140 ft. E. of driveway S. to dwelling, on S. side of rd., inside fence, in root on N. side of large four-forked cherry tree; copper nail and washer-----	Feet 628. 05
Momence, 0.5 mi. S. and 6.1 mi. E. from, near W $\frac{1}{4}$ cor. sec. 19, T. 31 N., R. 15 E., 25 ft. S. and 100 ft. E. from crossroads, on S. side of rd., inside fence, in root on NW. side of 30-in. oak tree; copper nail and washer-----	629. 73
Momence, 0.8 mi. S. and 7.1 mi. E. from, 2.4 mi. S. of Illinois, 0.4 mi. S. of Kankakee River, on E. side of rd. along Illinois-Indiana State line, 30 ft. N. and 15 ft. E. from junction of T-rd. W., in concrete post; aluminum tablet stamped "Prim Trav Sta No 45 W 1921 A 84" (recovered in 1928) ³ -----	632. 574
Reference mark, 60 ft. S. and 110 ft. W. from tablet, in SW. angle of junction of T-rd. W., 50 ft. W. of fence corner, inside fence, in root on S. side of 24-in. elm tree; copper nail and washer (recovered in 1928)-----	629. 57
3. From road junction 2.4 miles south of Illinois south along Illinois-Indiana State line to road junction 1 mile north of east corner of Iroquois and Kankakee Counties, thence west to crossroads 0.2 mile south and 2.1 miles east from St. Anne (by S. R. Archer in 1922)	
Illinois, 3.7 mi. S. of, 0.2 mi. S. of W $\frac{1}{4}$ cor. sec. 13, T. 31 N., R. 10 W., 0.3 mi. S. of junction of T-rd. W., 125 ft. E. of rd., at site of destroyed dwelling, in root on W. side of 15-in. cherry tree; copper nail and washer-----	635. 97
T. 31 N., R. 15 E., near SE. cor. sec. 31, 100 ft. N. and 25 ft. W. from junction of T-rd. W., in root on S. side of small cherry tree; copper nail and washer-----	651. 13
T. 30 N., R. 10 W., 0.22 mi. N. of SE. cor. sec. 6, 38 ft. S. and 30 ft. W. from stone marking W. cor. secs. 24 and 25, T. 31 N., R. 10 W., 25 ft. S. and 20 ft. W. from junction of T-rd. E., on W. side of rd., at fence line; standard iron post with bronze cap stamped "Prim Trav Sta No 46 W 1921 A 79"-----	644. 108
T. 30 N., R. 10 W., 0.25 mi. N. of SE. cor. sec. 7, 85 ft. S. and 25 ft. W. from junction of T-rd. E., 15 ft. S. of gate on W. side of rd., in root 4 in. underground on E. side of 10-in. oak tree; copper nail and washer-----	670. 72
T. 31 N., R. 10 W., near SW. cor. sec. 36, 85 ft. N. and 45 ft. E. from junction of T-rd. E., in field, in root on NW. side of 24-in. oak tree; copper nail and washer ³ -----	672. 75
T. 30 N., R. 10 W., 0.18 mi. N. of E $\frac{1}{4}$ cor. sec. 30, 1.5 mi. E. of Hopkins Park, 950 ft. N. of junction of T-rd. W., 530 ft. N. of junction of private rd. E., 150 ft. S. of dwelling, on W. side of rd., at fence corner; standard tablet stamped "80 A 1922" (recovered in 1936)-----	671. 974
Reference mark, 50 ft. NW. of tablet, in field, in root on NW. side of lone oak tree; copper nail and washer-----	672. 85

³ This bench mark is in Indiana.

T. 30 N., R. 10 W., 0.25 mi. N. of SE. cor. sec. 30, at junction of T-rd. E., on W. bridge seat of S. abutment of bridge; chiseled square (recovered in 1936)-----	Feet 668.01
T. 30 N., R. 10 W., near W. cor. secs. 13 and 24, 100 ft. S. and 40 ft. E. from junction of T-rd. E., 10 ft. W. of fence line on E. side of rd., in root 3 in. underground on NE. side of 24-in. oak tree; copper nail and washer ⁴ -----	669.68
T. 30 N., R. 10 W., 0.2 mi. S. of NW. cor. sec. 24, 25 ft. N. and 20 ft. E. from junction of T-rd. W., in root on S. side of three cotton-wood trees growing together; copper nail and washer ⁴ -----	668.11
T. 30 N., R. 10 W., 0.25 mi. S. of NW. cor. sec. 25, 20 ft. E. of center line of rd., in line with rd. W., in concrete post; aluminum tablet stamped "Prim Trav Sta No. 47 W 1921 A 81" (recovered in 1934) ⁴ ---	671.154
Reference mark, 30 ft. S. of tablet, in root on NW. side of 12-in. oak tree; copper nail and washer (recovered in 1934) ⁴ -----	670.68
T. 29 N., Rs. 10 and 11 W., near N. cor. secs. 7 and 12, on S. side of rd., opposite fourth-class rd. N., at fence corner, in root 3 in. underground on NE. side of 15-in. oak tree; copper nail and washer---	683.96
T. 29 N., R. 11 W., near SE. cor. sec. 2, 190 ft. N. and 140 ft. W. from junction of T-rd. S., 160 ft. N. of SW. corner of schoolyard, in root 2 ft. from trunk on S. side of three-forked oak tree; copper nail and washer-----	661.94
T. 29 N., R. 11 W., near SW. cor. sec. 2, 24 ft. N. and 45 ft. E. from crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 48 W 1921 A 82"-----	653.920
Reference mark, 500 ft. E. of iron post, on SE. concrete wing wall of bridge over drainage ditch, 15 in. S. of bridge seat; chiseled square-----	653.75
T. 29 N., R. 11 W., 50 ft. S. and 160 ft. W. from NE. cor. sec. 9, 0.5 mi. S. and 0.4 mi. E. from Pembroke, in field, 25 ft. S. of fence, line, in root on SE. side of 24-in. willow tree; copper nail and washer-----	658.05
Pembroke, 0.5 mi. S. and 0.8 mi. W. from, 0.2 mi. S. and 4.8 mi. E. from St. Anne, at Whittemore School, 0.25 mi. W. of NE. cor. sec. 8, T. 29 N., R. 11 E., in SE. angle of crossroads, at NW. corner of schoolyard, in root on W. side of small double-trunked maple tree; copper nail and washer-----	642.54
St. Anne, 0.2 mi. S. and 4.0 mi. E. from, near S. cor. secs. 5 and 6, T. 29 N., R. 11 W., 35 ft. N. of center line of rd., at N.-S. fence line, in root on SE. side of 24-in. willow tree; copper nail and washer-----	638.38
St. Anne, 0.2 mi. S. and 3.1 mi. E. from, 10 ft. S. of NE. cor. sec. 12, T. 29 N., R. 12 W., at S. end of jog in E.-W. rd., on S. side of rd., in line with W. fence of old rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 49 W 1921 A 83"-----	632.842
Reference mark, 60 ft. S. of center line of rd. E., at fence corner on N. side of rd. W., in root on NE. side of 36-in. willow tree; copper nail and washer-----	632.77

⁴ This bench mark is in Indiana.

4. From road junction 2.4 miles south of Illinois north along Illinois-Indiana State line to point 1.3 miles north and 1 mile east from Sherburnville (by S. R. Archer in 1922; portion south of Illinois releveled in 1928)

Illinois, 1.5 mi. S. of, 175 ft. N. and 50 ft. W. from N. end of highway bridge over Kankakee River, 30 ft. S. and 25 ft. W. from fence corner, in field, in root on E. side of 12-in. elm tree; copper nail and washer -----	<i>Feet</i> 626. 13
Illinois, 1.5 mi. S. of, at highway bridge over Kankakee River, on top of E. end of E. parapet of N. concrete abutment; chiseled square -----	631. 15
Illinois, 1.3 mi. S. of, in NW¼ sec. 1, T. 31 N., R. 10 W., at bridge over drainage ditch, on NE. corner of E. end of bridge seat of N. abutment; chiseled square -----	628. 86
Illinois, 0.8 mi. S. of, 0.25 mi. N. of SW cor. sec. 36, T. 32 N., R. 10 W., in SE. angle of crossroads, on large stone; chiseled square -----	629. 18
Illinois, 160 ft. N. of crossing of New York Central R. R., at NW. corner of highway bridge over creek, on head of second rivet from N. end of angle iron at foot of bridge seat and resting on top of circular pier, 4 in. N. of head of anchor bolt extending into pier; chiseled cross and letters "B M" ⁵ -----	629. 20
Illinois, 0.4 mi. N. of, near W¼ cor. sec. 25, T. 32 N., R. 10 W., 400 ft. N. of junction of T-rd. W., on E. side of rd., 180 ft. S. of dwelling, 40 ft. N. of SW. corner of orchard, inside fence, in root on W. side of 8-in. boxelder tree; copper nail and washer -----	627. 71
Illinois, 1.4 mi. N. of, near W¼ cor. sec. 24, T. 32 N., R. 10 W., 30 ft. S. and 25 ft. W. from junction of T-rd. E., 2 ft. E. of Illinois-Indiana State line; standard iron post with bronze cap stamped "Prim Trav Sta No 44 W 1921 A 85" -----	633. 425
Reference mark, 400 ft. S. of iron post, on W. side of rd., at fence corner, in root on N. side of 12-in. maple tree; copper nail and washer -----	631. 83
Illinois, 2.8 mi. N. of, 1.0 mi. E. of Sherburnville, 0.12 mi. S. of NW. cor. sec. 13, T. 32 N., R. 10 W., 20 ft. S. and 30 ft. E. from crossroads, in fence line along SE. side of rd., 15 ft. NE. of fence corner, in root on NW. side of forked cherry tree; copper nail and washer -----	697. 81
Sherburnville, 1.0 mi. E. and 0.9 mi. N. from, 700 ft. S. of E¼ cor. fractional sec. 20, T. 32 N., R. 15 E., 235 ft. S. of culvert over ditch, on W. side of rd., at fence line, in root on NW. side of 10-in. apple tree; copper nail and washer -----	664. 86

[Continued in Crete quadrangle, line 1]

5. From Momence north along Dixie Highway and road to point 0.6 mile north and 1 mile west from Grant Park (by S. R. Archer in 1922)

Momence, at SE. corner of high school grounds, 44 ft. W. of center line of Dixie Highway, 33 ft. N. of center line of Fourth Street, at corner of sidewalk, on W. side of diagonal walk leading NW. to buildings, in concrete post; standard tablet stamped "75 A 1 1922" (recovered in 1941; also recovered by U. S. C. & G. S. in 1934) ⁶ -----	626. 455
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------

⁵ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "M 27 1934," elevation 632.502 ft.

⁶ The recoveries indicate that this bench mark may be unstable.

Momence, in S. part of, 40 ft. W. of NE. corner of grounds of Loraine School, on Dixie Highway, 35 ft. S. and 35 ft. W. from street intersection, on W. side of angle in walk leading to buildings; standard iron post with bronze cap stamped "75 A 2 1922" (recovered in 1941; also recovered by U. S. C. & G. S. in 1934) ⁷ -----	<i>Feet</i> 625. 835
Momence, at N. Y. C. R. R. sta., N. of tracks, on W. side of Dixie Highway, 2 ft. W. of NE. corner of sta. platform, on concrete curb; chiseled square-----	632. 56
Momence, 1.0 mi. N. of, near SE. cor. sec. 12, T. 31 N., R. 13 W., in NW. angle of crossroads, on N. head wall of concrete culvert under E.-W. rd., chiseled square-----	669. 31
Momence, 2.0 mi. N. of, at Chipman School, near NW. cor. sec. 7, T. 31 N., R. 14 E., 90 ft. S. of junction of T-rd. W., on E. side of highway, at front entrance to schoolhouse, on S. end of lower concrete step-----	689. 54
Momence, 3.0 mi. N. of, 2.0 mi. E. of Yeager, near SE. cor. sec. 36, T. 32 N., R. 13 E., in NW. angle of junction of T-rd. W., at fence corner; standard iron post with bronze cap stamped "76 A 1922"-----	687. 944
Reference mark, in NW. angle of junction of T-rd. W., on N. head wall of culvert under rd. W.; chiseled square-----	689. 96
Momence, 4.0 mi. N. of, at NW. cor. sec. 31, T. 32 N., R. 14 E., in SE. angle of crossroads, on S. head wall of concrete culvert under rd. E.; chiseled square-----	681. 95
Momence, 5.0 mi. N. of, 0.3 mi. S. and 1.0 mi. W. from Grant Park, near NE. cor. sec. 25, T. 32 N., R. 13 E., 270 ft. S. of crossroads, on W. head wall of culvert under highway; chiseled square-----	670. 03
[Connects with line 1 in Crete quadrangle]	
6. From crossroads 0.2 mile south and 1 mile west from St. Anne south along Dixie Highway 1.4 miles (by F. W. Butterfield in 1934)	
St. Anne, 1.2 mi. S. and 1.0 mi. W. from, 30 ft. S. of Iroquois-Kankakee county line, near NW. cor. sec. 16, T. 29 N., R. 12 W., on E. side of highway, in S. head wall of concrete culvert; monel-metal rivet-----	631. 72
[Continued in Watseka quadrangle, line 3]	
7. From road junction at east corner secs. 6 and 7, T. 29 N., R. 10 W., south along Illinois-Indiana State-line road to point 0.7 mile south of east corner of Iroquois and Kankakee Counties (by R. Whitford in 1934)	
T. 29 N., R. 10 W., near NE. cor. sec. 18, near NE. corner of Iroquois County, 100 ft. S. and 20 ft. W. from corner of line fence W., in root on E. side of 12-in. oak tree; nail-----	665. 03
[Continued in Watseka quadrangle, line 1]	

⁷ The recoveries indicate that this bench mark may be unstable.

MONTICELLO QUADRANGLE

[Latitude 40°00'–40°15'; longitude 88°30'–88°45']

DEWITT, MACON, AND PIATT COUNTIES

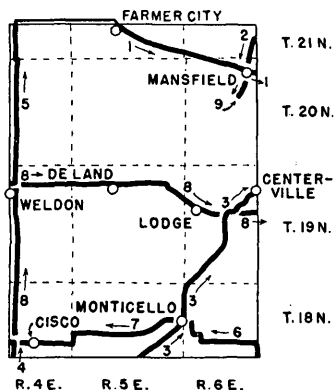


FIGURE 190.—Lines of leveling in Monticello quadrangle.

1. From Farmer City southeast by way of Harris along Cleveland, Cincinnati, Chicago & St. Louis Railway to Mansfield (by E. L. McNair in 1905; first-order leveling)

[Continued from Arrowsmith quadrangle, line 1]

Harris, 60 ft. W. of C. C. C. & St. L. Ry. sta., 4.6 mi. NW. of Mansfield, 16 ft. N. of center line of tracks; standard iron post with bronze cap designated "Y"-----

Feet
721.081

Mansfield, 270 ft. E. of intersection of C. C. C. & St. L. Ry. and Wabash Ry., in NE. corner of park at C. C. C. & St. L. Ry. sta.; 18 ft. S. of center line of track; standard iron post with bronze cap designated "Z" (recovered in 1924)-----

726.734

[Continued in Mahomet quadrangle, line 2]

2. From point 2 miles northeast of Mansfield southwest along Wabash Railway to Mansfield, thence southeast 0.5 mile along Cleveland, Cincinnati, Chicago & St. Louis Railway (by S. R. Archer in 1924; leveled twice)

[Continued from Mahomet quadrangle, line 4]

Mansfield, 1.7 mi. NE. of, 0.25 mi. W. of NE. cor. sec. 34, T. 21 N., R. 6 E., in SE. angle of intersection of E.-W. rd., 8 ft. S. and 2 ft. E. from highway and R. R. right-of-way fence corner, in NW. corner of field of S. J. Trimmer, in 30- by 10- by 8-in. limestone boulder; aluminum tablet stamped "Prim Trav Sta No 10 1905 754" (recovered by U. S. C. & G. S. in 1935)-----

754.024

Mansfield, 0.9 mi. NE. of, 0.23 mi. N. of S¼ cor. sec. 34, T. 21 N., R. 6 E., 0.23 mi. N. of rd. intersection, on W. side of track, opposite milepost "Chi. 131; St. L. 155," at semaphore block signal, on NE. corner of concrete foundation; chiseled square-----

744.34

Mansfield, 0.5 mi. N. of, 0.23 mi. S. of N $\frac{1}{4}$ cor. sec. 3, T. 20 N., R. 6 E., 0.23 mi. S. of intersection of E.-W. rd., at SE. corner of R. R. bridge 1362, on E. end of stone parapet; chiseled square-----	<i>Feet</i> 732. 05
Mansfield, in SW. angle of intersection of Wabash Ry. and C. C. C. & St. L. Ry., on E. side of operator's tower, on NW. corner of concrete foundation of semaphore block; chiseled square-----	729. 70

[Continued in Mahomet quadrangle, line 5]

3. From point 3.1 miles southwest of Monticello generally northeast along State Highway 47 and other roads to Centerville (by H. S. Sensesney in 1928)

[Continued from Bement quadrangle, line 1]

Monticello, 2.6 mi. SW. of, near E $\frac{1}{4}$ cor. sec. 22, T. 18 N., R. 5 E., 65 ft. SW. of junction of rd. S., on S. side of rd., in concrete post; standard tablet stamped "34 S 1928"-----	674. 394
Reference mark, 435 ft. SW. of tablet, on S. end of culvert; chiseled square-----	668. 29
Monticello, 1.5 mi. SW. of, in SE $\frac{1}{4}$ sec. 14, T. 18 N., R. 5 E., about 0.2 mi. SE. of bend in Sangamon River, on N. side of rd., on culvert; chiseled square-----	657. 35
Monticello, at NW. corner of intersection of Market and Marion Streets, at power pole, on curb; chiseled square (recovered in 1935)-----	660. 60
Monticello, at Piatt County courthouse, on W. side of S. entrance, in upper step; standard tablet stamped "41 S 1928" (recovered in 1936; also recovered by U. S. C. & G. S. in 1935)-----	675. 005
Monticello, in Chautauqua Park, 85 ft. E. of SE. corner of grandstand, 75 ft. N. of driveway, in concrete post; U. S. C. & G. S. standard magnetic-station disk-----	668. 010
Monticello, 260 ft. S. of previous mark, in concrete post; U. S. C. & G. S. standard magnetic-station disk-----	669. 083
Monticello, 2.3 mi. N. of, near S $\frac{1}{4}$ cor. sec. 31, T. 19 N., R. 6 E., in NE. corner of rd. junction, on culvert; chiseled square-----	673. 57
Monticello, 3.5 mi. NE. of, at Slabtown School, 0.25 mi. E. of SW. cor. sec. 29, T. 19 N., R. 6 E., in SW. corner of schoolyard, 20 ft. NE. of fence corner, in concrete post; standard tablet stamped "35 S 1928"-----	674. 267
Reference mark, 105 ft. NE. of tablet, on SW. corner of concrete platform of pump; chiseled square-----	674. 84
Monticello, 5.0 mi. NE. of, 1.0 mi. W. of White Heath, in NW $\frac{1}{4}$ sec. 28, T. 19 N., R. 6 E., 155 ft. S. of S. end of Y-rd. junction, on W. end of culvert; chiseled square-----	700. 12
Monticello, 5.8 mi. NE. of, 1.0 mi. S. and 1.2 mi. E. from Lodge, in NW $\frac{1}{4}$ sec. 21, T. 19 N., R. 6 E., at bridge over Sangamon River, in E. end of S. abutment; standard tablet stamped "43 S 1928"-----	654. 680
Reference mark, 100 ft. N. of tablet, on E. end of center pier; chiseled square-----	654. 04
Sangamon River; surface of water Sept. 17, 1928-----	641. 6
Lodge, 0.3 mi. N. and 2.0 mi. E. from, 1.3 mi. SW. of Centerville, near E. cor. secs. 9 and 16, T. 19 N., R. 6 E., on W. side of rd., at junction of T-rd E., in concrete post; standard tablet stamped "36 S 1928"-----	678. 275

⁷In 1940 this bench mark was moved 16 ft. S.89°10'W. from this position and reset at an elevation 1.129 ft. lower than that originally determined. The figures given represent the new elevation.

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Reference mark, 1,400 ft. E. of tablet, on N. side of rd., opposite lane S., in root of tree; copper nail and washer (recovered in 1936)	Feet 689.62
Centerville, 370 ft. W. of store, in SE. angle of junction of T-rd. S., on culvert; chiseled square-----	686.79
[Continued in Mahomet quadrangle, line 9]	
4. From point 0.8 mile south and 1 mile west from Cisco north 0.8 mile along Macon-Piatt county-line road, thence west 0.2 mile (by E. W. Gouchenour in 1929)	
[Continued from Bement quadrangle, line 2]	
Cisco, 1.0 mi. W. of, near SW. cor. sec. 15, T. 18 N., R. 4 E., 25 ft. N. and 35 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 42 Mac 1923" ^s -----	684.335
[Continued in Maroa quadrangle, line 2]	
5. From point about 0.5 mile north of Weldon east 0.2 mile along State Highway 10 to intersection of State Highway 48, thence north along highway and other roads to point 0.3 mile north and 5.4 miles west from Farmer City (by O. T. Dobyns in 1934; releveled by S. R. Archer in 1936)	
[Continued from Maroa quadrangle, line 7]	
Weldon, 0.5 mi. N. of, near SE. cor. sec. 4, T. 19 N., R. 4 E., 140 ft. W. of intersection of State Highway 10, 3 ft. S. of N. right-of-way fence along N. side of highway W., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "714"-----	713.521
Weldon, 0.9 mi. N. of, 0.13 mi. S. of E $\frac{1}{4}$ cor. sec. 4, T. 19 N., R. 4 E., on S. end of W. head wall of concrete culvert; chiseled square---	712.68
Weldon, 1.5 mi. N. of, near SE. cor. sec. 33, T. 20 N., R. 4 E., 25 ft. N. and 65 ft. W. from crossroads, 5 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No. 48 Mac 1923 716"-----	716.091
Weldon, 2.9 mi. N. of, at Bosserman School, 0.1 mi. S. of W $\frac{1}{4}$ cor. sec. 27, T. 20 N., R. 4 E., 145 ft. N. of private rd. E., on E. side of highway, at NW. corner of schoolyard, 2.5 ft. NW. of fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "723"-----	722.601
Reference mark, 655 ft. N. of tablet, 20 ft. N. of junction of T-rd. W., on S. end of E. head wall of concrete culvert; chiseled square---	724.72
Weldon, 3.6 mi. N. of, 0.14 mi. N. of SE. cor. sec. 21, T. 20 N., R. 4 E., on S. end of W. head wall of concrete culvert; chiseled square-----	731.04
Weldon, 4.3 mi. N. of, 970 ft. S. of NW. cor. sec. 22, T. 20 N., R. 4 E., 90 ft. S. and 40 ft. E. from junction of rd. E., in concrete post; standard tablet stamped "Prim Trav Sta No 49 Mac 1923 731"-----	730.712
Weldon, 4.7 mi. N. of, 0.18 mi. N. of SW. cor. sec. 15, T. 20 N., R. 4 E., at bridge over Salt Creek, on E. parapet of N. concrete abutment; chiseled square-----	690.97
Weldon, 5.7 mi. N. of, 0.4 mi. S. of Fullerton, 0.18 mi. N. of SW. cor. sec. 10, T. 20 N., R. 4 E., in NE. angle of crossroads, on E. end of N. head wall of concrete culvert under rd. E.; chiseled square----	745.82
Fullerton, at sta., 500 ft. S. of intersection of Illinois Central R. R. and N-S. rd., about 0.1 mi. N. of quarter corner between secs. 9 and 10, T. 20 N., R. 4 E., at SW. corner of triangle at rd. junction, at point where State Highway 48 curves NE., on N. end of W. head wall of concrete culvert under rd. N.; chiseled square-----	751.71

^s In 1936 this bench mark was reported destroyed.

Fullerton, 1.0 mi. N. of, 1.3 mi. W. of Parnell, about 500 ft. E. of SW. cor. sec. 34, T. 21 N., R. 4 E., 25 ft. N. of junction of E.-W. rd., in concrete post; standard tablet stamped "Prim Trav Sta No 50 Mac 1923 748"-----	<i>Feet</i> 747. 530
Parnell, 1.4 mi. W. thence 1.0 mi. N. from, 0.5 mi. S. and 5.4 mi. W. from Farmer City, at Turner School, near NE. cor. sec. 33, T. 21 N., R. 4 E., in SW. angle of crossroads, on E. side of entrance to schoolhouse, 7 in. lower than porch floor, on W. corner of N. end of lower step; chiseled square-----	749. 89
[Connects with line 2 in Arrowsmith quadrangle]	
6. From point 1.8 miles south and 3.9 miles east from Monticello alternately west and north along roads to Monticello (by S. R. Archer in 1935)	
[Continued from Bement quadrangle, line 7]	
Monticello, 1.0 mi. S. and 3.9 mi. E. from, near NW. cor. sec. 23, T. 18 N., R. 6 E., at crossroads, 25 ft. S. and 30 ft. E. from junction of rd. S., 10 ft. E. of fence corner, on N. side of fence; standard iron post with bronze cap stamped "699"-----	698. 997
Monticello, 1.0 mi. S. and 2.9 mi. E. from, near SW. cor. sec. 15, T. 18 N., R. 6 E., 25 ft. N. and 100 ft. E. from junction of T-rd. S., 145 ft. E. of E. end of bridge, 37 ft. E. of E. gatepost in fence on N. side of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "692"-----	691. 977
Reference mark, 120 ft. W. of disk, 20 ft. W. of rd. junction, 25 ft. E. of E. end of bridge, on E. end of NE. wing wall; chiseled square-----	693. 93
Monticello, 1.0 mi. S. and 2.3 mi. E. from, near N¼ cor. sec. 21, T. 18 N., R. 6 E., 350 ft. W. of crossroads, on S. side of rd., in fence line, in root on S. side of 24-in. elm tree; copper nail and washer--	705. 85
Monticello, 1.0 mi. S. and 1.4 mi. E. from, near N¼ cor. sec. 20, T. 18 N., R. 6 E., in SW. angle of junction of T-rd. S., on W. concrete head wall of culvert under rd. S.; chiseled square-----	728. 24
Monticello, 1.0 mi. S. and 0.9 mi. E. from, near SE. cor. sec. 18, T. 18 N., R. 6 E., 15 ft. N. and 25 ft. W. from right angle in highway, 12 ft. N. and 1.5 ft. W. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 39 Mac 1923 735"-----	735. 140
Monticello, 0.5 mi. S. and 0.9 mi. E. from, near W¼ cor. sec. 17, T. 18 N., R. 6 E., 10 ft. N. and 30 ft. E. from right angle in highway, in SW. corner of farmyard, in root on W. side of 30-in. ash tree; copper nail and washer-----	720. 74
Monticello, at SE. part of, just W. of junction of T-rd. N., 8 ft. S. of S. side of small bridge, on W. end of S. wall of large concrete catch basin; chiseled square-----	680. 62
7. From Monticello west along Illinois Central Railroad 1.2 miles, thence alternately south and west along roads to point 1.2 miles west of Cisco (by S. R. Archer in 1936)	
U. S. C. & G. S. standard disk stamped "E 23 1934"-----	678. 686
Monticello, 1.2 mi. W. of Piatt County courthouse, about 0.2 mi. SE. of W¼ cor. sec. 12, T. 18 N., R. 5 E., at W. abutment of R. R. bridge over Sangamon River, on N. corner of NW. end of stone bridge seat; chiseled square (elevation determined by U. S. C. & G. S. in 1935) °-----	642. 761

° Established by water-resources branch in 1909 in connection with the operation of a gaging station, and designated "B M 1."

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Monticello, 1.8 mi. SW. of, about 0.25 mi. W. of E. cor. secs. 13 and 14, T. 18 N., R. 5 E., near intersection of section line, on S. side of lane E., 2 ft. W. of fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "667"-----	<i>Feet</i> 666.696
Monticello, 2.6 mi. SW. of, near quarter corner between secs. 14 and 15, T. 18 N., R. 5 E., 200 ft. W. of angle in highway, on N. side of rd., at fence line, in notch in trunk on N. side of 6-in. hackberry tree; copper nail and washer-----	653.64
Monticello, 0.5 mi. S. and 2.8 mi. W. from, 0.25 mi. E. of W $\frac{1}{4}$ cor. sec. 15, T. 18 N., R. 5 E., 125 ft. W. of schoolhouse, 30 ft. S. and 20 ft. W. from junction of T-rd. N., 20 ft. W. of NW. corner of schoolyard, 15 ft. W. of driveway S., 1 ft. N. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 40 Mac 1923 673"-----	673.300
Monticello, 0.5 mi. S. and 3.3 mi. W. from, 0.25 mi. E. of center of sec. 16, T. 18 N., R. 5 E., 240 ft. W. of junction of rd. SW., on W. end of S. head wall of concrete culvert; chiseled square-----	663.18
Monticello, 0.5 mi. S. and 3.8 mi. W. from, 0.2 mi. E. of W $\frac{1}{4}$ cor. sec. 16, T. 18 N., R. 5 E., on N. side of highway, at N. end of highway culvert, on N. side of ditch, on W. end of retaining wall; chiseled square-----	678.39
Monticello, 0.5 mi. S. and 4.5 mi. W. from, 0.5 mi. N. and 3.5 mi. E. from Cisco, near center of sec. 17, T. 18 N., R. 5 E., 110 ft. E. of junction of T-rd. S., on N. side of highway, 65 ft. E. of fence corner, 2 ft. S. of fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "689"-----	688.570
Cisco, 0.5 mi. N. and 2.7 mi. E. from, 0.21 mi. E. of center of sec. 18, T. 18 N., R. 5 E., 185 ft. W. of sixteenth corner, on W. end of S. concrete head wall of culvert; chiseled square-----	679.72
Cisco, 2.0 mi. E. thence 0.5 mi. N. from, near W $\frac{1}{4}$ cor. sec. 18, T. 18 N., R. 5 E., 125 ft. N. of junction of N-S. rd., 65 ft. N. and 35 ft. E. from intersection of I. C. R. R., at NE. corner of R. R. and highway rights-of-way, in root on NE. side of large forked hedge tree; copper nail and washer-----	676.24
Cisco, 2.0 mi. E. of, near NE. cor. sec. 24, T. 18 N., R. 4 E., 75 ft. SE. of schoolhouse, 25 ft. S. and 65 ft. W. from junction of T-rd. W., 6 ft. N. of fence line, 4 ft. W. of concrete signpost, in concrete post; standard tablet stamped "Prim Trav Sta No 41 Mac 1923 676"-----	675.589
Cisco, 1.0 mi. E. of, near SE. cor. sec. 14, T. 18 N., R. 4 E., 30 ft. W. of crossroads, on N. side of rd., 8.3 ft. W. of fence corner, 2.5 ft. E. of first post W., 3 in. S. of fence line; top of 36-in. angle iron driven flush with ground-----	685.48
Cisco, 200 ft. W. of sta., 305 ft. W. of intersection of Illinois Central R. R. and main N-S. street, 22 ft. N. and 30 ft. E. from first street crossing W. of sta., 7 ft. N. of N. rail of switch, 1.5 ft. E. of line extended from inside edge of sidewalk along E. side of street S. of R. R., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "689"-----	689.098
Cisco, 1.0 mi. W. of, near NW. cor. sec. 22, T. 18 N., R. 4 E., 18 ft. S. and 60 ft. E. from crossroads, on E. end of S. head wall of concrete culvert; chiseled square-----	685.04

[Connects with line 2 in Maroa quadrangle]

8. From crossroads 1 mile west of Cisco north along State Highway 48 to point 0.5 mile north of Weldon, thence generally east along State Highway 10 to point 1.2 miles south of Centerville (by S. R. Archer in 1936)

Cisco, 1.0 mi. W. thence 0.1 mi. N. from, 0.12 mi. N. of SW. cor. sec. 15, T. 18 N., R. 4 E., about 650 ft. N. of crossroads, at NE. corner of bridge over drainage ditch, at foot, on inside at N. end of E. side wall, in N. end of concrete wheel guard; standard tablet stamped "684"-----	Feet 683. 681
Cisco, 1.0 mi. W. thence 1.0 mi. N. from, near NW. cor. sec. 15, T. 18 N., R. 4 E., 100 ft. S. and 38 ft. E. from crossroads, 2 ft. W. of E. right-of-way fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "690"-----	689. 455
Cisco, 1.0 mi. W. thence 2.0 mi. N. from, near SE. cor. sec. 4, T. 18 N., R. 4 E., in NW. angle of crossroads, on W. end of N. head wall of culvert under rd. W.; chiseled square-----	692. 80
Cisco, 1.0 mi. W. thence 3.0 mi. N. from, 290 ft. S. of NW. cor. sec. 3, T. 18 N., R. 4 E., 290 ft. S. of crossroads, at NE. corner of concrete bridge, on inside of N. end of E. side wall, on N. end of E. wheel guard; chiseled square-----	685. 28
Cisco, 1.0 mi. W. thence 3.5 mi. N. from, near W $\frac{1}{4}$ cor. sec. 34, T. 19 N., R. 4 E., on E. parapet of S. abutment of concrete bridge; chiseled square-----	685. 66
Cisco, 1.0 mi. W. thence 4.0 mi. N. from, 3.5 mi. S. of Weldon, at Prospect School, near NW. cor. sec. 34, T. 19 N., R. 4 E., 220 ft. S. of crossroads, 38 ft. E. of center line of highway, 3.7 ft. S. and 1.7 ft. W. from SW. corner of schoolyard, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "694"-----	693. 891
Reference mark, 300 ft. N. of tablet, 75 ft. N. of crossroads, on E. parapet of N. abutment of concrete bridge; chiseled square-----	690. 95
Weldon, 2.4 mi. S. of, 660 ft. N. of SW. cor. sec. 22, T. 19 N., R. 4 E., 660 ft. N. of junction of T-rd. E., on E. parapet of N. concrete abutment of bridge; chiseled square-----	692. 24
Weldon, 1.5 mi. S. of, at Lincoln School, near SW. cor. sec. 15, T. 19 N., R. 4 E., 190 ft. N. and 40 ft. E. from crossroads, 45 ft. S. of center line of driveway, 40 ft. W. of NW. corner of schoolhouse, outside of schoolyard fence, in concrete post; standard tablet stamped "Prim Trav Sta No 47 Mac 1923 703"-----	702. 890
Weldon, 0.5 mi. S. of, near SW. cor. sec. 10, T. 19 N., R. 4 E., in NE. angle of crossroads, on N. head wall of concrete culvert under rd. E.; chiseled square-----	709. 77
Weldon, at E. edge of, 125 ft. S. of junction of T-street W., 35 ft. N. of intersection of Illinois Central R. R., on N. end of E. head wall of concrete culvert; chiseled square-----	710. 99
Weldon, 0.5 mi. N. thence 0.9 mi. E. from, 0.09 mi. W. of NE. cor. sec. 10, T. 19 N., R. 4 E., 470 ft. W. of crossroads, on S. parapet of E. abutment of concrete bridge; chiseled square-----	707. 83
Weldon, 0.5 mi. N. thence 1.7 mi. E. from, 0.2 mi. E. of S $\frac{1}{4}$ cor. sec. 2, T. 19 N., R. 4 E., 300 ft. W. of sixteenth corner, 0.3 mi. W. of junction of T-rd. N., on N. side of highway, 2.5 ft. S. of N. right-of-way fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "707"-----	706. 784

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Weldon, 0.5 mi. N. thence 2.0 mi. E. from, near SE. cor. sec. 2, T. 19 N., R. 4 E., 95 ft. W. of T-rd. N., on N. side of highway, 65 ft. W. of fence corner, 1.7 ft. S. of N. right-of-way fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "709"-----	Feet 709. 229
Reference mark, in NE. angle of rd. junction, on E. head wall of concrete culvert under rd. N.; chiseled square-----	711. 07
De Land No. 2 triangulation sta. (U. S. C. & G. S.), 0.5 mi. S. thence 3.0 mi. E. from Weldon, near SW. cor. sec. 6, T. 19 N., R. 5 E., near De Witt-Piatt county line, 175 ft. N. and 310 ft. E. from crossroads, 100 ft. N. and 40 ft. E. from NE. corner of farmhouse, 5 ft. S. of NE. corner of yard, on E. side of fence, in concrete post; U. S. C. & G. S. standard triangulation-station disk stamped "De Land No 2 1934"-----	707. 888
Weldon, 0.5 mi. N. thence 3.0 mi. E. from, near NW. cor. sec. 7, T. 19 N., R. 5 E., near De Witt-Piatt county line, in SE. angle of crossroads, on E. end of E. head wall of concrete culvert under rd. S.; chiseled square ¹⁰ -----	708. 70
Weldon, 0.5 mi. N. thence 3.8 mi. E. from, 0.4 mi. N. thence 1.5 mi. W. from De Land, at Western School, 0.25 mi. W. of SE. cor. sec. 6, T. 19 N., R. 5 E., 265 ft. E. of crossroads, on N. side of highway, at SE. corner of schoolyard, 2.5 ft. S. and 1.5 ft. E. from fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "704"-----	703. 507
Reference mark, 45 ft. E. of crossroads, on N. side of rd., at SW. corner of schoolyard, on E. concrete head wall of concrete culvert under driveway; chiseled square-----	704. 31
De Land, 0.4 mi. N. thence 1.2 mi. W. from, near SW. cor. sec. 5, T. 19 N., R. 5 E., 760 ft. W. of concrete bridge, on N. side of highway, 2 ft. S. of N. right-of-way fence line, 9.5 ft. E. of electric line pole, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "705"-----	704. 612
De Land, 0.4 mi. N. thence 1.1 mi. W. from 0.18 mi. E. of NW. cor. sec. 8, T. 19 N., R. 5 E., 350 ft. W. of T-rd. S., on S. parapet of E. abutment of concrete bridge; chiseled square-----	697. 05
De Land, 0.4 mi. N. thence 0.2 mi. W. from, near NW. cor. sec. 9, T. 19 N., R. 5 E., at NW. corner of De Land Cemetery, on S. parapet of E. abutment of concrete bridge; chiseled square-----	696. 70
De Land, at N. edge of, 60 ft. E. of junction of T-street S., on E. end of N. head wall of concrete culvert; chiseled square-----	703. 93
De Land, 0.4 mi. N. thence 0.3 mi. E. from, near S¼ cor. sec. 4, T. 19 N., R. 5 E., 45 ft. N. and 15 ft. E. from junction of T-rd. N., on S. end of E. head wall of concrete culvert; chiseled square-----	699. 54
De Land, 0.4 mi. N. thence 0.7 mi. E. from, near SW. cor. sec. 3, T. 19 N., R. 5 E., 90 ft. E. of junction of T-rd. S., on N. side of highway, 75 ft. W. of driveway to farmhouse, 2.5 ft. S. of N. right-of-way fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "707"-----	706. 705
De Land, 0.4 mi. N. thence 1.0 mi. E. from, 0.28 mi. E. of SW. cor. sec. 3, T. 19 N., R. 5 E., 185 ft. E. of sixteenth corner, on N. side of highway, 63 ft. W. of electric line pole, 3 ft. S. of N. right-of-way fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "706"-----	705. 972

¹⁰ Established as a reference mark to U. S. C. & G. S. standard triangulation-station disk stamped "De Land No 2 1934."

De Land, 0.4 mi. N. thence 1.8 mi. E. from, near NW. cor. sec. 11, T. 19 N., R. 5 E., in SE. angle of crossroads, on E. head wall of concrete culvert under rd. S.; chiseled square-----	<i>Feet</i> 707.44
De Land, 0.4 mi. N. thence 2.4 mi. E. from, 2.6 mi. NW. of Lodge, 300 ft. S. and 0.23 mi. W. from NE. cor. sec. 11, T. 19 N., R. 5 E., 900 ft. SE. of rd. junction, near SE. end of curve in highway, 230 ft. NW. of beginning of long tangent to SE., 130 ft. SE. of private rd. crossing, 130 ft. SE. of SE. cor. of corner, 25 ft. NW. of power-line pole, at NE. right-of-way fence line of State highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "706"-----	705.828
Reference mark, 140 ft. E. of rd. junction, at curve SE. in highway, on E. end of S. head wall of concrete culvert under highway; chiseled square -----	707.34
Lodge, 2.2 mi. NW. of, about 0.2 mi. S. of NE. cor. sec. 11, T. 19 N., R. 5 E., 160 ft. NW. of crossroads, 110 ft. NW. of fence corner, 13 ft. NW. of power-line pole, 2.7 ft. S. of right-of-way fence line along NE. side of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "705"-----	705.387
Reference mark, 180 ft. SE. of tablet, in SE. angle of crossroads, on E. end of S. head wall of concrete culvert; chiseled square-----	707.92
Lodge, 1.0 mi. NW. of, about 0.25 mi. N. of SW. cor. sec. 7, T. 19 N., R. 6 E., in SE. angle of crossroads, 45 ft. N. of intersection of I. C. R. R. and rd. S., on NE. end of E. head wall of concrete culvert under rd. S.; chiseled square-----	698.74
U. S. C. & G. S. standard disk stamped "B 23 1934"-----	700.589
Lodge, about 0.3 mi. SE. of intersection of Wabash Ry. and I. C. R. R., 130 ft. SE. of intersection of I. C. R. R. and E.-W. rd., 65 ft. NW. of switchstand, at NE. right-of-way line of R. R., 35 ft. SE. of fence corner, 6 ft. E. of telegraph pole, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "697"-----	696.839
Reference mark, 170 ft. W. of rd. fork, 150 ft. E. of intersection of I. C. R. R. and E.-W. rd., at SW. corner of triangular plot between rds., on W. end of N. head wall of concrete culvert; chiseled square--	698.53
Lodge, 0.3 mi. SE. thence 0.3 mi. E. from, near center of sec. 17, T. 19 N., R. 6 E., 0.35 mi. E. of intersection of I. C. R. R. and E.-W. rd., 0.22 mi. W. of concrete bridge and junction of rd. NW., 470 ft. W. of driveway to farmhouse on N. side of highway, 165 ft. W. of hedge fence N., 100 ft. E. of power-line pole, near N. right-of-way line of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "683"-----	683.577
Lodge, 0.3 mi. SE. thence 0.5 mi. E. from, 0.25 mi. E. of center of sec. 17, T. 19 N., R. 6 E., 100 ft. E. of junction of rd. NW., on S. wing wall of E. abutment of concrete bridge; chiseled square-----	659.95
Lodge, 0.3 mi. SE. thence 1.0 mi. E. from, 0.25 mi. W. of center of sec. 16, T. 19 N., R. 6 E., 65 ft. W. of junction of T-rd. S., on E. end of N. head wall of concrete culvert; chiseled square-----	688.86
Lodge, 0.3 mi. SE. thence 1.5 mi. E. from, 0.25 mi. E. of center of sec. 16, T. 19 N., R. 6 E., 45 ft. S. and 90 ft. W. from junction of rd. NE., in root on S. side of 10-in. oak tree; copper nail and washer-----	670.87
Lodge, 0.3 mi. SE. thence 1.8 mi. E. from, 1.2 mi. S. thence 1.0 mi. W. from Centerville, near quarter corner between secs. 15 and 16, T. 19 N., R. 6 E., at W. end of W. approach of bridge over Sangamon River, on S. end of W. concrete abutment; chiseled square-----	664.10

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Centerville, 1.2 mi. S. thence 0.9 mi. W. from, 0.15 mi. E. of W $\frac{1}{4}$ cor. sec. 15, T. 19 N., R. 6 E., at E. end of E. approach of bridge over Sangamon River, on S. end of E. concrete abutment; chiseled square-----	<i>Feet</i> 664. 01
Centerville, 1.2 mi. S. of, near W $\frac{1}{4}$ cor. sec. 14, T. 19 N., R. 6 E., in NE. angle of crossroads, in E. end of N. head wall of concrete culvert; standard tablet stamped "1936 698"-----	697. 466

[Continued in Mahomet quadrangle, line 12]

9. From Mansfield generally southwest along Wabash Railway 1.5 miles (by S. R. Archer in 1936)

U. S. C. & G. S. standard disk stamped "X 22 1934"-----	730. 432
Mansfield, 1.5 mi. SW. of, near E $\frac{1}{4}$ cor. sec. 16, T. 20 N., R. 6 E., 110 ft. S. and 25 ft. W. from crossroads, 90 ft. S. of fence corner, 65 ft. N. of stop sign, 2.5 ft. E. of W. highway right-of-way fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "729"-----	728. 998

NIANTIC QUADRANGLE

[Latitude 39°45'–40°00'; longitude 89°00'–89°15']

CHRISTIAN, LOGAN, MACON, AND SANGAMON COUNTIES

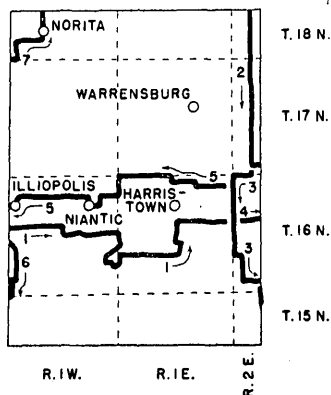


FIGURE 191.—Lines of leveling in Niantic quadrangle.

1. From point 1 mile south and 0.3 mile west from Illiopolis along roads generally east to point 3 miles west of Decatur (by P. E. Fletcher in 1908)

[Continued from Cornland quadrangle, line 1]

	<i>Feet</i>
Illiopolis, 1.0 mi. S. and 0.5 mi. E. from, 1.0 mi. S. and 3.5 mi. W. from Niantic, near W $\frac{1}{4}$ cor. sec. 17, T. 16 N., R. 1 W., in SE. angle of cross-roads, in concrete post; aluminum tablet-----	572. 104
Niantic, 1.5 mi. S. and 0.2 mi. W. from, 0.25 mi. E. of SW. cor. sec. 14, T. 16 N., R. 1 W., 150 ft. NW. of NW. corner of Walnut Cemetery, in concrete post; aluminum tablet-----	606. 684
Niantic, 2.5 mi. S. and 1.5 mi. E. from, near NW. cor. sec. 30, T. 16 N., R. 1 E., in SE. angle of crossroads, in concrete post; aluminum tablet-----	584. 342
Niantic, 1.5 mi. S. and 4.5 mi. E. from, 1.5 mi. S. of Harristown, at cor. secs. 15, 16, 21, and 22, T. 16 N., R. 1 E.; top of stone marking section corner-----	668. 52
Niantic, 0.5 mi. S. thence 4.8 mi. along State Highway 10 E. from, 0.7 mi. S. thence 0.8 mi. E. from Harristown, about 6.5 mi. W. of intersection of North Main Street and Wabash Ry. in Decatur, 20 ft. N. and 30 ft. W. from center of NE $\frac{1}{4}$ sec. 15, T. 16 N., R. 1 E., in concrete post; aluminum tablet-----	678. 507
Decatur, about 3 mi. W. of, 135 ft. W. of center of NW $\frac{1}{4}$ sec. 17, T. 16 N., R. 2 E., 30 ft. S. of pavement, in concrete post; aluminum tablet (recovered in 1929 and stamped "1 G 1929")-----	666. 246

[Continued in Decatur quadrangle, line 1]

1138 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

2. From point near quarter corner between secs. 19 and 20, T. 18 N., R. 2 E., along roads south to road junction 2.5 miles north and 3 miles west from Decatur, thence east 0.5 mile (by E. W. Gouchenour in 1929)

[Connects with line 3 in Kenney quadrangle]

T. 18 N., R. 2 E., near NW. cor. sec. 29, 50 ft. S. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 9 F 1929"	Feet 719. 627
T. 18 N., R. 2 E., near NE. cor. sec. 31, 3.3 mi. W. of Emery, 55 ft. S. and 25 ft. W. from crossroads, in root on SE. side of large elm tree; copper nail and washer	713. 69
T. 17 N., R. 2 E., near N. cor. secs. 5 and 6, at offset crossroads, 40 ft. S. and 25 ft. E. from junction of T-rd. N., on N. end of concrete culvert; chiseled square	710. 91
T. 17 N., R. 2 E., near SE. cor. sec. 6, 1.5 mi. N. and 3.0 mi. E. from Warrensburg, 50 ft. N. and 27 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 8 F 1929"	689. 660
Reference mark, 300 ft. S. and 12 ft. E. from crossroads, on E. hub guard of concrete bridge; chiseled square	690. 32
Warrensburg, 0.5 mi. N. and 3.0 mi. E. from, 0.3 mi. N. thence 3.3 mi. W. from Forsyth, near SE. cor. sec. 7, T. 17 N., R. 2 E., 26 ft. N. and 30 ft. W. from crossroads, on W. end of concrete culvert; chiseled square	691. 78
Warrensburg, 0.5 mi. S. and 3.0 mi. E. from, 65 ft. S. and 27 ft. W. from NE. cor. sec. 19, T. 17 N., R. 2 E., in root on E. side of large maple tree; copper nail and washer	694. 90
Warrensburg, 1.0 mi. S. and 3.0 mi. E. from, 4.5 mi. N. and 3.0 mi. W. from intersection of North Main Street and Wabash Ry. in Decatur, near W¼ cor. sec. 20, T. 17 N., R. 2 E., 45 ft. N. and 30 ft. E. from junction of T-rd. E., in concrete post; standard tablet stamped "T T Sta No 7 F 1929"	693. 490
Reference mark, 700 ft. S. of rd. junction, 40 ft. W. of center line of rd., inside fence of yard of farmhouse, in root on E. side of walnut tree; copper nail and washer	693. 97
Decatur, 3.5 mi. N. and 3.0 mi. W. from, near W¼ cor. sec. 29, T. 17 N., R. 2 E., 15 ft. S. and 30 ft. E. from junction of T-rd. E., on S. end of concrete culvert; chiseled square	688. 14
Decatur, 2.5 mi. N. and 3.0 mi. W. from, near E¼ cor. sec. 31, T. 17 N., R. 2 E., 305 ft. N. and 10 ft. W. from junction of T-rd. E., on W. end of concrete culvert; chiseled square	663. 56
Decatur, 2.5 mi. N. and 3.0 mi. W. from, near W¼ cor. sec. 32, T. 17 N., R. 2 E., 25 ft. S. and 30 ft. E. from junction of T-rd. E., on concrete base of corner post; chiseled square	672. 40

[Continued in Decatur quadrangle, line 4]

3. From road junction 2.5 miles north and 3 miles west from Decatur along roads generally south to point 1.2 miles north and 1 mile west from Elwin (by E. W. Gouchenour in 1929)

Decatur, 2.0 mi. N. and 3.9 mi. W. from intersection of North Main Street and Wabash Ry., 1.5 mi. N. and 3.0 mi. E. from Harristown, near SW. cor. sec. 31, T. 17 N., R. 2 E., 45 ft. N. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 10 F 1929" ¹¹	677. 977
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¹¹ In 1940 this bench mark was tied to U. S. C. & G. S. standard disk stamped "S 12 1933," elevation 679.618 ft.

Reference mark, 15 ft. S. and 30 ft. E. from crossroads, on S. end of concrete culvert; chiseled square ¹¹ -----	<i>Feet</i> 678. 93
Harristown, 3.0 mi. E. thence 0.5 mi. N. from, 0.6 mi. N. of Wyckles, near SW. cor. sec. 6, T. 16 N., R. 2 E., 36 ft. N. and 40 ft. E. from junction of T-rd. E., on concrete post; chiseled square ¹² -----	682. 54
Harristown, 3.0 mi. E. thence 0.5 mi. S. from, 0.4 mi. S. of Wyckles, near E. cor. secs. 12 and 13, T. 16 N., R. 1 E., 35 ft. W. of center line of rd., in fence line, in root on NE. side of 24-in. ash tree; copper nail and washer-----	670. 66
Harristown, 3.0 mi. E. thence 0.8 mi. S. from, 4.0 mi. W. of intersection of North Main Street and Wabash Ry. in Decatur, 0.2 mi. N. of W¼ cor. sec. 18, T. 16 N., R. 2 E., 200 ft. S. and 25 ft. E. from intersection of range-line rd. and State Highway 10, in concrete post; standard tablet stamped "T T Sta No 11 F 1929"-----	675. 516
Reference mark, 36 ft. S. and 15 ft. W. from crossroads, on W. hub guard of concrete culvert; chiseled square-----	676. 98
Decatur, 4.0 mi. W. thence 1.7 mi. S. from, 2.7 mi. N. and 2.5 mi. W. from Elwin, near NW. cor. sec. 30, T. 16 N., R. 2 E., 20 ft. S. and 20 ft. E. from junction of T-rd. E., in NW. corner of field, in concrete post; standard tablet stamped "25 S 1928" (T T sta)-----	602. 206
Reference mark, 300 ft. S. of rd. junction, on W. end of S. abutment of steel girder bridge; chiseled square-----	606. 71
Elwin, 1.7 mi. N. and 2.0 mi. W. from, near S¼ cor. sec. 30, T. 16 N., R. 2 E., 15 ft. N. and 36 ft. W. from junction of T-rd. E., in root on S. side of 10-in. walnut tree; copper nail and washer-----	670. 00
Elwin, 1.2 mi. N. and 2.0 mi. W. from, near center of sec. 31, T. 16 N., R. 2 E., 50 ft. N. and 30 ft. W. from rd. junction, on large concrete corner post of field; chiseled square-----	643. 60
Elwin, 1.2 mi. N. and 1.0 mi. W. from, near center of sec. 32, T. 16 N., R. 2 E., 20 ft. S. and 45 ft. E. from junction of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 12 F 1929"-----	701. 625

[Continued in Decatur quadrangle, line 6]

4. From crossroads about 4 miles west of intersection of North Main Street and Wabash Railway in Decatur east 1.5 miles along State Highway 10 (by E. W. Gouchenour in 1929)

Decatur, in suburban section, 3.0 mi. W. of Main Street, 20 ft. S. and 15 ft. W. from junction of T-rd. S. known as Price Street, on end of concrete culvert; chiseled square-----	654. 74
Decatur, 2.7 mi. W. of, at highway bridge over Stephens Creek, 16 ft. NW. of W. end, on N. wing of W. abutment; chiseled square-----	609. 99

[Continued in Decatur quadrangle, line 7]

5. From crossroads 1.5 miles north and 3 miles east from Harristown along roads generally west to point 0.3 mile west of Illiopolis (by W. C. Elledge in 1940)

Harristown, 1.0 mi. N. and 3.0 mi. E. from, near quarter corner between secs. 1 and 6, T. 16 N., Rs. 1 and 2 E., at junction of rd. W., on culvert; chiseled square-----	672. 35
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¹² In 1940 this bench mark was tied to U. S. C. & G. S. standard disk stamped "S 12 1933," elevation 679.618 ft.

1140 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Harristown, 1.0 mi. N. and 2.0 mi. E. from, near E $\frac{1}{4}$ cor. sec. 2, T. 16 N., R. 1 E., 22 ft. N. and 15 ft. W. from crossroads, on W. head wall of concrete culvert; chiseled square-----	<i>Feet</i> 684. 00
Harristown, 1.2 mi. N. thence 1.0 mi. E. from, 0.25 mi. N. of quarter corner between secs. 2 and 3, T. 16 N., R. 1 E., 46 ft. N. and 168 ft. E. from rd. junction, in root on W. side of 36-in. maple tree; copper nail and washer-----	681. 56
Harristown, 1.2 mi. N. of, 0.25 mi. S. of NW. cor. sec. 3, T. 16 N., R. 1 E., 21 ft. S. and 45 ft. E. from junction of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 1 E 1929"-----	685. 376
Harristown, 1.5 mi. N. and 1.0 mi. W. from, near N. cor. secs. 4 and 5, T. 16 N., R. 1 E., 9 ft. S. and 18 ft. E. from intersection of rd. tangents S. and W., on highest point of large rock; chiseled square-----	665. 11
Harristown, 1.5 mi. N. and 2.1 mi. W. from, near SE. cor. sec. 31, T. 17 N., R. 1 E., 15 ft. N. and 15 ft. W. from junction of T-rd. N., on angle of W. head wall of concrete culvert; chiseled square-----	629. 81
Harristown, 1.5 mi. N. and 3.1 mi. W. from, 1.5 mi. N. and 1.5 mi. E. from Illinois Terminal R. R. sta. in Niantic, near NW. cor. sec. 6, T. 16 N., R. 1 E., 34 ft. S. and 18 ft. E. from junction of T-rd. E., in concrete post; standard tablet stamped "T T Sta No 2 E 1929"-----	612. 977
Reference mark, 14 ft. N. and 92 ft. E. from rd. junction, on N. head wall of concrete culvert; chiseled square-----	612. 63
Niantic, 0.5 mi. N. and 1.5 mi. E. from, near NW. cor. sec. 7, T. 16 N., R. 1 E., 54 ft. S. and 26 ft. E. from junction of T-rd. W., in root on W. side of 24-in. elm tree; copper nail and washer-----	609. 51
Niantic, at NE. corner of, about 700 ft. N. of high school building, 30 ft. S. and 30 ft. E. from junction of T-rd. E., on end of NE. wing wall of concrete bridge; chiseled square-----	593. 06
U. S. C. & G. S. standard disk stamped "V 12 1933"-----	602. 194
Niantic, 0.5 mi. N. and 0.5 mi. W. from, near NE. cor. sec. 10, T. 16 N., R. 1 W., 15 ft. S. and 30 ft. W. from junction of T-rd. N., on S. head wall of concrete culvert; chiseled square-----	594. 35
Niantic, 0.5 mi. N. and 1.5 mi. W. from, near SE. cor. sec. 4, T. 16 N., R. 1 W., 0.5 mi. N. thence 2.5 mi. E. from Illiopolis, at Acorn School, 30 ft. N. and 50 ft. W. from crossroads, in SE. corner of schoolyard, in concrete post; standard tablet stamped "T T Sta No 3 E 1929 588"-----	588. 202
Illiopolis, 0.5 mi. N. thence 1.5 mi. E. from, near NW. cor. sec. 9, T. 16 N., R. 1 W., 12 ft. S. and 240 ft. E. from junction of T-rd. N., on W. end of S. head wall of concrete culvert; chiseled square-----	601. 23
U. S. C. & G. S. standard disk stamped "X 12 1933"-----	601. 816

[Continued in Cornland quadrangle, line 3]

6. From point 2.1 miles south and 0.3 mile west from Illiopolis generally south along roads to point 1.5 miles north and 0.6 mile east from Mount Auburn (by W. C. Elledge in 1940)

[Connects with line 5 in Cornland quadrangle]

Illiopolis, 3.1 mi. S. of, near center of sec. 30, T. 16 N., R. 1 W., at steel bridge over Sangamon River, on SW. wing wall, near center of middle step; chiseled square-----	575. 48
Illiopolis, 3.6 mi. S. of, 2.4 mi. N. and 1.0 mi. E. from Mount Auburn, at Bottrell School, about 0.1 mi. S. of N $\frac{1}{4}$ cor. sec. 31, T. 16 N., R. 1 W., on W. side of rd., at ditch directly in front of schoolhouse, in S. head wall of concrete culvert; standard tablet stamped "4 E 1940 571"-----	571. 515

Mount Auburn, 2.2 mi. N. and 0.7 mi. E. from, near center of NW $\frac{1}{4}$ sec. 31, T. 16 N., R. 1 W., 3 ft. N. and 6 ft. W. from intersection of rd. tangents S. and E., in root on NW. side of 24-in. oak tree; copper nail and washer-----

Feet
622. 31

[Continued in Cornland quadrangle, line 6]

7. From point 1.5 miles south and 1.7 miles west from Norita along roads alternately east and north to point 1 mile south and 3.5 miles east from Mount Pulaski (by W. C. Elledge in 1940)

[Continued from Cornland quadrangle, line 7]

Norita, 1.5 mi. S. and 1.5 mi. W. from, near N $\frac{1}{4}$ cor. sec. 31, T. 18 N., R. 1 W., about 400 ft. S. of junction of T-rd. E., on E. head wall of concrete culvert; chiseled square-----

608. 16

Norita, 0.5 mi. S. of, near SE. cor. sec. 29, T. 18 N., R. 1 W., 15 ft. N. and 18 ft. W. from junction of T-rd. W., on N. head wall of concrete culvert; chiseled square-----

598. 24

Norita, 42 ft. S. and 27 ft. E. from intersection of Illinois Central R. R.; standard iron post with bronze cap stamped "Prim Trav Sta No 3 1909"-----

610. 435

[Connects with line 8 in Kenney quadrangle]

NORMAL QUADRANGLE

[Latitude 40°30'–40°45'; longitude 88°45'–89°00']

McLEAN AND WOODFORD COUNTIES

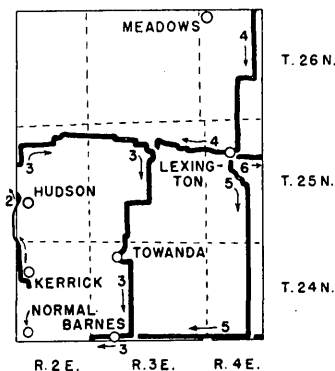


FIGURE 192.—Lines of leveling in Normal quadrangle.

1. From point 1 mile south of Kerrick north along Illinois Central Railroad 0.5 mile, thence west along road 0.5 mile, thence north along U. S. Highway 51 (State Highway 2) to point 2 miles south and 0.5 mile west from Hudson (by C. E. Walker in 1925; leveled twice)

Kerrick triangulation sta. (U. S. C. & G. S.), 1.0 mi. S. of Kerrick, in R. R. cut, on bank, 15.9 ft. W. of W. rail, in concrete post; U. S. C. & G. S. standard triangulation-station disk stamped "Kerrick 1920" ¹³	Feet 873. 617
Kerrick triangulation sta. reference mark (U. S. C. & G. S.), 95 ft. W. of track, in fence line, in concrete post; U. S. C. & G. S. standard reference disk stamped "Reference tablet Kerrick 1920"	872. 744
Kerrick, 0.5 mi. W. of sta., in SW¼ sec. 9, T. 24 N., R. 2 E., 505 ft. S. of junction of T-rd. E., on W. side of highway, on concrete head wall of culvert; chiseled square	855. 42

[Continued in Danvers quadrangle, line 2]

2. From point 0.5 mile west of Hudson generally north 0.5 mile along U. S. Highway 51 (State Highway 2) (by C. E. Walker in 1925; leveled twice)

[A jog from Danvers quadrangle, line 2]

Hudson, 0.5 mi. W. of, 0.3 mi. W. of N¼ cor. sec. 28, T. 25 N., R. 2 E., 250 ft. S. of crossroads, on E. side of highway, on N. end of concrete culvert; chiseled square	745. 83
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------

[Continued in Danvers quadrangle, line 2]

¹³ In 1935 this bench mark was reported destroyed.

3. From point 3 miles south and 0.2 mile east from Kappa east along road to Illinois Central Railroad, thence north 1 mile, thence along roads generally east to road junction 4 miles west of Lexington, thence alternately south and west to Barnes, thence west 1.1 miles along Illinois Central Railroad, thence south 0.2 mile (by C. E. Walker in 1925)

[Continued from Danvers quadrangle, line 2]

Marshall triangulation sta. (U. S. C. & G. S.), 2.5 mi. S. and 0.5 mi. E. from Kappa, 0.5 mi. N. of second section-line rd. crossing S. of Kappa, 72.84 ft. E. of E. rail, in concrete post; U. S. C. & G. S. standard triangulation-station disk stamped "756.770 Marshall 1920"-----	<i>Feet</i> 756. 770
Marshall triangulation sta. reference mark (U. S. C. & G. S.), 68.77 ft. from sta. in azimuth 238°14', on E. side of track, in concrete post; U. S. C. & G. S. standard reference disk stamped "756.813 Marshall 1920" ¹⁴ -----	756. 783
Kappa, 1.7 mi. S. and 2.5 mi. E. from, 3.5 mi. N. and 2.7 mi. E. from Hudson, in SE $\frac{1}{4}$ sec. 2, T. 25 N., R. 2 E., at farmhouse of W. G. Wilabee on N. side of rd., about 150 ft. W. of barn, in root on SE. side of 8-in hickory tree; copper nail and washer-----	732. 81
Hudson, 3.6 mi. N. and 3.7 mi. E. from, near center of sec. 1, T 25 N., R. 2 E., 25 ft. N. and 45 ft. E. from crossroads, 120 ft. SW. of house, in concrete post; standard tablet stamped "Prim Trav Sta No 72 Mac 1923"-----	745. 110
Reference mark, 52 ft. S. and 120 ft. E. from crossroads, in root on E. side of 16-in oak tree; copper nail and washer-----	741. 36
T. 25 N., R. 3 E., near center of sec. 6, 26 ft. S. of junction of T-rd N., in root on E. side of 10-in. hickory tree; copper nail and washer-----	741. 08
T. 25 N., R. 3 E., 1,700 ft. E. of SW. cor. sec. 4, 9 ft. N. of large gatepost, in concrete post; standard tablet stamped "Prim Trav Sta No 73 Mac 1923"-----	734. 370
Reference mark, at angle in rd., 100 ft. E. of large pasture gate, in root on S. side of 10-in. oak tree; copper nail and washer-----	728. 87
T. 25 N., R. 3 E., in NW $\frac{1}{4}$ sec. 10, 4.0 mi. in air line W. of Lexington, 20 ft. E. of junction of N.-S. rd., in root on S. side of 22-in. oak tree; copper nail and washer-----	735. 39
T. 25 N., R. 3 E., about 640 ft. N. of E $\frac{1}{4}$ cor. sec. 16, 33 ft. W. of rd., in root on E. side of triple-trunked tree, northernmost maple tree in row; copper nail and washer-----	754. 70
T. 25 N., R. 3 E., near NW. cor. sec. 22, 3.8 mi. N. and 1.7 mi. E. from Towanda, at entrance to Money Creek Town Hall, in concrete step; standard tablet stamped "3 WA 1925"-----	765. 326
Reference mark, 41 ft. NW. of NW. corner of town hall, 47 ft. E. of rd., in root on SW. side of 10-in. maple tree; copper nail and washer-----	762. 43
Towanda, 2.8 mi. N. and 1.7 mi. E. from, near N. cor. secs. 27 and 28, T. 25 N., R. 3 E., 35 ft. S. of junction of E.-W. rd., in root on SW. side of 24-in. maple tree; copper nail and washer-----	777. 35
Towanda, 2.8 mi. N. and 0.5 mi. E. from, about 1,160 ft. W. of NE. cor. sec. 29, T. 25 N., R. 3 E., 30 ft. SE. of junction of T-rd. S., on S. end of concrete culvert; chiseled square-----	756. 45
Towanda, 1.8 mi. N. and 0.5 mi. E. from, about 1,200 ft. W. of E. cor. secs. 29 and 32, T. 25 N., R. 3 E., 65 ft. E. of junction of T-rd. W., in hedge fence line, in concrete post; standard tablet stamped "4 WA 1925"-----	762. 693

¹⁴ By comparison with other bench marks in the vicinity this mark appears to have settled 0.030 ft.

Towanda, 1.0 mi. N. and 0.3 mi. E. from, in SE $\frac{1}{4}$ sec. 32, T. 25 N., R. 3 E., about 350 ft. SW. of farmhouse, on W. side of rd., on concrete culvert; chiseled square-----	Feet 757.63
Towanda, 0.2 mi. E. of, in SE $\frac{1}{4}$ sec. 5, T. 24 N., R. 3 E., 400 ft. W. of angle in rd., on S. head wall of small concrete culvert; chiseled square-----	763.23
Towanda, 1.2 mi. S. and 0.8 mi. E. from, 1.0 mi. E. thence 3.0 mi. N. from Barnes, near SE. cor. sec. 8, T. 24 N., R. 3 E., 50 ft. NW. of crossroads, at fence corner, in fence line; standard tablet stamped "5 WA 1925"-----	787.593
Reference mark, 230 ft. W. of crossroads, in fence line, on S. side of culvert on small dam; chiseled square-----	782.97
Barnes, 1.9 mi. N. of, about 800 ft. S. of NW. cor. sec. 21, T. 24 N., R. 3 E., 500 ft. NW. of farmhouse of H. C. Hines, on E. side of rd., on concrete culvert; chiseled square-----	802.47
Barnes, 1.0 mi. E. of, near NE. cor. sec. 32, T. 24 N., R. 3 E., 15 ft. W. of junction of E.-W. rd., 25 ft. S. of rd., in concrete post; standard tablet stamped "Prim Trav Sta No 28 Mac 1923"-----	863.084
Barnes, about 200 ft. E. of junction of N.-S. rd., on S. end of concrete culvert; chiseled square-----	855.52
Barnes, 1.1 mi. W. of, near NW. cor. sec. 31, T. 24 N., R. 3 E., 420 ft. S. of intersection of I. C. R. R. and range-line rd., on E. side of rd., on head wall of concrete culvert; chiseled square-----	810.61

[Continued in Le Roy quadrangle, line 2]

4. From point 0.6 mile north and 1.9 miles west from Chenoa alternately south and west along roads to Lexington, thence generally west to road junction 4 miles west of Lexington (by C. E. Walker in 1925)

[Continued from Flanagan quadrangle, line 3]

Chenoa, 1.9 mi. W. of, 0.2 mi. S. thence 2.5 mi. E. from Meadows, near SE. cor. sec. 4, T. 26 N., R. 4 E., 40 ft. NW. of crossroads, at fence corner, in concrete post; standard tablet stamped "11 WA 1925" (recovered in 1934)-----	714.405
Reference mark, 32 ft. SE. of crossroads, on concrete culvert; chiseled square (recovered in 1934)-----	712.53
Chenoa, 1.9 mi. W. thence 1.0 mi. S. from, near NW. cor. sec. 15, T. 26 N., R. 4 E., 35 ft. SE. of crossroads, on E. end of concrete culvert; chiseled square-----	715.71
Chenoa, 1.9 mi. W. thence 2.0 mi. S. from, at Center School, near NW. cor. sec. 22, T. 26 N., R. 4 E., 20 ft. SE. of crossroads, on S. end of concrete culvert; chiseled square-----	729.36
Chenoa, 1.9 mi. W. thence 3.0 mi. S. from, 3.7 mi. N. and 1.5 mi. E. from Lexington State Bank at Lexington, near NE. cor. sec. 28, T. 26 N., R. 4 E., 40 ft. SW. of crossroads, near hedge fence, in concrete post; standard tablet stamped "12 WA 1925"-----	733.384
Reference mark, 585 ft. N. of junction of E.-W. rd., on W. side of rd., on concrete culvert; chiseled square-----	733.82
Lexington, 0.5 mi. E. thence 1.5 mi. N. from, about 650 ft. S. of N $\frac{1}{4}$ cor. sec. 5, T. 25 N., R. 4 E., 650 ft. S. of jog in rd., in NE. wing wall of stone bridge; standard tablet stamped "13 WA 1925"-----	716.612
Reference mark, 650 ft. S. of jog in rd., on NW. wing wall of bridge; chiseled square-----	716.60

Lexington, at NE. edge of, near S $\frac{1}{4}$ cor. sec. 5, T. 25 N., R. 4 E., 45 ft. NE. of junction of T-rd. E., in root on W. side of 18-in. maple tree; copper nail and washer-----	<i>Feet</i> 736.69
Lexington, at Lexington State Bank, 66 ft. NW. of street intersection, in W. end of concrete steps; standard tablet stamped "14 WA 1925" (recovered in 1934)-----	753.510
Reference mark, in front of bank, 22 ft. W. of fireplug, on curb; chiseled square (recovered in 1934)-----	752.88
Lexington, 0.8 mi. W. of, in NW $\frac{1}{4}$ oversize sec. 7, T. 25 N., R. 4 E., on NE. corner of bridge over Turkey Creek; chiseled square (recovered in 1934)-----	706.47
Lexington, 1.9 mi. W. of, 500 ft. S. of N $\frac{1}{4}$ cor. sec. 12, T. 25 N., R. 3 E., 30 ft. N. and 30 ft. W. from junction of T-rd. N., 50 ft. E. of gate to farmhouse of N. E. Franklin, in concrete post; standard tablet stamped "Prim Trav Sta No 74 Mac 1923"-----	772.196
Reference mark, 50 ft. W. of rd. junction, at Franklin farmhouse, on SE. corner of cement sidewalk; chiseled square-----	772.14
Lexington, 3.0 mi. W. of, near N $\frac{1}{4}$ cor. sec. 11, T. 25 N., R. 3 E., 47 ft. S. of rd., at right-angle turn N., in root on E. side of 20-in. oak tree; copper nail and washer-----	726.15
Lexington, 0.5 mi. N. and 3.4 mi. W. from, at Clarksville, in SE $\frac{1}{4}$ sec. 3, T. 25 N., R. 3 E., at United Brethren Church, on SE. corner of first concrete step; chiseled square-----	755.53
5. From Lexington along roads generally south to crossroads 1 mile south and 3.2 miles east from Merna, thence west to road junction 1 mile east of Barnes (by C. E. Walker in 1925)	
Lexington, 1.1 mi. S. of Lexington State Bank, in NW $\frac{1}{4}$ sec. 17, T. 25 N., R. 4 E., on NW. wing wall of bridge; chiseled square-----	722.38
Lexington, 2.2 mi. SE. thence 0.8 mi. S. from, 0.2 N. of SE. cor. sec. 20, T. 25 N., R. 4 E., at NW. corner of bridge over Mackinaw River, on guard rail; chiseled square-----	711.58
Lexington, 2.2 mi. SE. thence 1.8 mi. S. from, S50 ft. N. of SE. cor. sec. 29, T. 25 N., R. 4 E., 115 ft. S. of junction of T-rd. E., across rd. from front gate of S. Finley, in concrete post; standard tablet stamped "Prim Trav Sta No 57 Mac 1923"-----	742.258
Reference mark, 70 ft. S. of tablet, on E. side of rd., in root on NW. side of 18-in. walnut tree; copper nail and washer-----	739.84
Lexington, 2.2 mi. SE. thence 3.0 mi. S. from, near NW. cor. sec. 4, T. 24 N., R. 4 E., 48 ft. SE. of crossroads, inside fence, in root on W. side of 20-in. maple tree; copper nail and washer-----	755.28
Lexington, 2.2 mi. SE. thence 5.0 mi. S. from, 3.2 mi. E. thence 2.0 mi. N. from Merna, near SW. cor. sec. 9, T. 24 N., R. 4 E., 40 ft. NE. of crossroads, 12 ft. NE. of culvert, in concrete post; standard tablet stamped "Prim Trav Sta No 56 Mac 1923"-----	773.040
Reference mark, 28 ft. NW. of crossroads, on concrete culvert; chiseled square-----	772.74
Merna, 3.2 mi. E. thence 1.0 mi. N. from, near SE. cor. sec. 17, T. 24 N., R. 4 E., 38 ft. NW. of crossroads, about 250 ft. S. of intersection of Illinois Central R. R., in root on E. side of 22-in. maple tree; copper nail and washer-----	797.22

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Merna, 3.2 mi. E. of, near NW. cor. sec. 28, T. 24 N., R. 4 E., 83 ft. SE. of crossroads, in hedge fence line, in root 2 in. underground on W. side of 12-in. hedge tree; copper nail and washer-----	<i>Feet</i> 823.70
Merna, 1.0 mi. S. thence 3.2 mi. E. from, 2.8 mi. S. thence 2.5 mi. W. from Cooksville, near SW. cor. sec. 28, T. 24 N., R. 4 E., 25 ft N and 30 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 26 Mac 1923" (recovered in 1930)-----	844.063
Reference mark, 38 ft. SW. of crossroads, in root on NE. side of 26-in. maple tree; copper nail and washer-----	841.19
Merna, 1.0 mi. S. thence 2.2 mi. E. from, at Lincoln School, near SW. cor. sec. 29, T. 24 N., R. 4 E., 155 ft. NE. of crossroads, on platform at entrance to schoolhouse; chiseled square-----	817.86
Merna, 1.0 mi. S. thence 1.1 mi. E. from, 0.13 ft. E. of NW. cor. sec. 31, T. 24 N., R. 4 E., 700 ft. E. of crossroads, on S. head wall of concrete culvert; chiseled square-----	808.18
Merna, 1.0 mi. S. of, 4.0 mi. E. of Barnes, at Merna School, near NE. cor. sec. 35, T. 24 N., R. 3 E., 30 ft. S. and 40 ft. W. from crossroads, 20 ft. W. of NE. corner of schoolyard, in concrete post; standard tablet stamped "Prim Trav Sta No 27 Mac 1923"-----	823.706
Reference mark, 130 ft. SW. of crossroads, at schoolhouse, on NW. corner of concrete platform; chiseled square-----	824.20
Barnes, 3.1 mi. E. of, 620 ft. E. of NW. cor. sec. 35, T. 24 N., R. 3 E., on S. head wall of concrete culvert; chiseled square-----	822.57
Barnes, 2.0 mi. E. of, at Ballard School, near NE. cor. sec. 33, T. 24 N., R. 3 E., 36 ft. SW. of crossroads, about 300 ft. NW. of schoolhouse, on W. head wall of concrete culvert; chiseled square-----	840.42
6. From Lexington east along road about 2 miles (by I. B. Pearce in 1934)	
Lexington, 0.9 mi. E. of, 0.21 mi. W. of E $\frac{1}{4}$ cor. sec. 8, T. 25 N., R. 4 E., 80 ft. S. of rd., opposite concrete block residence, in root of walnut tree; nail-----	749.75

[Continued in Chenoa quadrangle, line 4]

OAKLAND QUADRANGLE

[Latitude 39°30'–39°45'; longitude 88°00'–88°15']

COLES AND DOUGLAS COUNTIES

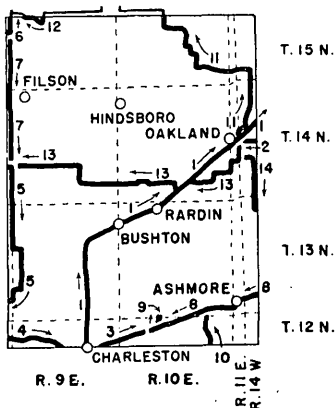


FIGURE 193.—Lines of leveling in Oakland quadrangle.

1. From Charleston north and northeast along Toledo, St. Louis & Western Railroad¹⁵ to point 1.6 miles northeast of Oakland (by T. A. Green in 1906; first-order leveling)

[Continued from Toledo quadrangle, line 2]

Charleston, 3.7 mi. N. of, 2.0 mi. S. of Fair Grange, 0.25 mi. E. of SW. cor. sec. 23, T. 13 N., R. 9 E., 25 ft. N. and 35 ft. E. from rd. intersection, in SW. corner of lot of G. W. Wasson; standard iron post with bronze cap stamped "1906 686" and designated "Y 3"-----	Feet 686.327
Fair Grange, 1.0 mi. NE. of, 1.1 mi. SW. of Bushton, near W¼ cor. sec. 12, T. 13 N., R. 9 E., in SE. angle of intersection of N.-S. rd., 45 ft. S. of track, 25 ft. S. of warning post, 25 ft. E. of rd., 2 ft. W. of fence corner; standard iron post with bronze cap stamped "1906 686" and designated "Z 3"-----	686.534
Bushton, 0.9 mi. NE. of, 1.3 mi. SW. of Rardin, in SE¼ sec. 6, T. 13 N., R. 10 E., 50 ft. NE. of rd. crossing, 30 ft. E. of rd., near fence corner; standard iron post with bronze cap stamped "1906 666" and designated "A 4"-----	666.029
Rardin, 1.6 mi. NE. of, 3.8 mi. SW. of intersection of N. Y. C. & St. L. R. R. and Vandalia R. R. ¹⁶ at Oakland, in NW¼ sec. 34, T. 14 N., R. 10 E., 53 ft. S. of private rd. crossing, 10 ft. E. of fence along E. side of lane; standard iron post with bronze cap stamped "1906 658" and designated "B 4" (recovered in 1932)-----	657.781

¹⁵ Now part of the New York, Chicago & St. Louis R. R.

¹⁶ Now part of the Pennsylvania R. R.

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Oakland, 820 ft. SW. of R. R. intersection, 60 ft. W. of track, 140 ft. NE. of milepost "St. L. 147-T. 304," 25 ft. W. of wagon rd.; standard iron post with bronze cap stamped "1906 652" and designated "C 4" (recovered in 1932 and reported disturbed)-----	<i>Feet</i> 652. 548
[Continued in Kansas quadrangle, line 1]	
2. West along Vandalia Railroad about 1.5 miles to Oakland (by C. H. Semper in 1907)	
[Continued from Kansas quadrangle, line 2]	
Oakland, 250 ft. W. of intersection of Toledo, St. Louis & Western R. R., at grain elevator of J. T. Simms, in front face; aluminum tablet stamped "659"-----	658. 138
3. From point near Charleston northeast along New York Central Railroad to bridge over Embarrass River 3.9 miles northeast of Charleston (by H. E. Simmons in 1922; leveled twice)	
[Connects with line 2 in Toledo quadrangle]	
Charleston, 1.1 mi. NE. of, 1,100 ft. W. of E. line of sec. 11, T. 12 N., R. 9 E., 10 ft. N. of track, on concrete battery container for semaphore; chiseled square-----	669. 35
Charleston, 2.3 mi. NE. of, near NE. cor. sec. 12, T. 12 N., R. 9 E., 60 ft. NW. of rd. crossing, in fence corner; top of concrete post-----	673. 20
Charleston, 2.7 mi. NE. of, in SW $\frac{1}{4}$ sec. 6, T. 12 N., R. 10 E., 60 ft. SE. of rd. crossing; top of corner post of right-of-way fence-----	672. 22
Charleston, 3.9 mi. NE. of, in SW $\frac{1}{4}$ sec. 5, T. 12 N., R. 10 E., at R. R. bridge over Embarrass River, at W. end of E. approach, on top of N. wall; chiseled circle (recovered in 1932)-----	638. 94
4. From point 4.3 miles northwest of Charleston east and south-east along State Highway 16 to point near Charleston (by F. D. Kramer in 1924)	
[Continued from Arcola quadrangle, line 1]	
Charleston, 3.9 mi. NW. of Coles County courthouse at, near quarter corner between secs. 6 and 7, T. 12 N., R. 9 E., in front of Salem Chapel, on NE. corner of concrete walk; chiseled square-----	653. 78
Charleston, 3.4 mi. NW. of, near W. cor. secs. 5 and 8, T. 12 N., R. 9 E., at E. abutment of concrete bridge, on S. wing wall; chiseled square-----	638. 77
Charleston, 2.5 mi. NW. of, near SE. cor. sec. 5, T. 12 N., R. 9 E., on N. side of rd., on top of E. end of N. concrete wall of culvert; chiseled square-----	661. 29
Charleston, 1.7 mi. NW. of, at cemetery, in NE $\frac{1}{4}$ sec. 9, T. 12 N., R. 9 E., about 85 ft. SE. of house, on N. side of rd., on N. edge of concrete sidewalk; chiseled square-----	653. 16
[Continued in Toledo quadrangle, line 4]	
5. From point 2.5 miles north and 3.8 miles east from Humboldt generally south along roads to point 1 mile south and 5.1 miles east from Dorans (by L. V. Johnson in 1930)	
[Continued from Arcola quadrangle, line 3]	
Humboldt, 2.5 mi. N. thence 4.0 mi. E. from, near SW. cor. sec. 19, T. 14 N., R. 9 E., at offset crossroads, 35 ft. N. and 25 ft. E. from junction of T-rd. E., in concrete post; standard tablet stamped "T T Sta No 35 E 1929" (recovered in 1932)-----	684. 742
Reference mark, 30 ft. N. and 48 ft. W. from crossroads, in root on S. side of 48-in. elm tree, 3 ft. from trunk; copper nail and washer (recovered in 1932)-----	685. 01

Humboldt, 1.5 mi. N. thence 4.0 mi. E. from, near SW. cor. sec. 30, T. 14 N., R. 9 E., 20 ft. N. and 20 ft. E. from crossroads, in SW. corner of farmyard, in root on W. side of 36-in. maple tree; copper nail and washer-----	<i>Feet</i> 683. 88
Humboldt, 0.5 mi. N. thence 4.0 mi. E. from, 2.0 mi. N. and 4.0 mi. W. from Fair Grange, near NW. cor. sec. 6, T. 13 N., R. 9 E., 40 ft. S. and 20 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 70 F 1929"-----	661. 166
Fair Grange, 4.0 mi. W. of, near NW. cor. sec. 18, T. 13 N., R. 9 E., 60 ft. S. and 11 ft. E. from junction of T-rd. W., on E. end of corrugated iron culvert; chiseled square-----	685. 87
Fair Grange, 0.2 mi. S. and 3.5 mi. W. from, 5.5 mi. N. and 3.5 mi. W. from Charleston, in NE¼ sec. 18, T. 13 N., R. 9 E., 20 ft. S. and 30 ft. W. from junction of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 71 F 1929"-----	695. 662
Reference mark, 22 ft. N. and 16 ft. W. from rd. junction, in root on SW. side of 12-in. maple tree; copper nail and washer-----	696. 09
Charleston, 3.5 mi. N. and 3.5 mi. W. from, in NE¼ sec. 30, T. 13 N., R. 9 E., 18 ft. N. and 42 ft. W. from junction of E.-W. rd., 23 ft. W. of fence corner, in root on W. side of 36-in. birch tree; copper nail and washer-----	679. 22
Charleston, 2.7 mi. N. and 4.0 mi. W. from, 1.0 mi. S. and 5.2 mi. E. from Dorans, 20 ft. S. and 83 ft. W. from stone marking E. cor. secs. 25 and 36, T. 13 N., R. 8 E., at junction of rds. E. and W., in concrete post; standard tablet stamped "T T Sta No 72 F 1929"-----	677. 574
[Continued in Arcola quadrangle, line 4]	
6. From point 2.7 miles east of Galton along roads east 0.2 mile, thence north 0.8 mile (by L. V. Johnson in 1930)	
[Continued from Arcola quadrangle, line 6]	
Galton, 2.9 mi. E. of, near NW. cor. sec. 19, T. 15 N., R. 9 E., at offset crossroads, 280 ft. S. of junction of T-rd. W., 320 ft. S. of junction of T-rd. E., at steel bridge over drainage ditch, on NE. rock wing wall; chiseled square-----	637. 76
[Continued in Camargo quadrangle, line 1]	
7. From point 2.9 miles east of Galton south along range-line road 7 miles to point 2.5 miles north and 4 miles east from Humboldt (by L. V. Johnson in 1930)	
Galton, 2.9 mi. E. thence 1.0 mi. S. from, near SW. cor. sec. 19, T. 15 N., R. 9 E., 26 ft. N. and 48 ft. E. from crossroads, 26 ft. E. of corner fence post, in root on W. side of 30-in. maple tree; copper nail and washer-----	640. 87
Galton, 2.9 mi. E. thence 2.0 mi. S. from, 1.5 mi. N. thence 0.8 mi. W. from Filson, near NW. cor. sec. 31, T. 15 N., R. 9 E., in SE. angle of offset crossroads, 45 ft. S. and 27 ft. E. from junction of T-rd. W., 60 ft. S. and 27 ft. E. from junction of T-rd. E., in concrete post; standard tablet stamped "T T Sta No 68 F 1929"-----	643. 219
Reference mark, in NW. angle of crossroads, on concrete base of corner fence post; chiseled square-----	642. 70
Filson, 0.5 mi. N. thence 0.8 mi. W. from, near NE. cor. sec. 1, T. 14 N., R. 8 E., 12 ft. S. and 17 ft. W. from crossroads, 10 ft. N. of fence corner, on rock head wall of culvert; chiseled square-----	644. 69

1150 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Filson, 0.5 mi. S. thence 0.8 mi. W. from, 3.2 mi. E. of Arcola, near SW. cor. sec. 6, T. 14 N., R. 9 E., in concrete post; standard tablet stamped "T T Sta No 69 F 1929" ¹⁷ -----	<i>Feet</i> 650. 610
Filson, 1.5 mi. S. thence 0.8 mi. W. from, near NW. cor. sec. 18, T. 14 N., R. 9 E., 290 ft. S. of crossroads, on E. side of rd., 3 ft. S. of T-fence E., on large boulder; chiseled square-----	660. 64
Filson, 2.5 mi. S. thence 0.8 mi. W. from, 3.5 mi. N. and 4.0 mi. E. from Humboldt, near NE. cor. sec. 24, T. 14 N., R. 8 E., 25 ft. S. and 20 ft. W. from crossroads, in root on E. side of 18-in. Osage-orange tree used as corner fence post; copper nail and washer-----	674. 85
<p>8. From point 1.1 miles northeast of Ashmore southeast along State Highway 16 and roads to bridge over Embarrass River 3.9 miles northeast of Charleston (by S. R. Archer in 1932)</p> <p>[Connects with line 3 in Kansas quadrangle]</p>	
Ashmore, 1.1 mi. NE. of, near N. cor. secs. 31 and 32, T. 13 N., R. 14 W., at E. end of highway bridge, at foot of and inside S. head wall, on top of ledge; chiseled square-----	686. 12
Ashmore, 1.1 mi. NE. of, near N. cor. secs. 31 and 32, T. 13 N., R. 14 W., near center of concrete R. R. bridge, on S. side of track, on top of side wall; chiseled square-----	686. 71
Ashmore, 170 ft. E. of New York Central R. R. sta., 8 ft. S. of track, on NW. corner of W. concrete base of cable stand for signal wires; chiseled half square-----	695. 41
Ashmore, in S. part of, 2 blocks S. of State Highway, on E. side of N.-S. street, at main entrance to public school, on N. end of concrete door-sill; standard tablet stamped "22 A 1932"-----	696. 172
Ashmore, 1.2 mi. SW. of, 0.14 mi. E. of W¼ cor. sec. 36, T. 13 N., R. 10 E., 80 ft. W. of junction of rd. E. and State Highway 16, on W. end of S. head wall of concrete culvert under highway; chiseled square-----	678. 19
Ashmore, 1.9 mi. SW. of, 0.22 mi. S. of center of sec. 35, T. 13 N., R. 10 E., 75 ft. S. of junction of T-rd. S., on concrete culvert, 7 ft. S. of N. end of W. head wall, 1.6 ft. N. of N. end of capstone; chiseled square-----	672. 99
Ashmore, 2.3 mi. SW. of, in SW¼ sec. 35, T. 13 N., R. 10 E., 745 ft. W. of crossroads, in W. end of N. head wall of concrete culvert; standard tablet stamped "23 A 1932"-----	669. 405
Ashmore, 2.8 mi. SW. of, in SE¼ sec. 34, T. 13 N., R. 10 E., 60 ft. NW. of R. R. crossing, in fence corner, in N. part of root on W. side of 12-in. hickory tree; copper nail and washer-----	685. 23
Ashmore, 3.6 mi. SW. of, in NE¼ sec. 4, T. 12 N., R. 10 E., 260 ft. E. of crossroads, on top of S. head wall of concrete culvert; chiseled square-----	676. 44
Ashmore, 4.5 mi. SW. of, 4.5 mi. NE. of Charleston, 0.1 mi. N. of E¼ cor. sec. 5, T. 12 N., R. 10 E., 50 ft. W. of junction of rd. N., on top near center of N. head wall of concrete culvert; chiseled square-----	662. 78

¹⁷ In 1935 this bench mark was tied to U. S. C. & G. S. standard disk stamped "R 11 1935," elevation 647.128 ft.

9. From road junction 4.5 miles southwest of Ashmore north along road 0.5 mile (by S. R. Archer in 1932; spur line leveled twice)

Ashmore, 4.5 mi. SW. thence 0.5 mi. N. from, near SW. cor. sec. 33, T. 13 N., R. 10 E., in NE. angle of offset crossroads, 20 ft. N. and 30 ft. E. from junction of T-rd. N., in concrete post; standard tablet stamped "P T Sta No 71 LS 1924"-----	Feet 679. 767
Reference mark, 260 ft. E. of tablet, 22 ft. N. and 28 ft. E. from junction of T-rd. S., in root on S. side of westernmost of two hickory trees 18 ft. apart; copper nail and washer-----	678. 17

10. From point 2.4 miles south and 1.5 miles west from Ashmore north along road to State Highway 16 at point 1.9 miles southwest of Ashmore (by S. R. Archer in 1932)

[Continued from Toledo quadrangle, line 6]

Ashmore, 1.9 mi. S. and 1.5 mi. W. from, 0.25 mi. W. of SE. cor. sec. 2, T. 12 N., R. 10 E., at right-angle turn W. in rd., on N. side, 80 ft. SE. of house of H. J. Waters, on S. side of yard fence, in concrete post; standard tablet stamped "Prim Trav Sta No 70 LS 1924"-----	682. 771
Ashmore, 1.9 mi. SW. thence 0.3 mi. S. from, 390 ft. S. of N $\frac{1}{4}$ cor. sec. 2, T. 12 N., R. 10 E., on N. end of W. wing wall of N. abutment of concrete highway bridge; chiseled square-----	650. 76

11. From Oakland along roads generally northeast 4.5 miles, thence west and northwest to point 0.2 mile south and 3 miles east from Hugo (by S. R. Archer in 1932)

Oakland, 0.3 mi. SE. of intersection of New York, Chicago & St. Louis R. R. and Pennsylvania R. R., 0.25 mi. N. of W $\frac{1}{4}$ cor. sec. 19, T. 14 N. R. 14 W., in SE. angle of crossroads, 5 ft. W. of NW. corner of yard, in root on SW. side of 30-in. maple tree; copper nail and washer-----	661. 73
Oakland, 1.2 mi. NE. of, 610 ft. S. of center of sec. 18, T. 14 N., R. 14 W., 75 ft. N. and 70 ft. E. from intersection of private rd. and N. Y. C. & St. L. R. R., 4 ft. N. of right-of-way fence, in concrete post; standard tablet stamped "T T 60 F 1929" (recovered by U. S. C. & G. S. in 1933)-----	652. 144
Oakland, 2.0 mi. NE. of, 480 ft. N. of S $\frac{1}{4}$ cor. sec. 7, T. 14 N., R. 14 W., on W. side of rd., at angle NE., in root on NE. side of 12-in. walnut tree; copper nail and washer-----	634. 84
Oakland, 2.5 mi. NE. of, near quarter corner between secs. 7 and 8, T. 14 N., R. 14 W., in NE. angle of junction of rd. E., on S. bank of drain, on top of E. end of concrete retaining wall; chiseled square-----	638. 05
Oakland, 3.2 mi. NE. of, 0.2 mi. N. of S. cor. secs. 5 and 6, T. 14 N., R. 14 W., at highway bridge over drainage ditch, on top of SW. wing wall; chiseled square-----	644. 41
Oakland, 3.6 mi. NE. of, near E $\frac{1}{4}$ cor. sec. 6, T. 14 N., R. 14 W., 140 ft. N. of crossroads, on W. side of rd., at fence, in root on NE. side of 30-in. walnut tree; copper nail and washer-----	653. 24
Oakland, 4.5 mi. NE. of, 6.3 mi. S. and 1.2 mi. W. from Newman, near E $\frac{1}{4}$ cor. sec. 31, T. 15 N., R. 14 W., 35 ft. S. and 20 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta 59 F 1929" (recovered in 1935 and reported disturbed)-----	654. 791

Reference mark, 250 ft. N. of tablet, 225 ft. N. of crossroads, on E. side of rd., 18 ft. S. of SW. corner of yard, inside fence, in root on W. side of largest of four walnut trees; copper nail and washer (recovered in 1935)-----	<i>Feet</i> 657. 04
T. 15 N., R. 10 E., about 0.35 mi. S. of NE. cor. sec. 36, at offset crossroads, in SW. angle of junction of rd. W., at old church used as county highway garage and shop, on N. end of lower step at E. entrance; chiseled square-----	658. 70
T. 15 N., R. 10 E., in NW¼ sec. 36, 195 ft. E. of intersection of rd. and section line, on N. side of rd., in field, opposite and 43 ft. E. of W. line of cemetery, 10 ft. N. of fence, on stone post; top of cross between letters "U. S." (U. S. Lake Survey 1879 SE. reference mark for triangulation sta. "Oakland")-----	688. 052
T. 15 N., R. 10 E., in NW¼ sec. 36, 30 ft. E. of intersection of rd. and section line, on S. side of rd., at fence line; top of stone post between letters "U. S." (U. S. Lake Survey 1879 S. reference mark for triangulation sta. "Oakland")-----	691. 006
T. 15 N., R. 10 E., 0.12 mi. N. and 0.25 mi. E. from SW. cor. sec. 26, 115 ft. N. of crossroads, on W. head wall of concrete culvert; chiseled square-----	650. 30
T. 15 N., R. 10 E., 0.25 mi. S. of NE. cor. sec. 27, 95 ft. W. of junction of private rd. W., on N. side of rd., in root on N side of 10-in. walnut tree; copper nail and washer-----	644. 89
T. 15 N., R. 10 E., 0.25 mi. W. of SE. cor. sec. 22, 0.8 mi. S. of Brushy Fork town hall, in NE. angle of junction of T-rd. N., 10 ft. E. of fence corner, in root on N. side of 30-in. oak tree; copper nail and washer--	626. 79
Brushy Fork town hall, 40 ft. N. and 5 ft. W. from NW: corner of, in NE¼ sec. 22, T. 15 N., R. 10 E., 50 ft. S. and 30 ft. E. from rd. fork, in concrete post; standard tablet stamped "T T Sta No 36 F 1929"---	640. 631
Reference mark, at E. side of S. end of highway bridge over Brushy Fork, 6 ft. below floor of bridge, on top of angle in concrete wing wall; chiseled square-----	620. 92
Brushy Fork town hall, 0.8 mi. NW of, at Pleasant Grove School, 110 ft. W. of SE. cor. sec. 16, T. 15 N., R. 10 E., on N. side of rd., at entrance to schoolhouse, on E. end of concrete doorsill; chiseled square-----	631. 57
Brushy Fork town hall, 1.4 mi. NW. of, 0.9 mi. S. and 3.0 miles east from Hugo, 0.14 mi. N. of S¼ cor. sec. 16, T. 15 N., R. 10 E., 0.14 mi. N. of T-junction of N.-S. rd., on N. end of E. head wall of concrete culvert; chiseled square-----	637. 11

[Continued in Camargo quadrangle, line 2]

12. From point 0.2 mile south and 3.5 miles west from Hugo along roads south 0.2 mile, thence northwest and west about 1 mile (by S. R. Archer in 1932)

[A jog from Camargo quadrangle, line 2]

Hugo, 3.5 mi. W. thence 0.3 mi. S. from, about 0.15 mi. N. of E¼ cor. sec. 17, T. 15 N., R. 9 E., 460 ft. N. of junction of rd. NW., at steel highway bridge over drainage canal, on W. bridge seat of S. stone abutment; chiseled square-----	634. 13
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[Continued in Camargo quadrangle, line 2]

13. From crossroads 0.3 mile southeast of Oakland alternately south and west along roads to point on New York, Chicago & St. Louis Railroad about 3 miles southwest of Oakland, thence southwest 1.2 miles, thence alternately north and west along roads to point 2.5 miles north and 4 miles east from Humboldt (by S. R. Archer in 1932)

Oakland, 0.8 mi. S. and 0.5 mi. E. from, near SE. cor. sec. 19, T. 14 N., R. 11 E., 10-ft. N. and 5 ft. W. from W. end of jog in N.-S. rd., 10 ft. N. and 55 ft. W. from junction of rd. E., in concrete post; standard tablet stamped "T T Sta 40 E 1929"-----	<i>Feet</i> 654. 084
Reference mark, 30 ft. N. and 35 ft. E. from intersection of center lines of rds. N. and E., in root on E. side of 12-in. hickory tree; copper nail and washer-----	653. 35
Oakland, 1.5 mi. S. of, near E¼ cor. sec. 25, T. 14 N., R. 10 E., 75 ft. W. of junction of T-rd. W., on S. side of rd., inside fence, in root on W. side of westernmost of two hickory trees 10 ft. apart; copper nail and washer-----	662. 44
Oakland, 1.5 mi. S. thence 1.0 mi. W. from, near W¼ cor. sec. 25, T. 14 N., R. 10 E., 110 ft. S. of crossroads, on E. side of rd., in field, 10 ft. E. of fence, in root on W. side of 24-in. hickory tree; copper nail and washer-----	658. 66
Oakland, 2.0 mi. S. and 1.0 mi. W. from, near W. cor. secs. 25 and 36, T. 14 N., R. 10 E., 22 ft. E. of junction of T-rd. W., 1.5 ft. NE. of fence corner, in concrete post; standard tablet stamped "T T 39 E 1929"-----	658. 763
Oakland, 3.0 mi. SW. of along N. Y. C. & St. L. R. R., 2.4 mi. NE. of Rardin, at Canaan School, about 0.2 mi. N. of SE. cor. sec. 27, T. 14 N., R. 10 E., 375 ft. N. of rd. junction, on W. side of rd., 90 ft. N. and 8 ft. W. from NE. corner of schoolhouse, 8 ft. S. and 15 ft. W. from NE. corner of schoolyard, in root on NE. side of 36-in. oak tree; copper nail and washer-----	656. 57
Rardin, 1.9 mi. NE. of, in N. part of NE¼ sec. 34, T. 14 N., R. 10 E., at SW. end of R. R. bridge 308 over Embarrass River, on top of NW. end of concrete retaining wall; chiseled square-----	639. 25
Rardin, 1.2 mi. N. thence 1.0 mi. E. from, near SE. cor. sec. 28, T. 14 N., R. 10 E., 25 ft. W. of T-junction of E.-W. rd., on N. side of rd., in root on S. side of 24-in. oak tree; copper nail and washer-----	659. 21
Rardin, 1.2 mi. N. thence 0.9 mi. E. from, 0.11 mi. W. of NE. cor. sec. 33, T. 14 N., R. 10 E., on SW. end of S. wing wall of W. concrete abutment of bridge; chiseled square-----	609. 63
Rardin, 1.2 mi. N. of, near SE. cor. sec. 29, T. 14 N., R. 10 E., 17 ft. N. and 42 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 38 E 1929"-----	659. 308
Rardin, 1.2 mi. N. thence 0.9 mi. W. from, 2.1 mi. N. and 1.1 mi. E. from Bushton, 320 ft. N. and 500 ft. E. from SW. cor. sec. 29, T. 14 N., R. 10 E., 500 ft. E. of right angle in rd., on S. wing wall of W. abutment of concrete culvert; chiseled square-----	651. 76
Bushton, 2.1 mi. N. and 0.5 mi. E. from, near quarter corner between secs. 30 and 31, T. 14 N., R. 10 E., at bridge over Greasy Creek, on NW. end of N. wing wall of W. abutment; chiseled square-----	650. 83
Bushton, 2.1 mi. N. of, 300 ft. W. of E. cor. secs. 25 and 36, T. 14 N., R. 9 E., on top of S. end of concrete pier at center of bridge; chiseled square-----	662. 45

Bushton, 2.1 mi. N. and 1.0 mi. W. from, 4.2 mi. S. and 1.3 mi. W. from Hindsboro, at O'Hara School, 580 ft. W. of NE. cor. sec. 35, T. 14 N., R. 9 E., on S. side of rd., 1.5 ft. N. of schoolyard fence, 8 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 37 E 1929"-----	<i>Feet</i> 679.206
Hindsboro, 4.2 mi. S. and 2.3 mi. W. from, near SE. cor. sec. 27, T. 14 N., R. 9 E., in NW. corner of crossroads, on W. end of N. head wall of concrete culvert; chiseled square-----	681.67
Hindsboro, 3.5 mi. S. and 2.3 mi. W. from, 0.2 mi. N. of W $\frac{1}{4}$ cor. sec. 26, T. 14 N., R. 9 E., 235 ft. S. of sixteenth corner, on E. side of rd., inside fence, 35 ft. N. of driveway to residence, 25 ft. S. of NW. corner of yard, in root on NW. side of 30-in. maple tree; copper nail and washer-----	704.76
Hindsboro, 3.2 mi. S. and 3.0 mi. W. from, 0.24 mi. W. of N $\frac{1}{4}$ cor. sec. 27, T. 14 N., R. 9 E., 40 ft. E. of sixteenth corner, on top of W. end of S. head wall of concrete culvert; chiseled square-----	690.32
Hindsboro, 3.2 mi. S. and 3.3 mi. W. from, 3.5 mi. S. thence 2.0 mi. E. from Filson, near NW. cor. sec. 27, T. 14 N., R. 9 E., 25 ft. S. and 22 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 36 E 1929"-----	689.116
Filson, 3.5 mi. S. thence 1.0 mi. E. from, near NE. cor. sec. 29, T. 14 N., R. 9 E., in SW. corner of crossroads, at W. end of concrete culvert under rd. S., on top of W. end of N. wall of angular head wall; chiseled square-----	687.22
Filson, 3.5 mi. S. of, 2.5 mi. N. thence 4.8 mi. E. from Humboldt, near SW. cor. sec. 20, T. 14 N., R. 9 E., in NE. angle of crossroads, at fence corner, in root on S. side of 30-in. hedge tree; copper nail and washer-----	690.35
14. From point 0.8 mile south and 0.5 mile east from Oakland alternately east and south along roads 3.5 miles to point 0.8 mile south and 3.4 miles west from Warrington (by S. R. Archer in 1932)	
Oakland, 0.8 mi. S. and 1.2 mi. E. from, near NE. cor. sec. 30, T. 14 N., R. 14 W., 365 ft. S. of junction of rd. S., at N. end of steel bridge over Little Embarrass River, on top of W. steel pier; chiseled square-----	625.00
Oakland, 1.7 mi. S. and 1.2 mi. E. from, 0.13 mi. N. of SW. cor. sec. 29, T. 14 N., R. 14 W., 30 ft. N. and 45 ft. E. from junction of T-rd. E., in root on SW. side of 30-in. maple tree; copper nail and washer (recovered in 1936)-----	660.69
Oakland, 2.3 mi. S. and 1.2 mi. E. from, near W $\frac{1}{4}$ cor. sec. 32, T. 14 N., R. 14 W., in SE. angle of junction of T-rd. E., at NW. corner of yard of residence, in root on W. side 18 in. from trunk of 30-in. maple tree; copper nail and washer-----	662.54
Oakland, 3.5 mi. S. and 1.2 mi. E. from, 0.8 mi. S. and 3.5 mi. W. from Warrington, 0.25 mi. N. of S. cor. secs. 5 and 6, T. 13 N., R. 14 W., at intersection of center lines of rds. N. and E., 20 ft. N. of fence corner, 5 ft. S. and 20 ft. E. from fence corner, on stone marking sixteenth corner; chiseled square-----	674.01

[Continued in Kansas quadrangle, line 3]

ODELL QUADRANGLE

[Latitude 41°00'–41°15'; longitude 88°30'–88°45']

GRUNDY, LA SALLE, AND LIVINGSTON COUNTIES

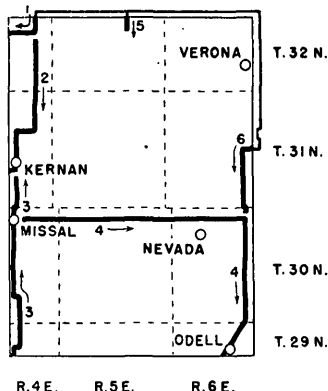


FIGURE 194.—Lines of leveling in Odell quadrangle.

1. From point 5.3 miles south and 1 mile west from Marseilles south along road 0.9 mile to Union School, thence west 1.4 miles to point 4.2 miles east of Grand Ridge (by R. G. Clinite in 1911)

[Continued from Marseilles quadrangle, line 1]

Marseilles, 6.2 mi. S. and 1.0 mi. W. from, 5.6 mi. E. of Grand Ridge, at Union School, 25 ft. N. and 30 ft. W. from SE. cor. sec. 14, T. 32 N., R. 4 E., in NW. angle of crossroads, standard iron post with bronze cap stamped "Prim Trav Sta No 4 1911" (recovered in 1941)-----

Feet
672.061

[Continued in Streater quadrangle, line 1]

2. From Union School, 5.6 miles east of Grand Ridge, along roads alternately south and west to point 0.4 mile south and 0.5 mile west from Kernan (by G. F. Williams in 1924)

Grand Ridge, 5.6 mi. E. thence 1.0 mi. S. from, 5.6 mi. N. and 1.0 mi. E. from Kernan, near NW. cor. sec. 25, T. 32 N., R. 4 E., in SE. angle of crossroads, at fence corner, on top of large red granite boulder buried in ground; chiseled square (recovered in 1941)-----

647.47

Kernan, 4.6 mi. N. and 1.0 mi. E. from, near NW. cor. sec. 36, T. 32 N., R. 4 E., in SE. angle of crossroads, 25 ft. S. and 10 ft. E. from NW. corner of schoolyard fence, in root on W. side of 12-in. maple tree; copper nail and washer-----

703.63

Kernan, 3.6 mi. N. and 1.0 mi. E. from, near NE. cor. sec. 2, T. 31 N., R. 4 E., at offset crossroads, 30 ft. S. and 25 ft. W. from junction of T-rd. S., 3 ft. S. of corner of hedge fence, in concrete post; standard tablet stamped "Prim Trav Sta No 81 Mac 1923 W 5" (recovered in 1941)-----

707.61

1156 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Reference mark, 450 ft. N. of crossroads, on top of SE. wing wall of limestone arch culvert under rd.; chiseled square-----	<i>Feet</i> 698. 83
Kernan, 2.6 mi. N. and 1.0 mi. E. from, at Maple Grove School, near NW. cor. sec. 12, T. 31 N., R. 4 E., in SE. angle of crossroads, in NW. corner of schoolyard, in root on W. side of 36-in. maple tree; copper nail and washer-----	693. 90
Kernan, 1.6 mi. N. and 1.0 mi. E. from, near SW. cor. sec. 12, T. 31 N., R. 4 E., in NE. angle of crossroads, in corner of hedge fence, in root on W. side of 28-in. cottonwood tree; copper nail and washer-----	693. 04
Kernan, 1.6 mi. N. of, near SW. cor. sec. 11, T. 31 N., R. 4 E., in NE. angle of crossroads, at fence corner, in limb on S. side of hedge tree; copper nail and washer-----	672. 63
Kernan, 0.7 mi. N. of, near SW. cor. sec. 14, T. 31 N., R. 4 E., 600 ft. N. of crossroads, on top of SE. wing wall of concrete bridge; chiseled square-----	649. 49
Kernan, 0.6 mi. N. of, 230 ft. S. and 25 ft. W. from NE. cor. sec. 22, T. 31 N., R. 4 E., in SW. angle of crossroads, 15 ft. E. of wire fence, in concrete post; standard tablet stamped "Prim Trav Sta No 82 Mac 1923 W 6"-----	656. 627
Reference mark, 100 ft. N. of crossroads, on E. side of rd., in root of 36-in. cottonwood tree; copper nail and washer-----	646. 94
Kernan, 100 ft. E. of E. end of Atchison, Topeka & Santa Fe Ry. sta. platform, 60 ft. W. of rd. crossing, on SE. corner of concrete base of semaphore; chiseled square-----	671. 35
Kernan, 0.4 mi. S. of, near NW. cor. sec. 26, T. 31 N., R. 4 E., 180 ft. E. of crossroads, on S. side of rd., in yard, 15 ft. S. of fence, in root on N. side of 15-in. maple tree; copper nail and washer-----	689. 50
[Continued in Streator quadrangle, line 3]	
3. From point 1 mile west and 0.7 mile north from Cornell along roads generally north to crossroads 0.4 mile south of Kernan (by G. F. Williams in 1924)	
[Continued from Pontiac quadrangle, line 1]	
Cornell, 1.0 mi. W. thence 1.0 mi. N. from, near quarter corner between secs. 3 and 10, T. 29 N., R. 4 E., at junction of T-rd. S., inside yard fence, in root on W. side of 15-in. maple tree; copper nail and washer-----	623. 34
Cornell, 2.0 mi. N. and 0.5 mi. W. from, near SE. cor. sec. 34, T. 30 N., R. 4 E., in NW. angle of crossroads, 15 ft. N. of fence corner, in root on E. side of white-oak tree; copper nail and washer-----	617. 35
Cornell, 3.0 mi. N. and 0.5 mi. W. from, 4.5 mi. S. of Missal, near NE. cor. sec. 32, T. 30 N., R. 4 E., 20 ft. S. and 35 ft. W. from crossroads, 10 ft. W. of fence corner, in concrete post; standard tablet stamped "25 W 1924"-----	628. 962
Reference mark, in NE. angle of crossroads, on top of E. head wall of concrete culvert under rd. N.; chiseled square-----	628. 37
Missal, 4.0 mi. S. of, 0.25 mi. E. of center of sec. 27, T. 30 N., R. 4 E., 30.5 ft. N. of E.-W. fence, 19.5 ft. E. of N.-S. fence, 30 ft. NE. of driveway to farmhouse of Knute Lawrence; highest point on stone-----	627. 97
Missal, 3.6 mi. S. of, at N. end of W. head wall of concrete culvert, on concrete curb; chiseled square-----	621. 48

Missal, 3.0 mi. S. of, 0.08 mi. N. and 0.25 mi. E. from center of sec. 22, T. 30 N., R. 4 E., 420 ft. N. of crossroads, in NW. corner of yard of dwelling of H. E. Dice, on W. side of rd., in root of cedar tree; copper nail and washer-----	<i>Feet</i> 631. 60
Missal, 2.5 mi. S. of, 0.09 mi. N. and 0.25 mi. W. from SE. cor. sec. 15, T. 30 N., R. 4 E., 475 ft. N. of junction of T-rd. W., on top of NE. wing wall of N. abutment of concrete bridge over creek; chiseled square-----	623. 88
Missal, 2.0 mi. S. of, 0.25 mi. E. of center of sec. 15, T. 30 N., R. 4 E., 30 ft. N. and 30 ft. E. from junction of T-rd. E., 15 ft. N. of SW. corner of picket fence around yard; in concrete post; standard tablet stamped "26 W 1924"-----	636. 280
Missal, 1.2 mi. S. of, 0.25 mi. S. and 0.25 mi. E. from center of sec. 10, T. 30 N., R. 4 E., 150 ft. N. of junction of T-rd. W., on top of SW. wing wall of concrete culvert; chiseled square (recovered in 1934)-----	632. 19
Missal, 0.5 mi. S. of, 0.25 mi. W. of SE. cor. sec. 3, T. 30 N., R. 4 E., in NW. angle of crossroads, at double gates leading to United Brethren Church, on NE. corner of concrete sidewalk; chiseled square (recovered in 1934; reported broken)-----	660. 92
Missal, at crossing of New York Central R. R., top of N. rail-----	668. 7
Missal, 50 ft. N. and 30 ft. W. from crossing of N. Y. C. R. R., on W. side of rd., inside fence, in corner of field, in concrete post; standard tablet stamped "Prim Trav Sta No 92 K 1924 W 30" (recovered by U. S. C. & G. S. in 1935)-----	667. 230
Missal, 0.5 mi. N. of, 0.25 mi. W. of SE. cor. sec. 34, T. 31 N., R. 4 E.; at junction of T-rd. S., on N. side of rd., 3 ft. N. of fence, in root on S. side of second cottonwood tree W. of fence corner; copper nail and washer-----	671. 12
Missal, 1.5 mi. N. and 0.25 mi. E. from, 1.4 mi. S. of Kernan, near SE. cor. sec. 27, T. 31 N., R. 4 E., in NW. angle of crossroads, on top of W. end of NW. concrete head wall of culvert under E.-W. rd.; chiseled square-----	687. 80
4. From Missal east along New York Central Railroad to road crossing 1 mile north and 2 miles east from Nevada, thence south and southwest along roads to Odell (by L. W. Winholt in 1934)	
Missal, 1.2 mi. E. of, near E $\frac{1}{4}$ cor. sec. 2, T. 30 N., R. 4 E., 100 ft. W. of rd. crossing, 60 ft. S. of tracks, in yard of farmhouse, in root on N. side of 18-in. tree; nail-----	685. 82
Missal, 2.2 mi. E. of, 4.0 mi. W. of Budd, near W $\frac{1}{4}$ cor. sec. 6, T. 30 N., R. 5 E., 290 ft. E. of rd. crossing, 3 ft. S. of N. right-of-way of R. R., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "9 1 1934"-----	734. 105
Budd, 2.0 mi. W. of, near E $\frac{1}{4}$ cor. sec. 5, T. 30 N., R. 5 E., 115 ft. W. of rd. crossing, 2 ft. N. of S. right-of-way of R. R., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "9 2 1934" ¹⁸ -----	734. 371

¹⁸ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "B 29 1934," elevation 735.330 ft.

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Budd, 810 ft. W. of sta., near E $\frac{1}{4}$ cor. sec. 3, T. 30 N., R. 5 E., 47 ft. N. and 30 ft. W. from rd. crossing, in concrete post; standard tablet stamped "Prim Trav Sta No 91 K 1924" (recovered by U. S. C. & G. S. in 1935)-----	<i>Feet</i> 702.604
Budd, 2.0 mi. E. of, near W $\frac{1}{4}$ cor. sec. 6, T. 30 N., R. 6 E., 240 ft. E. of rd. crossing, 40 ft. S. of elevator, 2 ft. N. of S. right-of-way fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "9 3 1934"-----	685.633
Budd, 4.0 mi. E. of, 1.0 mi. N. of Nevada, near W $\frac{1}{4}$ cor. sec. 4, T. 30 N., R. 6 E., 210 ft. E. of rd. crossing, 10 ft. S. of N. right-of-way fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "9 4 1934" ¹⁹ -----	675.011
Nevada, 1.0 mi. N. and 2.0 mi. E. from, 0.5 mi. N. and 4.0 mi. W. from Dwight, near E $\frac{1}{4}$ cor. sec. 3, T. 30 N., R. 6 E., 100 ft. W. of rd. crossing, 1 ft. N. of S. right-of-way fence; top of steel axle shaft-----	653.45
Nevada, 0.5 mi. N. and 2.0 mi. E. from, near E. cor. secs. 3 and 10, T. 30 N., R. 6 E., 220 ft. S. of crossroads, on top of W. head wall of culvert; chiseled square-----	657.47
Nevada, 2.0 mi. E. of, near W $\frac{1}{4}$ cor. sec. 11, T. 30 N., R. 6 E., 40 ft. E. of crossing of Chicago and Alton R. R., 2 ft. S. of N. right-of-way fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "9 5 1934"-----	661.344
Nevada, 2.0 mi. E. and 0.5 mi. S. from, near S. cor. secs. 10 and 11, T. 30 N., R. 6 E., 18 ft. N. of crossroads, on top of W. head wall of culvert; chiseled square-----	656.54
Nevada, 2.0 mi. E. and 1.5 mi. S. from, 1.5 mi. NE. thence 3.0 mi. N. from Odell, 30 ft. N. and 20 ft. W. from S. cor. secs. 14 and 15, in NW. angle of crossroads, 8 ft. E. of maple tree, in concrete post; standard tablet stamped "Prim Trav Sta No 100 Mac 1923"-----	677.535
Reference mark 1, 550 ft. N. of tablet, on top of E. head wall of culvert; chiseled square-----	672.11
Reference mark 2, 70 ft. S. of tablet, on top of W. head wall of highway culvert; chiseled square-----	666.19
Odell, 1.5 mi. NE. thence 2.0 mi. N. from, 0.14 mi. S. of NW. cor. sec. 26, T. 30 N., R. 6 E., 760 ft. S. of crossroads, 20 ft. E. of center line of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "9 6 1934"-----	697.732
Odell, 1.5 mi. NE. thence 1.2 mi. N. from, 0.15 mi. N. of SE. cor. sec. 26, T. 30 N., R. 6 E., at iron bridge over West Branch of Mazon River, on top of E. railing, 3 ft. N. of S. end; chiseled square-----	678.39
Odell, 1.5 mi. NE. thence 0.5 mi. N. from, near W $\frac{1}{4}$ cor. sec. 35, T. 30 N., R. 6 E., on top of E. head wall of culvert; chiseled square-----	691.15
Odell, 1.5 mi. NE. of, 50 ft. N. of S. cor. secs. 34 and 35, T. 30 N., R. 6 E., in concrete post; standard tablet stamped "Prim Trav Sta No 101 Mac 1923"-----	698.955
Odell, 1.3 mi. NE. of, 0.15 mi. SW. of NE. cor. sec. 3, T. 29 N., R. 6 E., on top of W. head wall of culvert under track of Chicago & Alton R. R.; chiseled square-----	696.57
Odell, 0.9 mi. NE. of, just NE. of center of sec. 3, T. 29 N., R. 6 E., on top of NW. wing wall of C. & A. R. R. culvert 807; chiseled square--	698.22

¹⁹ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "Z 28 1934," elevation 670.008 ft.

Odell, on State Highway 4, about 0.1 mi. NE. of crossroads; on top of W. head wall of concrete highway culvert 4-86-69; chiseled square-- *Feet*
704. 83

[Continued in Pontiac quadrangle, line 7]

5. South along road on line between secs. 14 and 15, T. 32 N., R. 5 E. (by L. W. Winbolt in 1934; spur line leveled twice)

[Connects with line 2 in Marseilles quadrangle]

T. 32 N., R. 5 E., 0.15 mi. N. of quarter corner between secs. 14 and 15, 25 ft. W. of center line of rd., on top of boulder; chiseled square-- 677. 44

T. 32 N., R. 5 E., near S. cor. secs. 14 and 15, 25 ft. N. and 25 ft. W. from crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 8 1912"----- 689. 491

6. From point 4.3 miles south of Verona west and south along roads to New York Central Railroad at road crossing 1 mile north and 2 miles east from Nevada (by George Adgate in 1934)

[Continued from Dwight quadrangle, line 2]

Verona, 4.3 mi. S. and 0.5 mi. W. from, 4.5 mi. N. and 2.0 mi. E. from Nevada, 30 ft. N. of S. cor. secs. 14 and 15, T. 31 N., R. 6 E., 1 ft. from N.-S. fence, in concrete post; standard tablet stamped "Prim Trav Sta No 98 Mac 1923"----- 631. 624

Nevada, 3.5 mi. N. and 2.0 mi. E. from, near E. cor. secs. 22 and 27, T. 31 N., R. 6 E., 30 ft. W. of center line of N.-S. rd., on top of large boulder; chiseled square----- 647. 84

Nevada, 3.0 mi. N. and 2.0 mi. E. from, near W $\frac{1}{4}$ cor. sec. 26, T. 31 N., R. 6 E., 30 ft. E. of center line of N.-S. rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "10 3 1934"----- 647. 544

Nevada, 2.5 mi. N. and 2.0 mi. E. from, near NW. cor. sec. 35, T. 31 N., R. 6 E., 100 ft. S. and 20 ft. E. from crossroads; top of iron pipe---- 654. 02

Nevada, 1.5 mi. N. and 2.0 mi. E. from, near SW. cor. sec. 35, T. 31 N., R. 6 E., 30 ft. N. of N. cor. secs. 2 and 3, T. 30 N., R. 6 E., 160 ft. E. of T.-rd. N., in concrete post; standard tablet stamped "Prim Trav Sta No 99 Mac 1923"----- 654. 912

PANA QUADRANGLE

[Latitude 39°15'–39°30'; longitude 89°00'–89°15']

CHRISTIAN, MONTGOMERY, AND SHELBY COUNTIES

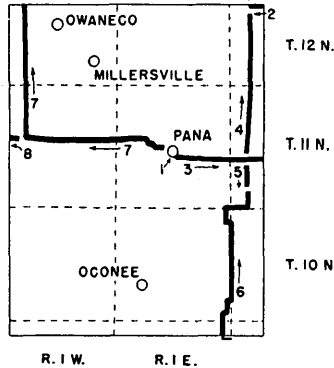


FIGURE 195.—Lines of leveling in Pana quadrangle.

1. At Pana (by S. R. Archer in 1922)

	<i>Feet</i>
U. S. C. & G. S. standard disk designated "D 8" (recovered in 1934)-----	700. 366
Pana, 0.4 mi. W. of Baltimore & Ohio R. R. sta., 205 ft. E. of milepost B 88-S 140, at sta. 7389+59, on top of SE. corner of S. head wall of cast-iron pipe drain under track; chiseled square (B. & O. R. R. B. M.)-----	689. 07
Pana, at B. & O. R. R. sta., at NE. corner of platform, on concrete curb; chiseled square (B. & O. R. R. B. M.)-----	694. 14
U. S. C. & G. S. standard disk designated "E 8" (recovered in 1930)-----	702. 321

2. From point 1.2 miles north and 1 mile west from Beulah along roads west and north to point 1.3 miles south and 2 miles east from Assumption (by S. R. Archer in 1930)

[Continued from Shelbyville quadrangle, line 7]

Beulah, 1.2 mi. N. thence 1.5 mi. W. from, near center of SW¼ sec. 8, T. 12 N., R. 2 E., 18 ft. E. of NE. corner of bridge over Flat Hollow Creek, on top of E. end of concrete retaining wall; chiseled square--	629. 66
Beulah, 1.2 mi. N. thence 1.8 mi. W. from, 1.4 mi. S. and 2.0 mi. E. from Assumption, 0.25 mi. N. of S. cor. secs. 7 and 8, T. 12 N., R. 2 E., 30 ft. N. and 35 ft. E. from T-junction of N.-S. rd., inside fence, in concrete post; standard tablet stamped "Prim Trav Sta No 92 LS 1924"-----	631. 751

[Continued in Assumption quadrangle, line 5]

3. From Pana east along road to point 0.2 mile south and 2.1 miles west from Tower Hill (by S. R. Archer in 1930)

U. S. C. & G. S. standard disk designated "F 8"-----	712. 156
Pana, 30 ft. N. and 10 ft. E. from intersection of East Sixth and South Hickory Streets, in line with N. edge of sidewalk E., on top of con- crete curb; chiseled square-----	684. 07

Pana, 1.0 mi. E. of high school, 450 ft. W. of E $\frac{1}{4}$ cor. sec. 22, T. 11 N., R. 1 E., 450 ft. W. of crossroads, on top of E. end of S. head wall of concrete culvert; chiseled square-----	Feet 675.34
Pana, 2.1 mi. E. of, 110 ft. E. of W $\frac{1}{4}$ cor. sec. 24, T. 11 N., R. 1 E., 110 ft. E. of crossroads, on S. side of rd., at fence line, 3 ft. N. of 8-in. hickory tree, 7 ft. N. and 23 ft. W. from 12-in. hickory tree, in concrete post; standard tablet stamped "9 A 1930"-----	642.315
Reference mark, in NE. corner of crossroads, on top of E. head wall of concrete culvert under rd. N.; chiseled square-----	639.34
Pana, 2.7 mi. E. of, about 800 ft. E. of center of sec. 24, T. 11 N., R. 1 E., at bridge between reservoirs, on top of NE. end of N. wing wall of E. concrete abutment; chiseled square-----	645.84
Pana, 3.1 mi. E. of, near E $\frac{1}{4}$ cor. sec. 24, T. 11 N., R. 1 E., at Christian-Shelby county line, 30 ft. N. and 30 ft. W. from crossroads, in root on NE. side of 15-in. oak tree; copper nail and washer-----	676.04
Pana, 3.9 mi. E. of, 0.2 mi. S. thence 2.8 mi. W. from Tower Hill, near W $\frac{1}{4}$ cor. sec. 20, T. 11 N., R. 2 E., 60 ft. S. of crossroads, on E. side of rd., in field, in root on NE. side of small quadruple-forked wild-cherry tree; copper nail and washer-----	681.69

[Continued in Shelbyville quadrangle, line 9]

4. From crossroads 3.9 miles east of Pana along road north to road junction 2 miles east and 1.4 miles south from Assumption (by S. R. Archer in 1930)

Pana, 3.9 mi. E. thence 0.5 mi. N. from, near SE. cor. sec. 18, T. 11 N., R. 2 E., in NW. corner of crossroads, on top of E. end of N. head wall of concrete culvert; chiseled square-----	670.25
Pana, 3.9 mi. E. thence 1.5 mi. N. from, near NW. cor. sec. 17, T. 11 N., R. 2 E., 25 ft. S. and 20 ft. E. from crossroads, 10 ft. S. of fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 94 LS 1924"-----	680.552
Reference mark, 50 ft. S. and 25 ft. E. from crossroads, 30 ft. S. of fence corner, in root on E. side of 15-in. maple tree; copper nail and washer-----	682.01
Pana, 3.9 mi. E. thence 2.5 mi. N. from, near SW. cor. sec. 5, T. 11 N., R. 2 E., 100 ft. E. of crossroads, on N. side of rd., at foot of W. side of door to schoolhouse, on top of NW. corner of concrete walk; chiseled square-----	675.02
Pana, 3.9 mi. E. thence 3.3 mi. N. from, 0.35 mi. S. of N. cor. secs. 5 and 6, T. 11 N., R. 2 E., near SE. corner of crossroads, in center of top of SW. wing wall of concrete culvert under rd. E.; chiseled square-----	672.52
Pana, 3.9 mi. E. thence 3.8 mi. N. from, 0.18 mi. N. of S. cor. secs. 31 and 32, T. 12 N., R. 2 E., 70 ft. S. of private rd. W., on W. side of rd., in root on NW. side of 24-in. walnut tree; copper nail and washer-----	681.47
Pana, 3.9 mi. E. thence 4.6 mi. N. from, 1.0 mi. N. thence 1.0 mi. W. from Dolville, 2.0 mi. E. thence 4.6 mi. S. from Assumption, near SE. cor. sec. 30, T. 12 N., R. 2 E., 35 ft. N. and 20 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 93 LS 1924"-----	682.564

Reference mark, 160 ft. N. and 50 ft. W. from crossroads, at foot of S. side of entrance to schoolhouse, on top of SW. corner of concrete step; chiseled square-----	<i>Feet</i> 681. 82
Assumption, 2.0 mi. E. thence 3.4 mi. S. from, 0.19 mi. N. of SE. cor. sec. 19, T. 12 N., R. 2 E., 75 ft. N. of farmhouse on W. side of rd., on W. side of rd., on top of W. end of S. head wall of concrete culvert under driveway; chiseled square-----	654. 64
Assumption, 2.0 mi. E. thence 2.6 mi. S. from, 1.8 mi. W. of Beulah, near NE. cor. sec. 19, T. 12 N., R. 2 E., 25 ft. S. and 55 ft. W. from crossroads, in root on NE. side of 30-in. maple tree; copper nail and washer-----	652. 02
5. From crossroads 3.9 miles east of Pana south along road 1.5 miles (by S. R. Archer in 1930; spur line leveled twice)	
Pana, 3.9 mi. E. thence 0.5 mi. S. from, near SE. cor. sec. 19, T. 11 N., R. 2 E., 16 ft. N. and 18 ft. W. from crossroads, in root on E. side of 5-in. elm tree; copper nail and washer-----	705. 50
Pana, 3.9 mi. E. thence 1.5 mi. S. from, near NW. cor. sec. 32, T. 11 N., R. 2 E., 25 ft. S. and 20 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 95 JLS 1924"-----	646. 746
Reference mark, 150 ft. N. and 20 ft. W. from crossroads, at E. side of schoolyard, in root on NE. side of 12-in. oak tree; copper nail and washer-----	646. 97
6. From point 2.1 miles north and 2.6 miles west from Herrick along roads alternately north and east to crossroads 3.9 miles east and 1.5 miles south from Pana (by L. V. Johnson in 1930)	
[Connects with line 2 in Ramsey quadrangle]	
Herrick, 2.5 mi. in air line N. and 2.6 mi. W. from, 4.0 mi. E. and 2.7 mi. S. from Oconee, 0.25 mi. N. of center of sec. 1, T. 9 N., R. 1 E., 10 ft. N. and 12 ft. W. from junction of T-rd. W., 12 ft. SE. of 30-in. wild-cherry tree, on N. end of 24-in. concrete culvert; chiseled square-----	645. 84
Oconee, 4.0 mi. E. and 1.7 mi. S. from, 0.25 mi. N. of S¼ cor. sec. 36, T. 10 N., R. 1 E., 50 ft. N. of NW. corner of cemetery, 22 ft. N. and 20 ft. E. from junction of T-rd. S., in root on S. side of 18-in. Osage-orange tree; copper nail and washer-----	723. 59
Oconee, 4.3 mi. E. and 1.0 mi. S. from, 0.25 mi. W. of SE. cor. sec. 25, T. 10 N., R. 1 E., in SW. corner of farmyard, 18 ft. N. and 10 ft. E. from T-junction of E.-W. rd., in root on S. side of 36-in. oak tree; copper nail and washer-----	660. 03
Oconee, 4.5 mi. E. thence 1.0 mi. S. from, near cor. secs. 25, 30, 31, and 36, T. 10 N., Rs. 1 and 2 E., 100 ft. S. of rd. fork, in concrete post; standard tablet stamped "Prim Trav Sta No 97 LS 1924"-----	648. 047
Oconee, 4.5 mi. E. thence 0.1 mi. S. from, 420 ft. S. of NW. cor. sec. 30, T. 10 N., R. 2 E., 25 ft. E. of junction of T-rd. W., in root on N. side of group of three small Osage-orange trees; copper nail and washer-----	642. 78
Oconee, 4.5 mi. E. thence 0.5 mi. N. from, near W¼ cor. sec. 19, T. 10 N., R. 2 E., at rd. junction, at NE. corner of steel bridge over creek, on concrete wing wall; chisled square-----	564. 34

Oconee, 4.5 mi. E. thence 2.0 mi. N. from, 3.1 mi. E. and 4.5 mi. S. from Pana, near W. cor. secs. 7 and 18, T. 10 N., R. 2 E., 26 ft. E. of T-rd. W., in concrete post; standard tablet stamped "Prim Trav Sta No 96 LS 1924"-----	<i>Feet</i> 647. 709
Reference mark, at NW corner of junction of T-rd. W., on N. end of corrugated iron pipe culvert; chiseled square-----	647. 13
Pana, 3.1 mi. E. and 3.5 mi. S. from, near SW. cor. sec. 6, T. 10 N., R. 2 E., 20 ft. N. and 15 ft. E. from T-junction of E-W. rd., 11 ft. W. of T-fence N., in root on S. side of 18-in. oak tree; copper nail and washer-----	632. 55
Pana, 2.9 mi. E. and 2.5 mi. S. from, 0.25 mi. W. of SE. cor. sec. 36, T. 11 N., R. 1 E., 23 ft. N. and 40 ft. E. from T-junction of E-W. rd., in root on NE. side of 6-in. elm tree; copper nail and washer-----	653. 45
Pana, 3.3 mi. E. and 2.5 mi. S. from, 800 ft. E. of NW. cor. sec. 6, T. 10 N., R. 2 E., 33 ft. S. and 53 ft. W. from junction of T-rd. S., in root on E. side of 8-in. locust tree; copper nail and washer--	672. 80
Pana, 3.9 mi. E. thence 2.5 mi. S. from, near NE cor. sec. 6, T. 10 N., R. 2 E., 230 ft. W. of T-rd. N., on SW. end of SW. concrete wing wall of steel bridge over creek; chiseled square-----	590. 93
7. From Pana along roads west and north to point about 1 mile south of Velma (by E. S. Ersler in 1934; releveled by W. C. Elledge in 1939)	
U. S. C. & G. S. standard disk stamped "K 88" ²⁰ -----	700. 517
Pana, 1.0 mi. along Cleveland, Cincinnati, Chicago & St. Louis Ry. W. of sta., near cor. secs. 16, 17, 20, and 21, T. 11 N., R. 1 E., 22 ft. N. and 34 ft. W. from rd. crossing, 20 ft. NE. of switch signal, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "34 1 1934" (recovered by U. S. C. & G. S. in 1935)-----	696. 905
Pana, 1.0 mi. W. thence 0.3 mi. N. from, 0.25 mi. S. of quarter corner between secs. 16 and 17, T. 11 N., R. 1 E., 20 ft. E. of junction of T-rd. W., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "34 2 1934"-----	688. 677
Pana, 1.2 mi. W. and 0.3 mi. N. from, near center of SE¼ sec. 17, T. 11 N., R. 1 E., on top of N. head wall of concrete bridge; chiseled square (not recovered in 1939)-----	685. 08
Pana, 1.7 mi. W. and 0.5 mi. N. from, 0.35 mi. E. of W¼ cor. sec. 17, T. 11 N., R. 1 E., on N. side of rd., on top of E. head wall of concrete culvert; chiseled square (not recovered in 1939)-----	679. 16
Pana, 2.0 mi. W. and 0.5 mi. N. from, near E¼ cor. sec. 18, T. 11 N., R. 1 E., 25 ft. S. and 15 ft. W. from crossroads, on top of W. head wall of concrete culvert; chiseled square-----	683. 52
Pana, 3.0 mi. W. and 0.5 mi. N. from, near E¼ cor. sec. 13, T. 11 N., R. 1 W., 25 ft. S. and 50 ft. W. from junction of rd. W. at offset crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "34 3 1934" (not recovered in 1939)-----	690. 617
Pana, 3.0 mi. W. and 0.5 mi. N. from, 140 ft. W. of junction of T-rd. W. and E¼ cor. sec. 13, T. 11 N., R. 1 W., 65 ft. N. and 15 ft. W. from junction of private T-rd. N., in root on SW. side of 20-in. maple tree; copper nail and washer (established in 1939)-----	693. 88

²⁰ Not on 1934 line by Ersler.

Pana, 4.0 mi. W. and 0.5 mi. N. from, 3.5 mi. S. of Millersville, near E $\frac{1}{4}$ cor. sec. 14, T. 11 N., R. 1 W., 95 ft. N. and 22 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "34 4 1934" ²¹ -----	Feet 684.910
Pana, 4.0 mi. W. and 0.5 mi. N. from, 3.5 mi. S. of Millersville, near E $\frac{1}{4}$ cor. sec. 14, T. 11 N., R. 1 W., 24 ft. N. and 15 ft. W. from crossroads, on W. head wall of concrete culvert; chiseled square-----	684.62
Millersville, 3.5 mi. S. thence 1.0 mi. W. from, near W $\frac{1}{4}$ cor. sec. 14, T. 11 N., R. 1 W., 100 ft. N. and 130 ft. E. from crossroads, in root on SE. side of 48-in. maple tree; copper nail and washer (established in 1939)-----	675.06
Millersville, 3.5 mi. S. thence 2.2 mi. W. from, 0.25 mi. W. of E $\frac{1}{4}$ cor. sec. 16, T. 11 N., R. 1 W., 45 ft. S. and 65 ft. W. from junction of private T-rd. S., in root on N. side of 36-in. maple tree; copper nail and washer (established in 1939)-----	676.85
Millersville, 3.5 mi. S. thence 3.0 mi. W. from, near W $\frac{1}{4}$ cor. sec. 17, T. 11 N., R. 1 W., 35 ft. S. and 65 ft. E. from crossroads, 1 ft. S. of fence, in garden, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "34 7 1934 Reset 1939"-----	667.813
Millersville, 3.5 mi. S. thence 3.3 mi. W. from, 0.25 mi. W. of E $\frac{1}{4}$ cor. sec. 17, T. 11 N., R. 1 W., 37 ft. N. of rd., 1 ft. S. and 3 ft. W. from T-fence N., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "34 8 1934 Reset 1939"-----	663.326
Millersville, 3.5 mi. S. thence 3.9 mi. W. from, about 400 ft. E. of W $\frac{1}{4}$ cor. sec. 17, T. 11 N., R. 1 W., 400 ft. E. of crossroads, 40 ft. N. and 17 ft. W. from junction of private T-rd. N., in root on SE. side of 36-in. maple tree; copper nail and washer (established in 1939)-----	664.85
Millersville, 4.0 mi. W. thence 3.0 mi. S. from, near SW. cor. sec. 8, T. 11 N., R. 1 W., 20 ft. N. and 15 ft. E. from junction of T-rd. E., on top of E. head wall of concrete culvert; chiseled square-----	656.33
Millersville, 4.0 mi. W. thence 2.2 mi. S. from, 0.25 mi. N. of W $\frac{1}{4}$ cor. sec. 8, T. 11 N., R. 1 E., 25 ft. E. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "34 9 1934" (not recovered in 1939)-----	663.207
Millersville, 4.0 mi. W. thence 2.0 mi. S. from, near NE. cor. sec. 7, T. 11 N., R. 1 W., 47 ft. S. and 20 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 109 LS 1924"---	653.584
Millersville, 4.0 mi. W. thence 1.0 mi. S. from, near SE. cor. sec. 31, T. 12 N., R. 1 W., 120 ft. N. and 70 ft. W. from crossroads, at entrance to Buckeye Prairie Church, on S. end of top step; chiseled square---	646.63
Millersville, 4.0 mi. W. thence 0.3 mi. S. from, 0.34 mi. S. of NW. cor. sec. 32, T. 12 N., R. 1 W., 50 ft. N. and 20 ft. E. from center line of rd. in front of house, in concrete post, U. S. C. & G. S. and State Survey standard disk stamped "34 10 1934"-----	628.971
Millersville, 4.0 mi. W. of, near NE. cor. sec. 31, T. 12 N., R. 1 W., 85 ft. S. and 25 ft. W. from crossroads, in schoolyard, 35 ft. S. of schoolhouse, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "34 11 1934"-----	628.419

²¹ As reset on account of highway construction.

Millersville, 4.0 mi. W. thence 1.0 mi. N. from, 3.4 mi. S. of Velma, near SE. cor. sec. 19, T. 12 N., R. 1 W., 35 ft. N. and 20 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 110 LS 1924"-----	<i>Feet</i> 625. 326
Velma, 3.1 mi. S. of, 0.25 mi. N. of SW. cor. sec. 20, T. 12 N., R. 1 W., 312 ft. N. and 22 ft. E. from center line of rd. in line with fences E. and W., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "34 12 1934"-----	624. 580
Velma, 2.6 mi. S. of, 2.0 mi. W. thence 0.3 mi. S. from Owaneco, 0.25 mi. S. of NE. cor. sec. 19, T. 12 N., R. 1 W., 23 ft. W. of rd., in root of 38-in. elm tree; spike (not recovered in 1939)-----	621. 13
Velma, 1.6 mi. S. of, 0.25 mi. S. of NW. cor. sec. 17, T. 12 N., R. 1 W., 6 ft. S. and 20 ft. E. from center line of rd. in line with fence E., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "34 13 1934"-----	619. 625
Velma, 1.4 mi. S. of, near NE. cor. sec. 18, T. 12 N., R. 1 W., 66 ft. S. and 18 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "34 14 1934"-----	614. 226

[Continued in Assumption quadrangle, line 8]

8. From crossroads 3.5 miles south and 4 miles west from Millersville west along road 0.9 mile to point 1.8 miles south and 2.6 miles east from Vanderville (by E. S. Ersler in 1939; single spur line)

Millersville, 3.5 mi. S. thence 4.7 mi. W. from, 1.8 mi. S. thence 2.8 mi. E. from Vanderville, 0.24 mi. E. of W $\frac{1}{4}$ cor. sec. 18, T. 11 N., R. 1 W., 22 ft. S. of rd., in front of residence of C. F. Wieneke, at gate, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "34 15 1934"-----	661. 469
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[Continued in Morrisonville quadrangle, line 3]

PARIS QUADRANGLE

[Latitude 39°30'–39°45'; longitude 87°30'–87°45']

EDGAR COUNTY

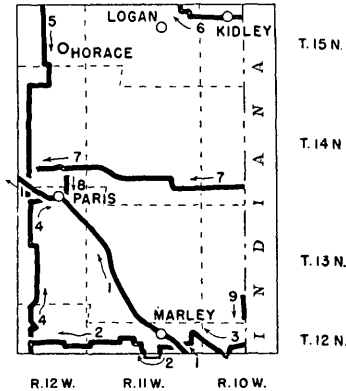


FIGURE 196.—Lines of leveling in Paris quadrangle.

1. From point 1.5 miles southeast of Marley northwest along Vandalia Railroad²² to point 2.2 miles southeast of Mays (by C. H. Semper in 1907; first-order leveling)

[Continued from Marshall quadrangle, line 1]

Marley, at NE. corner of Methodist Episcopal Church, in front face, in brick foundation; aluminum tablet stamped "644" (recovered in 1931)	Feet 643. 562
Marley, 2.1 mi. NW. of, 5.5 mi. SE. of Paris, 750 ft. SE. of milepost "T. H. 15," 235 ft. SE. of rd. crossing, on W. side of track, in culvert under R. R. fill; aluminum tablet stamped "673"	672. 558
Paris, 3.3 mi. SE. of, at McCord School, 300 ft. E. of track, 100 ft. E. of rd., in front face of schoolhouse, near SW. corner; aluminum tablet stamped "728"	727. 472
Paris, at E. end of Vandalia R. R. freight sta., in wall; aluminum tablet stamped "739" (recovered in 1936)	738. 634

[Continued in Kansas quadrangle, line 2]

2. From Marley southeast along Pennsylvania Railroad 1 mile, thence generally west along roads to point 1.1 miles north and 3 miles west from Oliver (by S. R. Archer in 1931)

Marley, 1.0 mi. SE. of, 65 ft. N. of rd. crossing, at fence line, in root on N. side of 10-in. elm tree; copper nail and washer	628. 74
Marley, 0.7 mi. S. of, 0.12 mi. E. of center of NE 1/4 sec. 10, T. 12 N., R. 11 W., about 630 ft. E. of T-junction of N.-S. rd., on top of W. end of S. head wall of concrete culvert; chiseled square	593. 95

[Jogs into Marshall quadrangle, line 2]

²² Now part of the Pennsylvania R. R.

	<i>Feet</i>
Marley, 0.5 mi. S. and 1.2 mi. W. from, near S $\frac{1}{4}$ cor. sec. 4, T. 12 N., R. 11 W., 27 ft. N. and 20 ft. E. from T-junction of N-S. rd., in concrete post; standard tablet stamped "T T Sta No 101 F 1929"-----	611. 002
Marley, 0.2 mi. S. and 1.3 mi. W. from, 0.25 mi. S. of center of sec. 4, T. 12 N., R. 11 W., 135 ft. W. of junction of T-rd. W., on N. side of rd., in root on W. side of 18-in. oak tree; copper nail and washer-----	614. 05
Marley, 0.5 mi. S. and 2.0 mi. W. from, 0.25 mi. W. of SE. cor. sec. 5, T. 12 N., R. 11 W., 135 ft. W. of junction of T-rd. W., on N. side of rd., inside and 5 ft. N. of fence, in line with W. side of barn, in root on N. side of 15-in. oak tree; copper nail and washer-----	617. 38
Marley, 0.5 mi. S. and 2.7 mi. W. from, near SW. cor. sec. 5, T. 12 N., R. 11 W., in NE. corner of crossroads, on top of E. head wall of concrete culvert under rd. N.; chiseled square-----	639. 83
Marley, 0.5 mi. S. and 3.5 mi. W. from, 1.5 mi. N. of Oliver, about 0.2 mi. E. of W. cor. secs. 6 and 7, T. 12 N., R. 11 W., 3 ft. N. and 30 ft W. from T-junction of State Highway 1, in concrete post; standard tablet stamped "T T Sta No 102 F 1929"-----	636. 036
Reference mark, 75 ft. E. of rd. junction, on N. side of rd., on top of E. head wall of culvert under driveway to barn lot; chiseled square-----	636. 50
Oliver, 1.2 mi. N. of, near center of NW $\frac{1}{4}$ sec. 7, T. 12 N., R. 11 W., 270 ft. N. of junction of T-rd. W., on top of S. end of W. head wall of concrete culvert; chiseled square-----	631. 68
Oliver, 1.2 mi. N. thence 0.5 mi. W. from, at crossing of Cleveland, Cincinnati, Chicago & St. Louis Ry.; top of W. rail of main track-----	646. 8
Oliver, 1.2 mi. N. thence 1.3 mi. W. from, 0.23 mi. W. of NE. cor. sec. 14, T. 12 N., R. 12 W., 85 ft. E. of junction of N-S. rd., on top of W. end of S. head wall of concrete culvert; chiseled square-----	603. 66
Oliver, 1.4 mi. N. and 1.8 mi. W. from, near center of SW $\frac{1}{4}$ sec. 11, T. 12 N., R. 12 W., at ford of Big Creek, on W. end, 2 ft. S. of N. edge of concrete paving through ford; large chiseled square-----	587. 54
Oliver, 1.4 mi. N. and 2.2 mi. W. from, near center of SE $\frac{1}{4}$ sec. 10, T. 12 N., R. 12 W., 95 ft. E. of junction of T-rd. S., on N. side of rd., in root on NW. side of 8-in. wild-cherry tree; copper nail and washer-----	640. 58
Oliver, 1.4 mi. N. and 3.0 mi. W. from, 0.3 mi. S. and 1.5 mi. E. from Flemington, 0.25 mi. N. of SE. cor. sec. 9, T. 12 N., R. 12 W., 20 ft. S. and 40 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 103 F 1929"-----	643. 611
Reference mark 1, 30 ft. N. and 70 ft. E. from crossroads, in root on SE. side of 36-in. oak tree; copper nail and washer-----	643. 43
Reference mark 2, in SW. corner of crossroads, on top of S. head wall of concrete culvert under rd. W.; chiseled square-----	645. 01

[Continued in Marshall quadrangle, line 3]

3. From Illinois-Indiana State line along roads generally west and northwest to Elbridge, thence south and west to point on Pennsylvania Railroad 1 mile southeast of Marley (by S. R. Archer in 1931)

[Continued from Indiana]

Elbridge, 0.8 mi. S. and 2.7 mi. E. from, near center of NW $\frac{1}{4}$ sec. 9, T. 12 N., R. 10 W., 90 ft. N. and 85 ft. W. from intersection of highway and Illinois-Indiana State line, in root on SE. side of 24-in. persimmon tree; copper nail and washer-----	611. 24
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1168 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Elbridge, 0.8 mi. S. and 2.0 mi. E. from, 0.5 mi. N. and 2.0 mi. E. from Ferrell, about 0.25 mi. N. of center of sec. 8, T. 12 N., R. 10 W., 50 ft. S. of rd. junction, 50 ft. N. of point in rd. in front of schoolhouse, on W. side of rd., in root on W. side of 18-in. walnut tree; copper nail and washer-----	Fect 608.84
[Jogs into Marshall quadrangle, line 6]	
Elbridge, 0.8 mi. SE. of, in SW $\frac{1}{4}$ sec. 6, T. 12 N., R. 10 W., 20 ft. S. of junction of rd. E., on W. side of rd., at S. side of W. end of concrete culvert, on W. end of concrete retaining wall; chiseled square-----	543.14
Elbridge, 0.8 mi. SE. of, in SW $\frac{1}{4}$ sec. 6, T. 12 N., R. 10 W., 300 ft. E. of junction of rd. E., on N. side of rd., in root on W. side of 15-in. hackberry tree; copper nail and washer-----	538.99
Elbridge, near center of sec. 1, T. 12 N., R. 11 W., 30 ft. N. of junction of rd. S., 5 ft. W. of fence corner, in concrete post; standard tablet stamped "T T Sta No 100 F 1929"-----	685.072
Reference mark, 260 ft. E. of tablet, on S. side of street, at N. entrance to barber shop, on top of NW. corner of concrete platform; chiseled square-----	681.67
Elbridge, 0.5 mi. S. of, 0.5 mi. S. and 1.8 mi. E. from Marley, near quarter corner between secs. 1 and 12, T. 12 N., R. 11 W., on E. side of rd., in line with center of T-rd. W., in root on W. side of forked pear tree; copper nail and washer-----	643.92
4. From crossroads 0.3 mile south and 1.5 miles east from Flemington along roads generally north to point 2.8 miles west of Paris, thence east to Paris (by S. R. Archer in 1931)	
Flemington, 0.5 mi. N. and 1.6 mi. E. from, near SW. cor. sec. 3, T. 12 N., R. 12 W., 75 ft. NW. of rd. junction, at concrete bridge over Big Creek, on top of E. parapet of S. abutment; chiseled square-----	616.94
Flemington, 1.5 mi. N. and 1.5 mi. E. from, near NW. cor. sec. 3, T. 12 N., R. 12 W., 150 ft. E. of junction of T-rd. E., on E. end of S. head wall of concrete culvert; chiseled square-----	674.59
Flemington, 1.8 mi. N. and 1.5 mi. E. from, 2.8 mi. W. thence 5.6 mi. S. from Paris, 0.3 mi. N. of SW. cor. sec. 34, T. 13 N., R. 12 W., 30 ft. N. and 10 ft. E. from junction of NE-SW. rd., in concrete post; standard tablet stamped "T T Sta No 76 F 1929" (recovered in 1932)-----	714.296
Reference mark, 260 ft. NE. and 110 ft. N. from rd. junction, in root on S. side of 36-in. maple tree; copper nail and washer (recovered in 1932)-----	711.32
Paris, 2.8 mi. W. thence 4.7 mi. S. from, 0.25 mi. W. of S $\frac{1}{4}$ cor. sec. 27, T. 13 N., R. 12 W., 160 ft. N. of section line, on E. side of rd., 20 ft. N. of SW. corner of yard of residence, in root on W. side of 15-in. maple tree; copper nail and washer-----	745.30
Paris, 2.8 mi. W. thence 3.7 mi. S. from, 0.25 mi. W. of S $\frac{1}{4}$ cor. sec. 22, T. 13 N., R. 12 W., in NW. corner of crossroads, on top of N. head wall of concrete culvert under rd. W.; chiseled square-----	720.97
Paris, 2.8 mi. W. thence 2.6 mi. S. from, 0.25 mi. W. of S $\frac{1}{4}$ cor. sec. 15, T. 13 N., R. 12 W., 600 ft. N. of section line, 400 ft. S. of rd. junction, on N. end of E. head wall of concrete culvert; chiseled square--	697.56
Paris, 2.8 mi. W. thence 2.2 mi. S. from, about 0.25 mi. N. of SE. cor. sec. 16, T. 13 N., R. 12 W., 10 ft. N. and 20 ft. W. from T-junction of E.-W. rd., in concrete post; standard tablet stamped "T T Sta No 77 F 1929"-----	718.003

Paris, 2.8 mi. W. thence 1.5 mi. S. from, near E. cor. secs. 9 and 16, T. 13 N., R. 12 W., in SW. angle of intersection of State Highway 16, on top of S. end of W. head wall of concrete culvert; chiseled square-----	<i>Feet</i> 719. 30
Paris, 2.8 mi. W. thence 0.5 mi. S. from, near W. cor. secs. 3 and 10, T. 13 N., R. 12 W., 45 ft. N. and 20 ft. E. from intersection of Cleveland, Cincinnati, Chicago & St. Louis Ry., 10 ft. S. and 20 ft. E. from junction of T-rd. W., in concrete post; standard tablet stamped "T T Sta No 78 F 1929"-----	723. 414
Paris, 2.8 mi. W. of, at North Union School, near E $\frac{1}{4}$ cor. sec. 4, T. 13 N., R. 12 W., 40 ft. S. and 35 ft. W. from crossroads, in NE. corner of schoolyard, in root on N. side of 24-in. maple tree; copper and nail and washer (recovered in 1935)-----	720. 65
Reference mark, 110 ft. W. of crossroads, on N. side of rd., at fence line, in root on SW. side of 30-in maple tree; copper nail and washer-----	719. 40
Paris, 2.6 mi. W. of, 0.23 mi. E. of W $\frac{1}{4}$ cor. sec. 3, T. 13 N., R. 12 W., 225 ft. E. of gate to farmhouse on N. side of rd., on E. end of N. head wall of concrete culvert; chiseled square (recovered in 1935)-----	717. 35
Paris, 1.7 mi. W. of, 445 ft. E. of W $\frac{1}{4}$ cor. sec. 2, T. 13 N., R. 12 W., on top near center of S. end of concrete culvert; chiseled square-----	722. 51
Paris, at W. edge of, in NW. angle of intersection of Springfield Street and C. C. C. & St. L. Ry., midway between tracks of C. C. C. & St. L. Ry. and Pennsylvania R. R., on top, midway of S. side of concrete foundation of steel floodlight tower; chiseled square-----	737. 30
5. From point 1.5 miles west and 0.4 mile south from Edgar generally south along roads to crossroads 2.8 miles west of Paris (by S. R. Archer in 1935)	
[Connects with line 1 in Ridge Farm quadrangle]	
Edgar, 1.5 mi. W. thence 0.8 mi. S. from, 1.0 mi. W. thence 1.7 mi. N. from Horace, 0.16 mi. N. of W $\frac{1}{4}$ cor. sec. 23, T. 15 N., R. 12 W., on E. side of rd., in field, in root on E. side of 25-in. Osage-orange tree; copper nail and washer-----	649. 28
Horace, 1.0 mi. W. thence 1.0 mi. N. from, near NE. cor. sec. 27, T. 15 N., R. 12 W., 45 ft. S. of crossroads, on W. side of rd., in yard of farmhouse, in root on E. side of 30-in. maple tree; copper nail and washer-----	655. 37
Horace, 1.0 mi. W. of, near NW. cor. sec. 35, T. 15 N., R. 12 W., 30 ft. S. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 81 F 1929 664"-----	664. 497
Horace, 1.0 mi. W. thence 0.9 mi. S. from, 550 ft. N. of SE. cor. sec. 34, T. 15 N., R. 12 W., 550 ft. N. of T-junction of E.-W. rd., on S. end of W. head wall of concrete culvert under rd. N.; chiseled square-----	661. 14
Horace, 1.0 mi. W. thence 2.0 mi. S. from, near SE. cor. sec. 3, T. 14 N., R. 12 W., 40 ft. W. of crossroads, on top of N. head wall of culvert; chiseled square-----	663. 98
Horace, 2.0 mi. S. and 2.0 mi. W. from, near SW. cor. sec. 3, T. 14 N., R. 12 W., 250 ft. E. of junction of T-rd. S., on N. side of rd., at fence line, in root on S. side of 24-in. hackberry tree; copper nail and washer-----	675. 25
Horace, 3.0 mi. S. and 2.0 mi. W. from, 2.8 mi. W. thence 4.5 mi. N. from Paris, near NE. cor. sec. 16, T. 14 N., R. 12 W., 40 ft. S. and 20 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 80 F 1929 692"-----	691. 741

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Paris, 2.8 mi. W. thence 3.5 mi. N. from, near NW. cor. sec. 22, T. 14 N., R. 12 W., 20 ft. S. of junction of T-rd. W., 40 ft. S. of private rd. E., on N. end of SE. concrete head wall of diagonal culvert; chiseled square-----	Feet 678.24
Paris, 2.8 mi. W. thence 2.5 mi. N. from, near NE. cor. sec. 28, T. 14 N., R. 12 W., in SW. corner of crossroads, on top of S. end of W. head wall of concrete culvert under rd. S.; chiseled square--	675.65
Paris, 2.8 mi. W. thence 1.5 mi. N. from, near NW. cor. sec. 34, T. 14 N., R. 12 W., 40 ft. S. and 20 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 79 F 1929 695" (recovered in 1936)-----	694.830
Reference mark, 30 ft. N. and 30 ft. E. from crossroads, 10 ft. N. of fence corner, outside fence, in root on W. side of large forked locust tree; copper nail and washer (recovered in 1936)-----	693.82
Paris, 2.8 mi. W. thence 0.5 mi. N. from, near NE. cor. sec. 4, T. 13 N., R. 12 W., at offset crossroads, in SW. corner of junction of T-rd. S., on angular corner of W. head wall of concrete culvert under rd. S.; chiseled square-----	707.60
<p>6. From point on Illinois-Indiana State line 0.5 mile east of Kidley alternately west and north along roads to point 1.1 miles north and 1 mile east from Logan (by S. R. Archer in 1936)</p> <p>[Continued from Indiana]</p>	
Kidley, near E $\frac{1}{4}$ cor. sec. 17, T. 15 N., R. 10 W., in SW. corner of crossroads, on S. end of W. head wall of concrete culvert under rd. S.; chiseled square-----	613.07
Kidley, 1.0 mi. W. of, near W $\frac{1}{4}$ cor. sec. 17, T. 15 N., R. 10 W., 20 ft. N. and 25 ft. E. from junction of T-rd. N., in concrete post; standard tablet stamped "T T 122 F 1929 606"-----	606.740
Kidley, 1.9 mi. W. of, near E $\frac{1}{4}$ cor. sec. 13, T. 15 N., R. 11 W., 235 ft. N. of T-junction of N-S. rd., on W. side of rd., in front of farmhouse, at yard gate, on S. end of lowest of three concrete steps; chiseled square-----	583.89
Kidley, 0.2 mi. N. and 2.4 mi. W. from, 0.7 mi. N. and 1.0 mi. E. from Logan, 0.25 mi. N. of center of sec. 13, T. 15 N., R. 11 W., 20 ft. N. of right angle in rd., on top of N. end of E. concrete head wall of drain; chiseled square-----	555.74
[Continued in Ridge Farm quadrangle, line 6]	
<p>7. From point on Illinois-Indiana State line 1 mile north and 0.5 mile west from Libertyville, Ind., along roads generally west to crossroads 1.5 miles north and 2.8 miles west from Paris (by S. R. Archer in 1936)</p> <p>[Continued from Indiana]</p>	
Libertyville, Ind., 1.0 mi. N. thence 1.0 mi. W. from, near SW. cor. sec. 28, T. 14 N., R. 10 W., 130 ft. E. of crossroads, on N. side of rd., in root on SE. side of 24-in. walnut tree; copper nail and washer-----	612.80
Libertyville, Ind., 1.0 mi. N. thence 2.0 mi. W. from, near SW. cor. sec. 29, T. 14 N., R. 10 W., in NE. angle of crossroads, 5 ft. E. of fence corner, in root on NW. side of 5-in. hedge tree; copper nail and washer-----	629.04

Libertyville, Ind., 1.0 mi. N. thence 2.9 mi. W. from, 0.5 mi. N. and 6.2 mi. E. from Edgar County courthouse in Paris, near SW. cor. sec. 30, T. 14 N., R. 10 W., at jog in E.-W. rd., 55 ft. N. and 115 ft. E. from junction of rd. W. at E. cor. secs. 25 and 36, T. 14 N., R. 11 W., 20 ft. N. and 115 ft. E. from junction of rds. S. and E. at W. cor. secs. 30 and 31, T. 14 N., R. 10 W., in concrete post; standard tablet stamped "T T 121 F 1929 640"-----	<i>Feet</i> 639.756
Paris, 0.9 mi. N. and 5.2 mi. E. from, 0.15 mi. S. of E $\frac{1}{4}$ cor. sec. 26, T. 14 N., R. 11 W., about 800 ft. S. of junction of T-rd. W., at concrete bridge over Coal Creek, on W. parapet of S. abutment; chiseled square-----	643.31
Paris, 1.0 mi. N. and 5.0 mi. E. from, about 0.2 mi. W. of E $\frac{1}{4}$ cor. sec. 26, T. 14 N., R. 11 W., at bridge over Coal Creek, on SW. end of S. wing wall of W. concrete abutment; chiseled square-----	649.86
Paris, 1.0 mi. N. and 4.2 mi. E. from, near E $\frac{1}{4}$ cor. sec. 27, T. 14 N., R. 11 W., 65 ft. W. of crossroads, on S. side of rd., at fence line, in root on N. side of 12-in. hedge tree; copper nail and washer--	682.03
Paris, 1.0 mi. N. and 3.2 mi. E. from, near E $\frac{1}{4}$ cor. sec. 28, T. 14 N., R. 11 W., 20 ft. N. and 425 ft. W. from junction of T-rd. S., 15 ft. W. of SE. corner of schoolyard, in concrete post; standard tablet stamped "T T 120 F 1929 677"-----	696.710
Paris, 1.0 mi. N. and 2.4 mi. E. from, about 0.3 mi. W. of center of sec. 28, T. 14 N., R. 11 W., 45 ft. E. of junction of NE-SW. rd., on S. head wall of concrete culvert; chiseled square-----	689.29
Paris, 1.5 mi. N. thence 1.8 mi. E. from, near E. cor. fractional secs. 29 and 32, T. 14 N., R. 11 W., which lie on W. side of old Indian Boundary Line, 80 ft. W. of junction of rd. W., on S. side of rd., in fence line, in top of bent trunk on S. side of 5-in. oak tree; copper nail and washer-----	683.44
Paris, 1.5 mi. N. thence 0.7 mi. E. from, 0.17 mi. W. of quarter corner between secs. 30 and 31, T. 14 N., R. 11 W., at steel bridge over creek, on N. parapet of E. abutment; chiseled square-----	642.93
Paris, 1.5 mi. N. thence 0.4 mi. E. from, near SE. cor. sec. 25, T. 14 N., R. 12 W., in NW. corner of crossroads, on W. end of N. angular concrete head wall of culvert under rd. W.; chiseled square-----	672.42
Paris, 1.5 mi. N. of courthouse, at N. edge of city, 20 ft. S. and 35 ft. E. from intersection of State Highway 1, in concrete post; standard tablet stamped "T T 119 F 1929 680"-----	679.798
Paris, 1.5 mi. N. thence 0.7 mi. W. from, in SE $\frac{1}{4}$ sec. 26, T. 14 N., R. 12 W., in NW. corner of junction of rd. W., on W. end of N. angular head wall of concrete culvert under rd. W.; chiseled square-----	691.58
Paris, 1.5 mi. N. thence 1.6 mi. W. from, near N. cor. secs. 34 and 35, T. 14 N., R. 12 W., on S. side of rd., 40 ft. E. of NE corner of schoolhouse, 55 ft. S. and 10 ft. W. from NE. corner of schoolyard, in root on SW. side of 24-in. maple tree; copper nail and washer-----	691.24
8. From point on State Highway near north limits of Paris south along streets to Pennsylvania Railroad freight station (by S. R. Archer in 1936)	
Paris triangulation sta. (U. S. C. & G. S.), at Paris, in SW. corner of Edgar County courthouse grounds, in concrete post; U. S. C. & G. S. standard disk stamped "Paris"-----	726.301

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9. From Sandford, Ind., south along Illinois-Indiana State line
about 1.5 miles (by S. R. Archer in 1936)

[Continued from Indiana]

Sandford, Ind., 0.8 mi. S. of, 150 ft. S. of crossroads and line between secs. 28 and 33, T. 13 N., R. 10 W., on E. side of rd., at fence line, in root on W. side of 12-in. oak tree; copper nail and washer ²³ -----	<i>Feet</i> 624.66
Sandford, Ind., 1.5 mi. S. of, in SW¼ sec. 33, T. 13 N., R. 10 W., 25 ft. N. and 30 ft. W. from T-junction of E.-W. rd., in concrete post; standard tablet stamped "T T 99 F 1929 564"-----	564.124

[Continued in Indiana]

²³ This bench mark is in Indiana.

PAXTON QUADRANGLE

[Latitude 40°15'–40°30' ; longitude 88°00'–88°15']

CHAMPAIGN, FORD, AND IROQUOIS COUNTIES

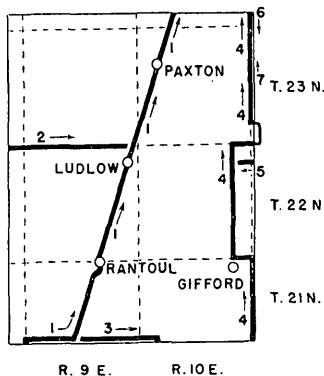


FIGURE 197.—Lines of leveling in Paxton quadrangle.

1. From point 0.5 mile north and 2.5 miles west from Thomasboro along roads north 0.2 mile, thence east to intersection of U. S. Highway 45, thence northeast to point 2.9 miles northeast of Paxton (by S. R. Archer in 1924; leveled twice from point 1 mile northeast of Ludlow)

[Continued from Urbana quadrangle, line 6]

Thomasboro, 0.7 mi. N. and 2.2 mi. W. from, 4.1 mi. SW. thence 2.3 mi. W. from Rantoul, 0.25 mi. E. of SW. cor. sec. 19, T. 21 N., R. 9 E., 0.25 mi. E. of crossroads, 75 ft. N. and 55 ft. W. from point in rd. directly in front of farmhouse on N. side of rd., 50 ft. N. and 10 ft. W. from SW. corner of yard, in root on W. side of 24-in. boxelder tree, southernmost of row of trees; copper nail and washer	Feet 755.88
Rantoul, 4.1 mi. SW. thence 1.5 mi. W. from, 480 ft. E. of SW. cor. sec. 20, T. 21 N., R. 9 E., 480 ft. E. of crossroads, on E. end of N. head wall of concrete culvert; chiseled square	742.29
Rantoul, 4.1 mi. SW. of, 0.06 mi. E. of S¼ cor. sec. 21, T. 21 N., R. 9 E., 45 ft. N. and 25 ft. E. from intersection of U. S. highway 45, 13 ft. N. of fence corner, in concrete post; standard tablet stamped "36 A 1924"	731.518
Reference mark, 30 ft. S. and 55 ft. E. from crossroads, 30 ft. E. of fence corner, in field, in root on NW. side of 15-in. maple tree; copper nail and washer	731.25
Rantoul, 3.1 mi. SW. of, 0.12 mi. W. of NE. cor. sec. 21, T. 21 N., R. 9 E., 85 ft. E. of crossroads, on S. side of rd., in yard of residence, in root on W. side of 24-in. poplar tree; copper nail and washer	735.57
Rantoul, 2.0 mi. SW. of, at Thrasher School, 0.2 mi. E. of NW. cor. sec. 15, T. 21 N., R. 9 E., in SW. angle of crossroads, in N. end of W. head wall of concrete culvert under highway, at junction of wing wall; standard tablet stamped "37 A 1924" ²⁴	734.414

²⁴ In 1942 this bench mark was moved to southwest wing wall of concrete bridge and reset at an elevation of 0.920 ft. lower than originally determined. The figures given represent the new elevation.

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Rantoul, 0.9 mi. SW. of, 0.05 mi. E. of S $\frac{1}{4}$ cor. sec. 3, T. 21 N., R. 9 E., 170 ft. N. of section-line crossing, on E. head wall of concrete culvert under highway; chiseled square-----	Feet 745.07
Rantoul, near S. limits of, at entrance to Chanute Flying Field, 0.08 mi. SW. of E $\frac{1}{4}$ cor. sec. 3, T. 21 N., R. 9 E., 300 ft. SW. of junction of rd. S., on N. head wall of concrete culvert; chiseled square-----	744.95
Rantoul, at NE. corner of intersection of Chandler and Champaign Streets, E. of SE. corner of public park, 3 ft. NW. of storm sewer opening, on concrete curb; chiseled square-----	745.00
Rantoul, at Rantoul Grade School, on E. side of Hedrick Street between Congress and Champaign Streets, in angle between sidewalk along Hedrick Street and sidewalk leading to W. entrance of school, in concrete post; standard tablet stamped "38 A 1924"-----	747.882
Rantoul, 8 ft. S. of NW. corner of Kankakee & Urbana Traction Co. sta., in SE. angle of intersection of Chandler Street and Sangamon Avenue, on stone windowsill; chiseled square-----	752.23
Rantoul, in NE. angle of intersection of Chandler Street and Grove Avenue, at SW. corner of Catholic churchyard, 3 ft. NW. of storm sewer opening, on concrete curb; chiseled square-----	750.08
Rantoul, 1.0 mi. N. of, 0.13 mi. W. of center of NW $\frac{1}{4}$ sec. 35, T. 22 N., R. 9 E., on E. side of rd., on N. side of private rd. E., in root on W. side of 24-in. hedge tree; copper nail and washer-----	744.27
Rantoul, 1.7 mi. NE. of, at Maplewood Cemetery, 0.15 mi. S. and 0.2 mi. W. from center of sec. 26, T. 22 N., R. 9 E., 600 ft. N. of junction of rd. W., 75 ft. N. of main entrance to cemetery, on E. side of highway, in root on SW. side of 15-in. pine tree; copper nail and washer-----	743.90
Rantoul, 2.3 mi. NE. of, near N $\frac{1}{4}$ cor. sec. 26, T. 22 N., R. 9 E., 270 ft. S. of crossroads, on E. head wall of concrete culvert; chiseled square-----	754.19
Rantoul, 3.4 mi. NE. of, 2.2 mi. SW. of Ludlow, 0.17 mi. W. of SE. cor. sec. 14, T. 22 N., R. 9 E., 35 ft. N. and 28 ft. E. from crossroads, 3 ft. N. of fence corner, in concrete post; standard tablet stamped "39 A 1924"-----	783.341
Reference mark, in SW. angle of crossroads, on S. head wall of concrete culvert under rd. W.; chiseled square-----	785.28
Ludlow, 1.4 mi. SW. of, 0.15 mi. W. of center of NW $\frac{1}{4}$ sec. 13, T. 22 N., R. 9 E., in NW. angle of crossroads, on N. head wall of concrete culvert under rd. W.; chiseled square-----	780.26
Ludlow, 0.8 mi. SW. of, near center of SW $\frac{1}{4}$ sec. 12, T. 22 N., R. 9 E., at SE. corner of concrete highway bridge, on parapet; chiseled square-----	761.60
Ludlow, at Illinois Central R. R. sta., 75 ft. E. of north-bound track, on W. side of highway and Kankakee & Urbana Traction Co. line, on N. side of street, at SE. corner of park, in corner of iron railing around park, in concrete post; standard tablet stamped "40 A 1924"-----	772.429
Reference mark, 55 ft. W. of tablet, on S. side of sta., 20 ft. E. of north-bound track, on N. side of street, in SW. corner of park, in root on S. side of 30-in. elm tree; copper nail and washer-----	773.28
Ludlow, 1.0 mi. NE. of, at Champaign-Ford county line, 0.2 mi. W. of NE. cor. sec. 1, T. 22 N., R. 9 E., in SW. corner of crossroads, on S. head wall of concrete culvert under rd. W.; chiseled square-----	754.89
Ludlow, 1.6 mi. NE. of, 0.1 mi. N. of E $\frac{1}{4}$ cor. sec. 36, T. 23 N., R. 9 E., at intersection of range-line rd., on W. side of highway, 25 ft. N. of rd. S., 130 ft. S. of rd. N., on top near center of W. head wall of concrete bridge; chiseled square-----	745.03

Ludlow, 2.3 mi. NE. of, 3.0 mi. SW. of Ford County courthouse at Paxton, 0.05 mi. W. of center of SW $\frac{1}{4}$ sec. 30, T. 23 N., R. 10 E., at bridge over Middle Fork of Vermilion River, in parapet at W. end of S. concrete abutment; standard tablet stamped "41 A 1924"-----	<i>Feet</i> 733. 908
Paxton, 2.3 mi. SW. of, 0.05 mi. W. of N $\frac{1}{4}$ cor. sec. 30, T. 23 N., R. 10 E., 240 ft. S. of crossroads, on E. head wall of concrete culvert; chiseled square-----	738. 52
Paxton, 1.2 mi. SW. of, 0.25 mi. W. of NE. cor. sec. 19, T. 23 N., R. 10 E., 15 ft. S. of section line, on W. head wall of concrete culvert; chiseled square-----	752. 86
Paxton, at intersection of Railroad Avenue and East Franklin Street, at E. end of Franklin Street steel overhead footbridge over R. R., on N. end of concrete foundation, at foot of steps leading to bridge; chiseled square-----	786. 93
Paxton, at E. end of Pells Avenue concrete arch bridge over I. C. R. R., on NE. side of bridge, on W. side at foot of electric light pedestal; chiseled square-----	794. 81
Paxton, at NW. corner of intersection of North Taft and West State Streets, at SE. corner of yard of Ford County courthouse, in corner between walk along E. side of yard and diagonal walk leading to courthouse, in concrete post; standard tablet stamped "42 A 1924" (recovered by U. S. C. & G. S. in 1935)-----	792. 804
Paxton, at N. city limits, 0.23 mi. W. of center of sec. 8, T. 23 N., R. 10 E., at end of concrete pavement of highway, in front of concrete post marked "City Limits S. B. 33," on E. edge of pavement; chiseled square-----	784. 41
Paxton, 0.9 mi. NE. of courthouse, 0.07 mi. W. of N $\frac{1}{4}$ cor. sec. 8, T. 23 N., R. 10 E., 140 ft. S. of crossroads, on N. end of W. head wall of concrete culvert; chiseled square-----	776. 94
Paxton, 2.0 mi. NE. of, at Ford-Iroquois county line, 0.25 mi. W. of SE. cor. sec. 32, T. 24 N., R. 10 E., in NE. angle of crossroads, on N. head wall of concrete culvert under rd. E.; chiseled square-----	787. 42
[Continued in Buckley quadrangle, line 1]	
2. From point 4.5 miles south and 1.1 miles east from Elliott east along Ford-Champaign county-line road to intersection of U. S. Highway 45 at point 1 mile northeast of Ludlow (by S. R. Archer in 1924)	
[Connects with line 2 in Gibson City quadrangle]	
Elliott, 4.5 mi. S. thence 2.0 mi. E. from, 1.0 mi. NE. thence 5.8 mi. W. from Ludlow, near SW. cor. sec. 31, T. 23 N., R. 9 E., in NE. angle of crossroads, at SE. corner of concrete culvert under rd. N., on E. end of wing wall; chiseled square-----	770. 03
Ludlow, 1.0 mi. NE. thence 4.8 mi. W. from, near SE. cor. sec. 31, T. 23 N., R. 9 E., in NW. angle of crossroads, on S. end of W. head-wall of concrete culvert under rd. N.; chiseled square-----	771. 78
Ludlow, 1.0 mi. NE. thence 3.6 mi. W. from, 0.14 mi. E. of NW. cor. sec. 4, T. 22 N., R. 9 E., 0.14 mi. W. of crossroads, on S. side of rd., at corner of fence S., in root on NW. side of 24-in. tree, westernmost of row of five maple trees; copper nail and washer-----	822. 62
Ludlow, 1.0 mi. NE. thence 2.8 mi. W. from, near SE. cor. sec. 33, T. 23 N., R. 9 E., 30 ft. N. and 110 ft. W. from junction of rd. S., 30 ft. N. and 34 ft. W. from junction of rd. N., 1 ft. S. and 4 ft. W. from fence corner, in concrete post; standard tablet stamped "59 A 1924"-----	805. 533

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Reference mark, 60 ft. S. and 75 ft. E. from tablet, in SW. angle of junction of rd. S., at fence corner, in root on N. side of large forked willow tree; copper nail and washer-----	<i>Feet</i> 806. 13
Ludlow, 1.0 mi. NE. thence 2.0 mi. W. from, 0.16 mi. W. of NE. cor. sec. 3, T. 22 N., R. 9 E., 0.16 mi. W. of crossroads, at fence line on S. side of rd., on W. bank of drain, in root on N. side of 12-in. hackberry tree; copper nail and washer-----	770. 96
Ludlow, 1.0 mi. NE. thence 1.2 mi. W. from, 0.1 mi. W. of S $\frac{1}{4}$ cor. sec. 35, T. 23 N., R. 9 E., on E. end of N. head wall of concrete culvert; chiseled square-----	764. 36
Ludlow, 1.0 mi. NE. thence 0.8 mi. W. from, at cor. secs. 1, 2, 35, and 36, Tps. 22 and 23 N., R. 9 E., at center of crossroads, on stone marking section corner; chiseled square-----	763. 06
Ludlow, 1.0 mi. NE. thence 0.3 mi. W. from, near quarter corner between secs. 1 and 36, Tps. 22 and 23 N., R. 9 E., at NE. corner of concrete bridge, at foot of E. post of iron railing; chiseled square--	752. 88
3. From U. S. Highway 45 at point 4.1 miles southwest of Rantoul along roads east 4.5 miles, thence south 0.3 mile to point 0.5 mile north and 4.5 miles east from Thomasboro (by W. R. Broaddus in 1924)	
Rantoul, 4.1 mi. SW. thence 0.5 mi. E. from, near NW. cor. sec. 27, T. 21 N., R. 9 E., 15 ft. S. and 245 ft. E. from junction of T-rd. N., in root on N. side of 48-in. cottonwood tree; copper nail and washer--	730. 74
Rantoul, 4.0 mi. S. of, near SW. cor. sec. 23, T. 21 N., R. 9 E., 280 ft. N. and 35 ft. E. from crossroads, 30 ft. SW. of SW. corner of farmhouse, in root on S. side of 24-in. maple tree; copper nail and washer-----	732. 26
Rantoul, 4.0 mi. S. thence 1.0 mi. E. from, near NE. cor. sec. 26, T. 21 N., R. 9 E., 45 ft. S. and 25 ft. W. from crossroads, 20 ft. S. of corner of hedge fence, in root on W. side of 8-in. hedge tree; copper nail and washer-----	719. 87
Rantoul, 4.0 mi. S. thence 2.0 mi. E. from, 0.8 mi. N. and 3.5 mi. E. from Thomasboro, near SW. cor. sec. 19, T. 21 N., R. 10 E., 21 ft. N. and 68 ft. E. from junction of T-rd. E., 1 ft. S. of fence line, in concrete post; standard tablet stamped "B 1 1924"-----	696. 302
Reference mark, 115 ft. S.55°W. from tablet, on NW. wing wall of concrete bridge; chiseled square-----	696. 97
Salt Fork, under bridge; surface of water Aug. 29, 1924-----	683. 7
Thomasboro, 0.6 mi. N. and 4.5 mi. E. from, 980 ft. S. of NW cor. sec. 29, T. 21 N., R. 10 E., 20 ft. E. of rd., 280 ft. NW. of farmhouse, in root on W. side of 24-in. maple tree; copper nail and washer-----	693. 13
[Continued in Urbana quadrangle, line 7]	
4. From point 3.8 miles south and 1 mile east from Gifford generally north along roads to point 2.8 miles north and 5 miles east from Paxton (by W. R. Broaddus in 1924)	
[Continued from Urbana quadrangle, line 7]	
Gifford, 3.7 mi. S. and 1.0 mi. E. from, 750 ft. S. of NE. cor. sec. 25, T. 21 N., R. 10 E., 20 ft. W. of rd., in root on SE. side of 36-in. cottonwood tree; copper nail and washer-----	738. 84
Gifford, 2.5 mi. S. and 1.0 mi. E. from, near NW. cor. sec. 19, T. 21 N., R. 11 E., 50 ft. S. and 30 ft. E. from crossroads, 18 ft. S. of fence corner, in root on W. side of 4-in. hedge tree; copper nail and washer	729. 36

Gifford, 1.5 mi. S. and 1.0 mi. E. from, near SW. cor. sec. 7, T. 21 N., R. 11 E., in NE. angle of crossroads, 26 ft. N. and 59 ft. E. from stone marking sec. corner, in concrete post; standard tablet stamped "B 3 1924"-----	<i>Feet</i> 767.935
Reference mark, 355 ft. E. of tablet, in root on SW. side of 8-in. hedge tree; copper nail and washer-----	766.73
Gifford, 0.5 mi. S. and 0.7 mi. E. from, 0.25 mi. W. of NE. corner sec. 12, T. 21 N., R. 10 E., 33 ft. W. of sixteenth corner, on S. side of rd., in root on E. side of 24-in. maple tree; copper nail and washer--	770.80
Gifford, 1.0 mi. E. of, at crossing of Illinois Central R. R.; top of rail--	757.9
Gifford, 0.2 mi. N. and 1.0 mi. E. from, 0.29 mi. S. of NW. cor. sec. 6, T. 21 N., R. 11 E., 150 ft. N. of lane E. to farmhouse, 55 ft. E. of rd., in root on W. side of 18-in. tree, second tree in E.-W. row of maple trees; copper nail and washer-----	756.02
Gifford, 0.5 mi. N. of, near SE. cor. sec. 35, T. 22 N., R. 10 E., 297 ft. N. and 28 ft. W. from crossroads, 1 ft. inside field fence, in concrete post; standard tablet stamped "B 4 1924"-----	786.842
Reference mark, 92.8 ft. N. 30° E. from tablet, on E. head wall of concrete culvert; chiseled square-----	788.37
Gifford, 1.5 mi. N. of, near NW. cor. sec. 36, T. 22 N., R. 10 E., 120 ft. S. and 30 ft. E. from crossroads, in root on SW. side of 12-in. ash tree; copper nail and washer-----	765.25
Gifford, 2.5 mi. N. of, near NE. cor. sec. 26, T. 22 N., R. 10 E., 25 ft. S. and 120 ft. W. from crossroads, in root on NE. side of 8-in. hedge tree; copper nail and washer-----	764.26
Gifford, 3.5 mi. N. of, at Pleasant Vale School, near SW. cor. sec. 13, T. 22 N., R. 10 E., 32 ft. N. and 28 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 5 M 1923 5 B 1924" ²⁴ -----	756.268
Reference mark, 195 ft. S. of tablet, in root on NW. side of small forked boxelder tree; copper nail and washer-----	755.24
Gifford, 4.4 mi. N. of, 550 ft. S. of NE. cor. sec. 14, T. 22 N., R. 10 E., 550 ft. S. of crossroads, on W. side of rd., 50 ft. SE. of farmhouse, in root on S. side of 8-in. mulberry tree; copper nail and washer-----	750.24
Gifford, 5.5 mi. N. of, 5.5 mi. E. of Ludlow, near NW. cor. sec. 12, T. 22 N., R. 10 E., 20 ft. SE. of crossroads, on E. head wall of concrete culvert; chiseled square (recovered in 1931)-----	731.10
Gifford, 6.5 mi. N. of, at Champaign-Ford county line, near SW. cor. sec. 36, T. 23 N., R. 10 E., 25 ft. N. of junction of E.-W. rd., 1 ft. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 6 M 1923 6 B 1924" (not recovered in 1931)	718.437
Reference mark, 125 ft. S. 75° W. from tablet, on SE. wing wall of bridge; chiseled square (recovered in 1931)-----	718.44
Middle Fork of Vermilion River, under bridge; surface of water Sept. 9, 1924-----	704.7
Gifford, 6.5 mi. N. thence 1.0 mi. E. from, 4.0 mi. S. and 5.0 mi. E. from Paxton, 50 ft. S. and 25 ft. E. from NW. cor. sec. 1, T. 22 N., R. 11 E., in root on W. side of 16-in. post-oak tree; copper nail and washer-----	727.89

[Jogs into Potomac quadrangle, line 1]

²⁴ In 1941 it was reported that this bench mark had been damaged, and the post bent 45 degrees.

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Paxton, 5.0 mi. E. thence 3.0 mi. S. from, near SE. cor. sec. 25, T. 23 N., R. 10 E., 155 ft. N. and 30 ft. W. from junction of T-rd. N., in fence line, in root on E. side of 16-in. walnut tree; copper nail and washer-----	<i>Feet</i> 753.82
Paxton, 5.0 mi. E. thence 2.0 mi. S. from, near NW. cor. sec. 25, T. 23 N., R. 11 E., 30 ft. S. and 85 ft. E. from crossroads, in root on N. side of 12-in. maple tree; copper nail and washer-----	777.03
Paxton, 5.0 mi. E. thence 1.0 mi. S. from, near SW. cor. sec. 13, T. 23 N., R. 11 E., 35 ft. N and 30 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 7 1923 8 B 1924" (recovered in 1936)-----	788.570
Reference mark, 110.5 ft. S.40°W. from tablet, in root on E. side of 16-in. maple tree; copper nail and washer-----	789.65
New York, Chicago & St. Louis R. R., at intersection of range-line rd.; top of rail-----	781.8
Paxton, 5.0 mi. E. thence 1.2 mi. N. from, 780 ft. N. of SE. cor. sec. 1, T. 23 N., R. 10 E., 780 ft. N. of crossroads, on W. head wall of concrete culvert; chiseled square-----	783.52
Paxton, 5.0 mi. E. thence 2.0 mi. N. from, near SW. cor. sec. 36, T. 24 N., R. 11 E., 25 ft. N. and 25 ft. E. from crossroads, 3 ft. NW. of fence corner, in concrete post; aluminum tablet stamped "Prim Trav Sta No 8 Mac 1923" (recovered in 1931)-----	750.205
Reference mark, 152.5 ft. S.60°E. from tablet, at W. abutment of small steel bridge, at bottom of S. railing brace, on top of steel cap; top of painted bolt (recovered in 1931)-----	750.90
[Continued in Buckley quadrangle, line 2]	
5. From point 5.5 miles north and 1.1 miles east from Gifford along roads west 1.1 miles, thence north 1 mile (by W. C. Elledge in 1931)	
[Continued from Potomac quadrangle, line 3]	
Gifford, 5.5 mi. N. thence 0.7 mi. E. from, 6.2 mi. E. of Ludlow, 1,645 ft. W. of SE. cor. sec. 1, T. 22 N., R. 10 E., 300 ft. W. of rd., in line with hedge fence S., on N. head wall of concrete culvert; chiseled square--	740.06
6. From point 2.5 miles north and 1.4 miles west from Clarence along roads west 0.1 mile, thence south 0.8 mile to point 2 miles north and 5 miles east from Paxton (by W. C. Elledge in 1931)	
[Continued from Potomac quadrangle, line 5]	
Clarence, 2.5 mi. N. thence 1.5 mi. W. from, 5.0 mi. E. thence 2.8 mi. N. from Paxton, near NW. cor. fractional sec. 36, T. 24 N., R. 11 E., 300 ft. S. of junction of range-line rd., on E. side of rd., in small grove of maple trees, in root on W. side of 12-in. maple tree, second from N. in W. row; copper nail and washer-----	741.50
7. From point 1 mile south and 5.1 miles east from Paxton west along road 0.1 mile, thence north along range-line road to intersection of New York, Chicago & St. Louis Railroad (by W. C. Elledge in 1936; leveled twice)	
Paxton, 5.0 mi. E. of, near NE. cor. sec. 13, T. 23 N., R. 10 E., 18 ft. S. and 18 ft. W. from intersection of State Highway 9, on W. head wall of concrete culvert; chiseled square-----	782.26
U. S. C. & G. S. standard disk stamped "G 40 1935"-----	781.747

PIPER CITY QUADRANGLE

[Latitude 40°45'–41°00'; longitude 88°00'–88°15']

FORD, IROQUOIS, KANKAKEE, AND LIVINGSTON COUNTIES

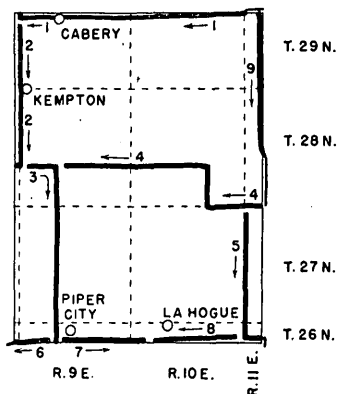


FIGURE 198.—Lines of leveling in Piper City quadrangle.

1. From crossroads 5.7 miles west of Chebanse west along county-line road to crossroads 2.2 miles west of Cabery, thence north 0.3 mile (by E. O. Brooks in 1923; releveled by C. O. Harris in 1934)

[Continued from Herscher quadrangle, line 7]

T. 29 N., R. 10 E., near SE. cor. sec. 12, 100 ft. W. of crossroads, on N. side of rd., 4 ft. S. of fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 12 1934"	718.409
T. 29 N., R. 10 E., near N¼ cor. sec. 13, on S. side of rd., opposite farmhouse, 2 ft. N. of fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 11 1934"	732.033
T. 29 N., R. 10 E., near NE. cor. sec. 14, 14 ft. S. and 58 ft. W. from crossroads, 2 ft. S. of SE. corner of steel bridge over small creek, on stone retaining wall; chiseled square	694.49
T. 29 N., R. 10 E., 0.22 mi. W. of S¼ cor. sec. 11, 130 ft. E. of sixteenth corner, on N. side of rd., 2 ft. S. of fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 10 1934"	729.173
T. 29 N., R. 10 E., near NW. cor. sec. 14, 30 ft. S. and 30 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 72 W 1 EB 1923"	728.953
Reference mark, 4 ft. S. and 1 ft. W. from tablet, on large granite boulder; chiseled square	729.64
T. 29 N., R. 10 E., 0.12 mi. W. of S¼ cor. sec. 10, on N. side of rd., in front of house, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 9 1934"	714.408

1180 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

T. 29 N., R. 10 E., near NE. cor. sec. 16, 100 ft. W. of junction of T-rd. N., on S. side of rd., 2 ft. N. of fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 8 1934"-----	<i>Feet</i> 698. 363
Reference mark, 160 ft. E. of tablet, in NE. angle of junction of T-rd. N., on top near center of E. concrete head wall of culvert; chiseled square-----	700. 61
T. 29 N., R. 10 E., near NE. cor. sec. 17, in SW. angle of crossroads, on top near center of W. head wall of concrete culvert; chiseled square-----	712. 40
T. 29 N., R. 10 E., near SW. cor. sec. 9, 40 ft. N. and 15 ft. E. from crossroads, on top of S. end of E. head wall of concrete culvert under rd. N.; chiseled square-----	712. 18
T. 29 N., R. 10 E., 0.25 mi. E. of SW. cor. sec. 8, on N. side of rd., 8 ft. E. of N.-S. fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 7 1934"-----	701. 266
T. 29 N., R. 10 E., near NW. cor. sec. 17, in SE. angle of crossroads, 4 ft. N. and 2 ft. W. from fence corner; standard iron post with bronze cap stamped "Prim Trav Sta No 73 W 2 EB 1923"-----	698. 335
Reference mark, 300 ft. E. of tablet, on top near center of concrete retaining wall at SW. corner of culvert; chiseled square-----	697. 93
T. 29 N., R. 10 E., 0.23 mi. E. of NW. cor. sec. 18, on S. side of rd., 145 ft. W. of N.-S. fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 6 1934"-----	691. 587
T. 29 N., R. 10 E., near SW. cor. sec. 7, 30 ft. N. and 400 ft. E. from offset crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 5 1934"-----	691. 338
T. 29 N., R. 10 E., near NW. cor. sec. 18, in SE. angle of crossroads, at fence corner, on boulder; chiseled square-----	685. 27
T. 29 N., R. 9 E., near SE. cor. sec. 11, 2.8 mi. E. of Cabery, 35 ft. N. and 190 ft. W. from crossroads, in root on S. side of 24-in. maple tree; copper nail and washer-----	700. 24
Cabery, 2.1 mi. E. of, 0.22 mi. W. of N $\frac{1}{4}$ cor. sec. 14, T. 29 N., R. 9 E., on S. side of rd., 3 ft. from fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 4 1934"-----	711. 971
Cabery, 1.8 mi. E. of, near SW. cor. sec. 11, T. 29 N., R. 9 E., in NE. angle of crossroads, 6 ft. S. and 5 ft. E. from fence corner; standard iron post with bronze cap stamped "Prim Trav Sta No 74 W 3 EB 1923"-----	692. 004
Reference mark, 20 ft. W. of tablet, on top near center of E. head wall of concrete culvert; chiseled square-----	692. 42
Cabery, 0.8 mi. E. of, near SW. cor. sec. 10, T. 29 N., R. 9 E., in NE. angle of crossroads, in root on N. side of twin willow trees; copper nail and washer-----	682. 13
Cabery, 0.7 mi. E. of, near SE. cor. sec. 9, T. 29 N., R. 9 E., 460 ft. W. of crossroads, at NE. corner of bridge, on top at N. end of 4-in. I-beam; chiseled square-----	684. 99
Cabery, 0.3 mi. E. of, near S $\frac{1}{4}$ cor. sec. 9, T. 29 N., R. 9 E., on N. side of rd., opposite junction of private rd. S., 3 ft. S. of fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 3 1934"-----	698. 179
Cabery, 135 ft. E. of crossing of Illinois Central R. R., on S. side of street, 1.5 ft. S. of sidewalk, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 2 1934"-----	697. 591

	<i>Feet</i>
Cabery, at crossing of I. C. R. R. ; top of W. rail-----	698. 2
Cabery, in W. part of, in NW. angle of crossroads, in root on S. side of 24-in. maple tree; copper nail and washer-----	699. 70
Cabery, 0.2 mi. W. of, near NW. cor. sec. 16, T. 29 N., R. 9 E., 30 ft. S. and 9 ft. E. from intersection of State Highway 115, on E. edge of concrete pavement; chiseled square-----	699. 65
Cabery, 1.2 mi. W. of, near NE. cor. sec. 18, T. 29 N., R. 9 E., in SW. angle of crossroads, 12 ft. S. and 1 ft. E. from fence corner, in root on S. side of 24-in. cottonwood tree; copper nail and washer-----	691. 13
Cabery, 1.7 mi. W. of, 0.1 mi. E. of N $\frac{1}{4}$ cor. sec. 18, T. 29 N., R. 9 E., 25 ft. W. of lane S., on SW. wing wall of bridge; chiseled square-----	684. 93
Cabery, 2.0 mi. W. of, 0.25 mi. W. of N $\frac{1}{4}$ cor. sec. 18, T. 29 N., R. 9 E., on S. side of rd., 3 ft. N. and 1 ft. W. from fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 1 1934"-----	699. 489
Cabery, 2.2 mi. W. of, near NW. cor. sec. 18, T. 29 N., R. 9 E., in SE. angle of crossroads, 3 ft. N. and 7 ft. E. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 75 W 4 EB 1923"-----	695. 911

[Continued in Herscher quadrangle, line 8]

2. From crossroads 2.2 miles west of Cabery south along Ford-Livingston county-line road to crossroads 4 miles south and 0.5 mile west from Kempton, thence west to point about 1 mile east of Cullom (by A. J. Brackett in 1934)

Cabery, 2.2 mi. W. thence 0.2 mi. S. from, 0.2 mi. S. of NE. cor. sec. 13, T. 29 N., R. 8 E., 20 ft. W. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 1 1934"-----	700. 110
Cabery, 2.2 mi. W. thence 0.9 mi. S. from, 3.0 mi. N. and 0.5 mi. W. from Kempton, near NE. cor. sec. 24, T. 29 N., R. 8 E., 24 ft. S. and 24 ft. W. from crossroads, on concrete base of corner fence post; chiseled square-----	704. 04
Kempton, 2.3 mi. N. and 0.5 mi. W. from, 0.22 mi. S. of E $\frac{1}{4}$ cor. sec. 24, T. 29 N., R. 8 E., 22 ft. W. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 2 1934"-----	694. 865
Kempton, 2.0 mi. N. and 0.5 mi. W. from, near SW. cor. sec. 19, T. 29 N., R. 9 E., 120 ft. N. and 20 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 3 1934"-----	708. 027
Kempton, 1.5 mi. N. and 0.5 mi. W. from, 0.11 mi. S. of E $\frac{1}{4}$ cor. sec. 25, T. 29 N., R. 8 E., 30 ft. W. of rd., at base of gatepost; small stone embedded in concrete-----	716. 22
Kempton, 0.3 mi. N. and 0.5 mi. W. from, 0.2 mi. S. of W $\frac{1}{4}$ cor. sec. 31, T. 29 N., R. 9 E., 25 ft. E. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 4 1934"-----	740. 000
Kempton, 0.5 mi. W. from, near SE. cor. sec. 36, T. 29 N., R. 8 E., 35 ft. N. and 35 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 5 1934"-----	751. 698
Kempton, 0.2 mi. S. and 0.5 mi. W. from, 0.19 mi. S. of NW. cor. sec. 6, T. 28 N., R. 9 E., 30 ft. E. of rd., at fence corner, on concrete base of fence post; chiseled square-----	735. 09
Kempton, 1.0 mi. S. and 0.5 mi. W. from, near SE. cor. sec. 1, T. 28 N., R. 8 E., 18 ft. N. and 20 ft. W. from crossroads, on N. head wall of concrete culvert; chiseled square-----	698. 01

Kempton, 1.5 mi. S. and 0.5 mi. W. from, 200 ft. N. of W $\frac{1}{4}$ cor. sec. 7, T. 28 N., R. 9 E., 30 ft. E. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 6 1934"-----	Feet 711. 228
Kempton, 2.0 mi. S. and 0.5 mi. W. from, near SW. cor. sec. 7, T. 28 N., R. 9 E., 110 ft. N. and 25 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 7 1934"-----	690. 232
Kempton, 3.6 mi. S. and 0.5 mi. W. from, 0.14 mi. S. of E $\frac{1}{4}$ cor. sec. 24, T. 28 N., R. 8 E., 25 ft. W. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 8 1934"-----	692. 856
Kempton, 4.0 mi. S. and 0.5 mi. W. from, 1.4 mi. E. of Cullom, near SW. cor. sec. 19, T. 28 N., R. 9 E., 35 ft. N. and 75 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No. 105 Mac 1923"-----	673. 176

[Continued in Chatsworth quadrangle, line 2]

3. From crossroads 1.4 miles east of Cullom east 2 miles along State Highway 116, thence south along State Highway 115 and roads to point 0.6 mile south and 0.5 mile west from Piper City (by R. A. Wilson in 1934)

Cullom, 1.6 mi. E. of, 0.21 mi. E. of SW. cor. sec. 19, T. 28 N., R. 9 E., 28 ft. N. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk-----	669. 294
Cullom, 2.4 mi. E. of, near NW. cor. sec. 29, T. 28 N., R. 9 E., 37 ft. S. and 104 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 1 1934"-----	664. 754
Cullom, 3.4 mi. E. of, near SW. cor. sec. 21, T. 28 N., R. 9 E., 135 ft. N. and 33 ft. E. from highway intersection, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 2 1934"-----	658. 400
Cullom, 3.4 mi. E. thence 1.0 mi. S. from, 7.5 mi. N. and 0.5 mi. W. from Piper City, near SW. cor. sec. 28, T. 28 N., R. 9 E., 99 ft. N. and 29 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 3 1934"-----	655. 945
Piper City, 6.5 mi. N. and 0.5 mi. W. from, near NW. cor. sec. 5, T. 27 N., R. 9 E., 195 ft. S. of junction of T-rd. W., on NW. wing wall of large overhead truss bridge; chiseled cross-----	659. 66
Piper City, 5.5 mi. N. and 0.5 mi. W. from, near NW. cor. sec. 9, T. 27 N., R. 9 E., 60 ft. S. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 112 Mac 1923"-----	657. 860
Piper City, 4.9 mi. N. and 0.5 mi. W. from, 0.13 mi. S. of W $\frac{1}{4}$ cor. sec. 9, T. 27 N., R. 9 E., on NE. wing wall of concrete girder bridge; chiseled cross-----	657. 28
Piper City, 4.0 mi. N. and 0.5 mi. W. from, near E $\frac{1}{4}$ cor. sec. 17, T. 27 N., R. 9 E., on NW. wing wall of concrete girder bridge; chiseled cross-----	656. 85
Piper City, 3.5 mi. N. and 0.5 mi. W. from, near SW. cor. sec. 16, T. 27 N., R. 9 E., 97 ft. N. and 28 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 4 1934"-----	653. 313
Piper City, 2.5 mi. N. and 0.5 mi. W. from, near cor. secs. 20, 21, 28, and 29, T. 27 N., R. 9 E., on NE. wing wall of steel bridge; chiseled cross-----	660. 96
Piper City, 1.5 mi. N. and 0.5 mi. W. from, near SW. cor. sec. 28, T. 27 N., R. 9 E., 30 ft. N. and 27 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 5 1934"-----	664. 176

Piper City, 0.5 mi. N. and 0.5 mi. W. from, near NE. cor. sec. 5, T. 26 N., R. 9 E., 36 ft. S. and 19 ft. W. from crossroads, in root of 14-in. walnut tree; copper nail and washer-----	<i>Feet</i> 672.98
Piper City, 0.5 mi. S. and 0.5 mi. W. from, near SW. cor. sec. 4, T. 26 N., R. 9 E., 29 ft. N. and 106 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 6 1934" ²⁵ -----	686.959

[Continued in Buckley quadrangle, line 6]

4. From crossroads 1.7 miles south and 2.3 miles west from Ashkum north and west along roads and west along State Highway 116 to highway intersection 3.4 miles east of Cullom (by A. J. Argaves in 1934)

[Continued from Ashkum quadrangle, line 1]

Ashkum, 1.7 mi. S. and 3.0 mi. W. from, 0.12 mi. E. of SW. cor. sec. 31, T. 28 N., R. 11 E., 620 ft. E. of crossroads, 20 ft. N. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 4 6 1934"-----	658.538
Ashkum, 1.7 mi. S. and 3.1 mi. W. from, 0.8 mi. E. of SW. cor. sec. 31, T. 28 N., R. 11 E., 420 ft. E. of crossroads, on N. side of rd, at fence line, in root on S. side of large cottonwood tree; spike-----	658.87
T. 27 N., R. 10 E., near NW. cor. sec. 1, 20 ft. S. and 110 ft. E. from crossroads, at fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "17 5 1934"-----	657.093
T. 27 N., R. 10 E., near NE. cor. sec. 3, 25 ft. S. of crossroads, 5 ft. S. of NW. corner of bridge over E.-W. drainage ditch, on concrete curb; chiseled circle-----	657.29
T. 28 N., R. 10 E., near SE. cor. sec. 27, 50 ft. N. and 20 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 102 Mac 1923"-----	654.796
T. 28 N., R. 10 E., near NE. cor. sec. 27, 50 ft. W. of crossroads, at W. end of S. head wall of concrete bridge over drainage ditch; chiseled cross-----	658.72
T. 28 N., R. 10 E., near NW. cor. sec. 27, 37 ft. S. and 100 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "17 6 1934"-----	656.692
T. 28 N., R. 10 E., near SE. cor. sec. 20, in NW. angle of crossroads, on SW. wing wall of concrete bridge over drainage ditch; chiseled cross-----	662.50
T. 28 N., R. 10 E., near SE. cor. sec. 19, 37 ft. N. and 105 ft. W. from crossroads, at fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "17 7 1934"-----	661.475
T. 28 N., R. 10 E., near SW. cor. sec. 19, in NE. angle of crossroads, at Ford-Iroquois county line, at N. end of concrete culvert, 17 in. from E. end of head wall; chiseled cross-----	656.64
T. 28 N., R. 9 E., near SW. cor. sec. 23, 5.4 mi. E. of Cullom, 37 ft. N. and 110 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "17 8 1934"-----	656.184
Cullom, 4.4 mi. E. of, near SW. cor. sec. 22, T. 28 N., R. 9 E., 25 ft. N. and 35 ft. E. from crossroads, 17 ft. NE of center of iron bridge, in concrete post; standard tablet stamped "Prim Trav Sta No 104 Mac 1923"-----	656.841

²⁵ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "B 42 1934," elevation 668.427 ft.

5. From crossroads 1.7 miles south and 3 miles west from Ashkum south along range-line road 7 miles, thence east to point 1 mile south and 0.3 mile west from Gilman (by A. J. Argraves in 1934)

Ashkum, 2.7 mi. S. and 3.0 mi. W. from, 1.0 mi. N. and 1.7 mi. W. from Danforth, near NW. cor. sec. 7, T. 27 N., R. 11 E., 200 ft. E. of crossroads, at SW. corner of bridge over drainage ditch, in SW. end of wing wall; monel-metal rivet-----	<i>Feet</i> 654. 50
Danforth, 1.7 mi. W. of, near NW. cor. sec. 18, T. 27 N., R. 11 E., 100 ft. S. and 22 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "4 5 1934"-----	655. 034
Danforth, 0.2 mi. S. and 1.7 mi. W. from, 0.25 mi. S. of NE. cor. sec. 13, T. 27 N., R. 10 E., 22 ft. W. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 4 5 1934"-----	659. 359
Danforth, 0.9 mi. S. and 1.7 mi. W. from, 0.13 mi. N. of SW. cor. sec. 18, T. 27 N., R. 11 E., at bridge over branch of Prairie Creek, in NE. wing wall; monel-metal rivet-----	649. 76
Danforth, 1.7 mi. S. and 1.7 mi. W. from, 0.25 mi. S. of E $\frac{1}{4}$ cor. sec. 24, T. 27 N., R. 10 E., 26 ft. W. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 4 4 1934"-----	647. 567
Danforth, 2.0 mi. S. and 1.7 mi. W. from, 1.8 mi. N. and 1.0 mi. W. from Gilman, near NW. cor. sec. 30, T. 27 N., R. 11 E., 95 ft. S. and 26 ft. E. from crossroads, at E. fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 4 4 1934"-----	643. 224
Gilman, 0.2 mi. N. and 1.0 mi. W. from, 0.3 mi. N. of SE. cor. sec. 36, T. 27 N., R. 10 E., 0.2 mi. N. of crossing of Toledo, Peoria & Western R. R., on W. side of rd., 25 ft. S. of farmhouse, 2.5 ft. E. of fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 4 3 1934"-----	656. 105
Gilman, 1.0 mi. W. of, near SE. cor. sec. 36, T. 27 N., R. 10 E., 41 ft. S. of center line of T. P. & W. R. R. tracks, in SW. angle of crossing, 8 ft. NE. of right-of-way corner of rd. and R. R., 6 ft. E. of fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 4 3 1934"-----	651. 100
Gilman, 1.0 mi. S. and 1.0 mi. W. from, near SE. cor. sec. 1, T. 26 N., R. 10 E., 700 ft. W. of crossroads, at concrete culvert under U. S. Highway 24, in top of N. head wall; monel-metal rivet-----	656. 978

[Continued in Ashkum quadrangle, line 2]

6. From crossroads 0.5 mile south and 0.5 mile west from Piper City west along U. S. Highway 24 about 2 miles (by R. A. Wilson in 1934)

Piper City, 0.5 mi. S. and 0.7 mi. W. from, 0.25 mi. W. of NE. cor. sec. 8, T. 26 N., R. 9 E., 29 ft. S. of center line of highway, 18 ft. N. of SW. corner of cemetery, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 20 1934"-----	692. 739
Piper City, 0.5 mi. S. and 1.5 mi. W. from, near SW. cor. sec. 5, T. 26 N., R. 9 E., 15 ft. N. and 26 ft. E. from crossroads, on N. head wall of concrete culvert; chiseled cross-----	700. 57
Piper City, 0.5 mi. S. and 2.2 mi. W. from, 0.23 mi. E. of NW. cor. sec. 7, T. 26 N., R. 9 E., 30 ft. S. of center line of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 19 1934"-----	709. 660

Piper City, 0.5 mi. S. and 2.5 mi. W. from, about 3 mi. E. of Chatsworth, near NW. cor. sec. 7, T. 26 N., R. 9 E., 45 ft. S. and 101 ft. E. from crossroads, at Ford-Livingston county line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 18 1934"-----

Feet
715. 043

[Continued in Strawn quadrangle, line 5]

7. From crossroads 0.5 mile south and 0.5 mile west from Piper City east along U. S. Highway 24 to crossroads 1 mile south and 1 mile west from La Hogue (by R. A. Wilson in 1934)

Piper City, 0.5 mi. S. and 0.5 mi. E. from, near NW. cor. sec. 10, T. 26 N., R. 9 E., 24 ft. S. and 34 ft. E. from crossroads, on E. head wall of concrete culvert; chiseled cross-----

673. 99

Piper City, 0.5 mi. S. and 1.3 mi. E. from, 0.19 mi. W. of NE. cor. sec. 10, T. 26 N., R. 9 E., 27 ft. S. of center line of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 21 1934"-----

666. 847

Piper City, 0.5 mi. S. and 1.5 mi. E. from, near NE. cor. sec. 10, T. 26 N., R. 9 E., 28 ft. S. and 102 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 22 1934"-----

665. 268

Piper City, 0.5 mi. S. and 2.5 mi. E. from, near NW. cor. sec. 12, T. 26 N., R. 9 E., 27 ft. S. and 114 ft. E. from crossroads, in root of 40-in twin cottonwood tree; spike and washer-----

665. 22

Piper City, 0.5 mi. S. and 3.1 mi. E. from, 0.1 mi. E. of N $\frac{1}{4}$ cor. sec. 12, T. 26 N., R. 9 E., 28 ft. S. of center line of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 23 1934"-----

666. 497

Piper City, 0.5 mi. S. and 3.5 mi. E. from, 1.0 mi. S. and 2.0 mi. W. from La Hogue, at Ford-Iroquois county line, near SW. cor. sec. 6, T. 26 N., R. 10 E., 29 ft. N. and 98 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 24 1934"-----

665. 452

La Hogue, 1.0 mi. S. and 1.0 mi. W. from, near SW. cor. sec. 5, T. 26 N., R. 10 E., 48 ft. N. and 37 ft. E. from crossroads, in root of 26-in. maple tree; spike and washer-----

665. 106

8. From crossroads 1 mile south and 1 mile west from Gilman west along U. S. Highway 24 to crossroads 1 mile south and 1 mile west from La Hogue (by E. H. Lewis in 1934)

Gilman, 1.0 mi. S. and 1.5 mi. W. from, near S $\frac{1}{4}$ cor. sec. 1, T. 26 N., R. 10 E., 24 ft. N. and 250 ft. W. from crossing of Illinois Central R. R., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 30 1934"-----

656. 275

Gilman, 1.0 mi. S. and 2.0 mi. W. from, near SE. cor. sec. 2, T. 26 N., R. 10 E., 33 ft. N. and 110 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 29 1934"-----

662. 341

Gilman, 1.0 mi. S. and 3.0 mi. W. from, 1.0 mi. S. and 2.0 mi. E. from La Hogue, near SE. cor. sec. 3, T. 26 N., R. 10 E., 27 ft. N. and 90 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 28 1934"-----

662. 603

La Hogue, 1.0 mi. S. and 1.8 mi. E. from, 0.21 mi. W. of SE. cor. sec. 3, T. 26 N., R. 10 E., 27 ft. N. and 1,130 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 27 1934"-----

661. 762

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La Hogue, 1.0 mi. S. and 0.5 mi. E. from, near S $\frac{1}{4}$ cor. sec. 4, T. 26 N., R. 10 E., in NW. wing wall of concrete bridge; monel-metal rivet-----	<i>Feet</i> 663. 23
La Hogue, 1.0 mi. S. of, near SE. cor. sec. 5, T. 26 N., R. 10 E., 27 ft. N. and 100 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 26 1934" ²⁶ -----	662. 335
La Hogue, 1.0 mi. S. and 0.3 mi. W. from, 0.25 mi. W. of NE. cor. sec. 8, T. 26 N., R. 10 E., 26 ft. S. of center line of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 25 1934"-----	665. 046
9. From point 4.9 miles west of Chebanse south along range-line road to point 2.3 miles west of Ashkum (by C. O. Harris in 1934)	
[Connects with line 4 in Herscher quadrangle]	
Chebanse, 1.0 mi. S. and 4.9 mi. W. from, near SW. cor. sec. 18, T. 29 N., R. 14 W., 225 ft. N. of crossroads, on E. side of rd., 2 ft. W. of fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "22 13 1934"-----	696. 658
T. 29 N., R. 11 E., near NE. cor. sec. 30, 12 ft. S. and 27 ft. W. from crossroads, on corrugated pipe culvert under rd. W., 15 in. from S. end of pipe; cross cut with file-----	676. 09
T. 29 N., R. 11 E., near E. cor. secs. 30 and 31, 100 ft. N. and 32 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 56 W 1921"-----	659. 832
Reference mark 1, 20 ft. N. and 15 ft. E. from crossroads, at E. end of concrete culvert, on angular head wall; chiseled square-----	660. 98
Reference mark 2, 30 ft. S. and 15 ft. W. from crossroads, at W. end of concrete culvert under rd. S., on angular head wall; chiseled square-----	660. 92
T. 29 N., R. 11 E., 0.25 mi. S. of NE. cor. sec. 31, on S. end of W. concrete head wall of culvert; chiseled square-----	659. 42
T. 29 N., R. 11 E., 0.1 mi. N. of SE. cor. sec. 31, 500 ft. N. and 15 ft. W. from crossroads, on S. end of W. concrete head wall of culvert; chiseled square-----	657. 27
T. 28 N., R. 11 E., near E $\frac{1}{4}$ cor. sec. 6, 3.5 mi. W. of Clifton, 234 ft. N. and 28 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 4 9 1934"-----	653. 563
Reference mark, 219 ft. S. and 8 ft. E. from standard disk, at N. end of concrete culvert, on angular head wall; chiseled square-----	653. 91
T. 28 N., R. 11 E., near NE. cor. sec. 7, 635 ft. S. and 20 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 4 9 1934"-----	660. 992
T. 28 N., R. 11 E., 360 ft. N. of E $\frac{1}{4}$ cor. sec. 18, 18 ft. W. of rd., at S. end of concrete culvert under driveway to farm buildings, on E. end of head wall; chiseled square-----	656. 43
T. 28 N., R. 11 E., 470 ft. S. of E $\frac{1}{4}$ cor. sec. 18, 30 ft. W. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 4 8 1934"-----	658. 636
Reference mark, 150 ft. S. of standard disk, at S. end of concrete culvert under private rd. W. to farmhouse, on W. end of head wall; chiseled square-----	658. 34

²⁶ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "Y 41 1935," elevation 663:542 ft.

T. 28 N., R. 11 E., near SW. cor. sec. 18, 30 ft. N. and 20 ft. W. from crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 58 W 1921"-----	<i>Feet</i> 657.237
Reference mark, 15 ft. N. and 28 ft. W. from crossroads, at N. end of concrete culvert under rd. W., on angular head wall; chiseled square-----	659.16
T. 28 N., R. 11 E., 0.13 mi. N. of E $\frac{1}{4}$ cor. sec. 19, 0.8 mi. N. and 2.3 mi. W. from Ashkum, 25 ft. W. of rd., at S. end of concrete culvert under driveway to dwelling, on W. end of head wall; chiseled square-----	664.59
Ashkum, 0.2 mi. N. and 2.3 mi. W. from, near SE. cor. sec. 19, T. 28 N., R. 11 W., 148 ft. N. and 28 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 4 7 1934"-----	655.750
Reference mark, 36 ft. S. and 26 ft. E. from crossroads, at SE. end of concrete culvert running diagonally under crossroads, on head wall; chiseled square-----	656.02

[Continued in Ashkum quadrangle, line 4]

PONTIAC QUADRANGLE

[Latitude 40°45'–41°00'; longitude 88°30'–88°45']

LIVINGSTON AND McLEAN COUNTIES

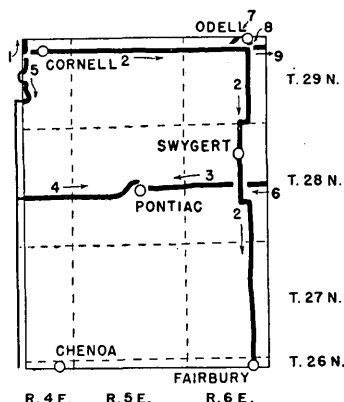


FIGURE 199.—Lines of leveling in Pontiac quadrangle.

1. From point 1.1 miles west of Cornell along road east 0.1 mile to crossroads, thence north 0.7 mile (by G. F. Williams in 1924)

[Continued from Flanagan quadrangle, line 2]

Cornell, 1.0 mi. W. of, 0.9 mi. E. of J. M. Bradley Bridge over Vermillion River, near S¼ cor. sec. 10, T. 29 N., R. 4 E., 10 ft. N. and 35 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 66 Mac 1923 W 24" (recovered in 1934)-----	Feet 621.948
Reference mark, 40 ft. N. of crossroads, in root on NW. side of large elm tree; copper nail and washer-----	623.11
Cornell, 1.0 mi. W. thence 0.5 mi. N. from, near center of sec. 10, T. 29 N., R. 4 E., in NE. angle of junction of T-rd. E., at N. end of concrete culvert under rd. E., on top of NW. wing wall; chiseled square-----	631.40

[Continued in Odell quadrangle, line 3]

2. From crossroads 1 mile west of Cornell east along road to crossroads 0.7 mile southeast of Odell, thence generally south to Fairbury (by Frank Laver in 1934)

Cornell, 0.5 mi. E. of, near NE. cor. sec. 14, T. 29 N., R. 4 E., 30 ft. S. and 97 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "8 1 1934"-----	637.647
Cornell, 1.5 mi. E. of, near SE. cor. sec. 12, T. 29 N., R. 4 E., in NW. angle of crossroads, in top of SW. wing wall of culvert; monel-metal rivet-----	629.78
Cornell, 2.5 mi. E. of, near SE. cor. sec. 7, T. 29 N., R. 5 E., 27 ft. N. and 35 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 90 Mac 1923"-----	638.534

Cornell, 3.5 mi. E. of, near NW. cor. sec. 16, T. 29 N., R. 5 E., 32 ft. S. and 98 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "8 2 1934"-----	<i>Feet</i> 673. 176
Cornell, 4.8 mi. E. of, 0.15 mi. W. of S $\frac{1}{4}$ cor. sec. 10, T. 29 N., R. 5 E., on N. side of rd., 100 ft. W. of driveway to farmhouse, on top of N. head wall of culvert; chiseled square-----	688.69
Cornell, 5.5 mi. E. of, near SE. cor. sec. 10, T. 29 N., R. 5 E., 25 ft. N. and 25 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 91 Mac 1923"-----	696. 363
Cornell, 6.5 mi. E. of, near NE. cor. sec. 14, T. 29 N., R. 5 E., 30 ft. S. and 90 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "8 3 1934"-----	743. 865
Reference mark, 0.25 mi. W. of tablet, at 42-in. pipe culvert under rd., on top of NW. wing wall; chiseled square-----	724. 80
Cornell, 7.5 mi. E. of, 0.6 mi. S. and 3.3 mi. W. from Odell, near NE. cor. sec. 13, T. 29 N., R. 5 E., in SW. angle of intersection of range-line rd., in top of SW. wing wall of culvert; monel-metal rivet-----	749. 19
Odell, 0.6 mi. S. and 2.3 mi. W. from, near SW. cor. sec. 8, T. 29 N., R. 6 E., 30 ft. N. and 40 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 92 Mac 1923"-----	761. 857
Odell, 0.6 mi. S. and 1.3 mi. W. from, near SE. cor. sec. 8, T. 29 N., R. 6 E., in NW. angle of crossroads, in NW. wing wall of culvert; monel-metal rivet-----	739. 43
Odell, 1.0 mi. SW. of along U. S. Highway 66, 0.1 mi. E. of S $\frac{1}{4}$ cor. sec. 9, T. 29 N., R. 6 E., 25 ft. N. and 100 ft. W. from highway intersection, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "8 4 1934"-----	728. 598
Odell, 0.7 mi. S. of, 0.23 mi. W. of N $\frac{1}{4}$ cor. sec. 15, T. 29 N., R. 6 E., on top of S. head wall of highway culvert; chiseled square-----	711. 14
Odell, 0.7 mi. SE. of, near N $\frac{1}{4}$ cor. sec. 15, T. 29 N., R. 6 E., 25 ft. S. and 90 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "8 5 1934"-----	714. 028
Odell, 0.7 mi. SE. thence 1.0 mi. S. from, near N $\frac{1}{4}$ cor. sec. 22, T. 29 N., R. 6 E., 25 ft. E. of center line of rd., 4 ft. from garden fence, in concrete post; standard tablet stamped "Prim Trav Sta No 89 Mac 1923"-----	736. 204
Odell, 0.7 mi. SE. thence 2.0 mi. S. from, near N $\frac{1}{4}$ cor. sec. 27, T. 29 N., R. 6 E., 25 ft. S. and 40 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "8 6 1934"-----	733. 616
Odell, 0.7 mi. SE. thence 3.0 mi. S. from, near N $\frac{1}{4}$ cor. sec. 34, T. 29 N., R. 6 E., 100 ft. W. of crossroads, on SW. wing wall of culvert; chiseled square-----	728. 67
Odell, 0.7 mi. SE. thence 4.0 mi. S. from, 1.5 mi. N. thence 0.5 mi. E. from Swygert, near N $\frac{1}{4}$ cor. sec. 3, T. 28 N., R. 6 E., 25 ft. S. of junction of T-rd. N., in concrete post; standard tablet stamped "Prim Trav Sta No 88 Mac 1923"-----	717. 204
Swygert, 0.5 mi. N. of, near NE. cor. sec. 9, T. 28 N., R. 6 E., in SW. angle of crossroads, on head wall of culvert; chiseled square-----	725. 68
Swygert, near E $\frac{1}{4}$ cor. sec. 9, T. 28 N., R. 6 E., 100 ft. N. of crossing of Illinois Central R. R., 30 ft. W. of center line of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "8 7 1934"-----	732. 918

Swygert, 0.6 mi. S. of, 0.13 mi. S. of NE. cor. sec. 16, T. 28 N., R. 6 E., 700 ft. S. of crossroads, in top of W. head wall of culvert; top of $\frac{3}{8}$ -in. steel pin-----	Feet 708.41
Swygert, 1.5 mi. S. of, at Center School, near NE. cor. sec. 21, T. 28 N., R. 6 E., 39 ft. S. and 161 ft. W. from crossroads, in schoolyard, 27 ft. N. and 4 ft. E. from NW. corner of schoolhouse, in concrete post; standard tablet stamped "Prim Trav Sta No 87 Mac 1923"-----	684.029
Swygert, 2.5 mi. S. and 0.5 mi. E. from, 8.9 mi. N. of Fairbury, near N $\frac{1}{4}$ cor. sec. 27, T. 28 N., R. 6 E., 25 ft. S. and 55 ft. W. from junction of T-rd. S., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "S 8 1934"-----	676.530
Fairbury, 7.9 mi. N. of, at Martimore School, near S $\frac{1}{4}$ cor. sec. 27, T. 28 N., R. 6 E., in NE. angle of crossroads, in SW. corner of schoolyard, on top of SW. corner of concrete platform of well; chiseled square-----	682.41
Fairbury, 7.4 mi. N. of, near center of sec. 34, T. 28 N., R. 6 E., on E. side of rd., 3 ft. N. of fence line E., on top of N. head wall of culvert under driveway; chiseled square-----	680.52
Fairbury, 6.9 mi. N. of, near S $\frac{1}{4}$ cor. sec. 34, T. 28 N., R. 6 E., 35 ft. N. and 25 ft. E. from crossroads, 3 ft. N. of iron fence post, in concrete post; standard tablet stamped "Prim Trav Sta No 86 Mac 1923"-----	681.700
Fairbury, 6.1 mi. N. of, 0.25 mi. S. of center of sec. 3, T. 27 N., R. 6 E., in SW. angle of junction of T-rd. W., at culvert under rd. W., on top of SE. wing wall; chiseled square-----	658.23
Fairbury, 5.7 mi. N. of, 0.22 mi. S. of N $\frac{1}{4}$ cor. sec. 10, T. 27 N., R. 6 E., at N. abutment of bridge over Vermilion River, in top of W. wing wall; monel-metal rivet-----	649.49
Fairbury, 4.5 mi. N. of, near center of sec. 15, T. 27 N., R. 6 E., on W. side of rd., 25 ft. S. of junction of T-rd. W., in concrete post; standard tablet stamped "Prim Trav Sta No 85 Mac 1923"-----	653.688
Fairbury, 4.0 mi. N. of, near N $\frac{1}{4}$ cor. sec. 22, T. 27 N., R. 6 E., in SW. angle of junction of T-rd. W., on top of S. head wall of culvert under rd. W.; chiseled square-----	657.61
Fairbury, 2.9 mi. N. of, near N $\frac{1}{4}$ cor. sec. 27, T. 27 N., R. 6 E., 25 ft. W. of center line of rd., 4 ft. S. of fence line W., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "S 9 1934"-----	659.570
Fairbury, 2.3 mi. N. of, near center of sec. 27, T. 27 N., R. 6 E., on top of NW. wing wall of culvert; chiseled square-----	660.64
Fairbury, 1.9 mi. N. of, near N $\frac{1}{4}$ cor. sec. 34, T. 27 N., R. 6 E., 15 ft. S. and 20 ft. E. from crossroads, on SW. wing wall of culvert under rd. E.; chiseled square-----	665.21
Fairbury, 1.1 mi. N. of, near S $\frac{1}{4}$ cor. sec. 34, T. 27 N., R. 6 E., 15 ft. N. and 25 ft. E. from junction of T-rd. W. on township line, 100 ft. SE. of brick dwelling, in concrete post; standard tablet stamped "Prim Trav Sta No 84 Mac 1923"-----	674.848
[Connects with line 2 in Chenoa quadrangle]	
3. From crossroads 1.5 miles south of Swygert west along State Highway 116 and road to Pontiac (by Frank Laver in 1934)	
Swygert, 1.5 mi. S. thence 0.5 mi. W. from, 0.5 mi. N. and 4.7 mi. E. from Pontiac, near N $\frac{1}{4}$ cor. sec. 21, T. 28 N., R. 6 E., at highway bridge over Smith Branch, in top of S. head wall; monel-metal rivet-----	684.37

Pontiac, 0.5 mi. N. and 4.2 mi. E. from, near NE. cor. sec. 20, T. 28 N., R. 6 E., in SW. angle of crossroads, on E. end of S. head wall of highway bridge; chiseled square-----	<i>Feet</i> 681. 36
Pontiac, 0.5 mi. N. and 3.2 mi. E. from, near SE. cor. sec. 18, T. 28 N., R. 6 E., 45 ft. N. and 110 ft. W. from crossroads, 2 ft. S. of fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 5 9 1934"-----	672. 433
Pontiac, 0.5 mi. N. and 2.7 mi. E. from, near N $\frac{1}{4}$ cor. sec. 18, T. 28 N., R. 6 E., 150 ft. E. of concrete bridge, 40 ft. S. of center line of highway, 2 ft. N. of fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 5 9 1934"-----	680. 116
Pontiac, 0.5 mi. N. and 1.7 mi. E. from, near quarter corner between secs. 13 and 24, T. 28 N., R. 5 E., at curve in highway from W. to S., E. of crossroads, 80 ft. W. of driveway to dwelling on N. side of highway, near NE. corner of triangular plot between rds., 25 ft. N. of center line of highway, 3 ft. S. of fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 5 8 1934"-----	659. 970
Pontiac, 0.5 mi. N. and 1.1 mi. E. from, 0.11 mi. W. of NE. cor. sec. 23, T. 28 N., R. 5 E., 150 ft. E. of concrete bridge, 25 ft. S. of rd., 2 ft. N. of fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 5 8 1934"-----	649. 413
Pontiac, at Indiana Avenue crossing of Wabash Ry., 23 ft. W. of center line of track, 21 ft. S. of center line of avenue, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 5 7 1934"-----	645. 705
Pontiac, at NE. corner of intersection of Indiana Avenue and Main Street, at high school, 2 ft. N. and 2 ft. E. from corner of curb, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "R M 5 7 1934"-----	641. 920

4. From point 1.4 miles east of Graymont east along Illinois Central Railroad to Pontiac (by I. B. Pearce in 1934)

[Continued from Flanagan quadrangle, line 5]

Graymont, 1.8 mi. E. of, 0.19 mi. W. of E $\frac{1}{4}$ cor. sec. 22, T. 28 N., R. 4 E., at W. abutment of R. R. bridge over Rooks Creek, on top of S. end of parapet; chiseled square-----	644. 31
Graymont, 2.7 mi. E. of, 0.25 mi. E. of center of sec. 23, T. 28 N., R. 4 E., 29 ft. N. and 33 ft. W. from rd. crossing, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 6 1934"-----	662. 640
Graymont, 4.0 mi. E. of, 3.7 mi. in air line W. of public square in Pontiac, near E $\frac{1}{4}$ cor. sec. 24, T. 28 N., R. 4 E., 38 ft. N. and 24 ft. W. from crossing of range-line rd., in concrete post; standard tablet stamped "Prim Trav Sta No 86 T 1924"-----	649. 498
Pontiac, 2.7 mi. W. of, near E $\frac{1}{4}$ cor. sec. 19, T. 28 N., R. 5 E., 36 ft. N. and 52 ft. W. from rd. crossing, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 7 1934"-----	647. 128
Pontiac, 1.3 mi. W. of, 0.1 mi. W. of center of sec. 21, T. 28 N., R. 5 E., at W. abutment of bridge over Vermilion River, on top of S. parapet; chiseled square-----	640. 64
Pontiac, 0.9 mi. NW. of, near N. cor. secs. 21 and 22, T. 28 N., R. 5 E., 22 ft. S. and 24 ft. W. from crossing of State Highway 23, on NW. wing wall of highway bridge; chiseled square-----	639. 10

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Pontiac, 36 ft. S. and 35 ft. W. from crossing of State Highway 4 and I. C. R. R., in concrete post; U. S. C. & G. S. and State Survey standard disk-----	<i>Feet</i> 642. 835
Reference mark, 800 ft. W. of crossing, 250 ft. W. of switch, 37 ft. N. of center line of track, in concrete post; U. S. C. & G. S. and State Survey standard disk-----	640. 364
5. From crossroads 1 mile west of Cornell along roads south and west to point 1 mile south and 1.1 miles west from Cornell (by I. B. Pearce in 1934)	
Cornell, 1.0 mi. W. thence 1.0 mi. S. from, near quarter corner between secs. 15 and 22, T. 29 N., R. 4 E., at right-angle turn in rd. from S. to W., on top of S. head wall of small culvert; chiseled square-----	612. 55
[Continued in Flanagan quadrangle, line 4]	
6. From point 5 miles west of Saunemin west along State Highway 116 to crossroads 1.5 miles south of Swygert (by A. J. Brackett in 1934)	
[Continued from Chatsworth quadrangle, line 2]	
Swygert, 1.5 mi. S. thence 1.5 mi. E. from, 5.0 mi. W. of Saunemin, 160 ft. W. of quarter corner between secs. 14 and 23, T. 28 N., R. 6 E., 30 ft. S. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "11 21 1934"-----	719. 400
Swygert, 1.5 mi. S. thence 0.9 mi. E. from, near NE. cor. sec. 22, T. 28 N., R. 6 E., 650 ft. W. of crossroads, near center of top of S. head wall of concrete culvert; chiseled square-----	707. 66
7. From Odell southwest 1 mile along U. S. Highway 66 to crossroads (by L. W. Winbolt in 1934)	
[Continued from Odell quadrangle, line 4]	
Odell, in SW. part of, near E $\frac{1}{4}$ cor. sec. 9, T. 29 N., R. 6 E., on SE. side of highway, at culvert under Chicago & Alton R. R., on top of NW. head wall; chiseled square-----	715. 41
8. From crossroads 0.7 mile southeast of Odell north along improved road to point near south limits of Odell (by L. W. Winbolt in 1934; spur line leveled twice)	
Odell, in SE. part of, 265 ft. S. of center of sec. 10, T. 29 N., R. 6 E., 25 ft. E. of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "9 7 1934"-----	703. 442
Odell, in SE. part of, 530 ft. N. of center of sec. 10, T. 29 N., R. 6 E., on top of SE. wing wall of bridge; chiseled square-----	703. 71
9. From crossroads 0.7 mile southeast of Odell east along road 1 mile (by L. W. Winbolt in 1934)	
Odell, 0.7 mi. SE. thence 0.9 mi. E. from, 0.1 mi. W. of S $\frac{1}{4}$ cor. sec. 11, T. 29 N., R. 6 E., on top of NE. wing wall of culvert; chiseled square--	706. 88
[Continued in Chatsworth quadrangle, line 1]	

POTOMAC QUADRANGLE

[Latitude 40°15'–40°30'; longitude 87°45'–88°00']

CHAMPAIGN, FORD, IROQUOIS, AND VERMILION COUNTIES

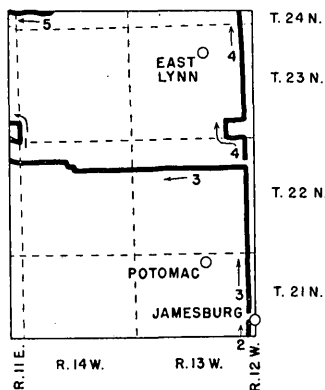


FIGURE 200.—Lines of leveling in Potomac quadrangle.

1. From point 6.5 miles north and 1.1 miles east from Gifford east along Champaign-Ford county-line road 0.5 mile, thence along roads north 1 mile, thence west 0.5 mile to point 3.5 miles south and 1.5 miles west from Clarence (by W. R. Broadus in 1924)

[A jog from Paxton quadrangle, line 4]

Gifford, 6.5 mi. N. thence 1.7 mi. E. from, near SE. cor. sec. 36, T. 23 N., R. 11 E., 210 ft. N. and 50 ft. W. from crossroads, in root on SW. side of 12-in. walnut tree; copper nail and washer	Feet 733. 89
Gifford, 7.5 mi. N. and 1.7 mi. E. from, 3.5 mi. S. thence 1.1 mi. W. from Clarence, near NW. cor. sec. 31, T. 23 N., R. 14 W., 25 ft. S. and 14 ft. E. from junction of T-rd. E., 3 ft. SW. of corner fence post, in concrete post; standard tablet stamped "7 B 1924" ²⁷	738. 317
Reference mark, 48 ft. N.10° W. from original position of tablet, on SE. wing wall of bridge; chiseled square	739. 41

[Continued in Paxton quadrangle, line 4]

2. From point 0.4 mile north and 0.7 mile east from Higginsville north along range-line road 0.9 mile, thence east to Jamesburg (by G. W. Moore in 1930)

[Continued from Fithian quadrangle, line 6]

Higginsville, 0.7 mi. N. and 0.7 mi. E. from, 0.4 mi. W. thence 0.6 mi. S. from Jamesburg, 870 ft. S. of NE. cor. sec. 25, T. 21 N., R. 13 W., 0.25 mi. S. of intersection of Chicago & Eastern Illinois Ry., 35 ft. W. of rd., 90 ft. NE. of NE. corner of red corncrib, in root on NE. side of 30-in. tree; copper nail and washer	682. 33
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------

²⁷ In 1932 this bench mark was moved 36 ft. east of this position and reset at an elevation 0.510 ft. lower than that originally determined. The figures given represent the new elevation.

Jamesburg, 0.4 mi. W. of, near E $\frac{1}{4}$ cor. sec. 24, T. 21 N., R. 13 W., 18 ft. W. of N.-S. rd., 21 ft. S. of junction of rd. E., 36 ft. S. of rd. W., 3 ft. S. of gatepost, in concrete post; standard tablet stamped "Prim Trav Sta No 135 Mac 1923" (recovered in 1931)-----	Feet 680.877
Reference mark, 2 ft. S. and 55 ft. E. from tablet, on E. end of S. head wall of concrete culvert; chiseled square (recovered in 1931)-----	681.77

[Continued in Hoopston quadrangle, line 1]

3. From crossroads 0.4 mile west of Jamesburg north along range-line road 8 miles, thence generally west along roads to point 5.5 miles north and 1.1 miles east from Gifford (by W. C. Elledge in 1931)

Jamesburg, 0.4 mi. W. thence 0.8 mi. N. from, 2.2 mi. S. and 2.3 mi. E. from Potomac, 0.3 mi. N. of SW. cor. sec. 18, T. 21 N., R. 12 W., on E. side of rd., at residence of W. Brannin, in SW. corner of yard, 18 ft. E. of E. edge of pavement, 2 ft. N. of corner post, in root on NW. side of 12-in. catalpa tree; copper nail and washer-----	688.57
Potomac, 1.3 mi. S. and 2.2 mi. E. from, 0.25 mi. N. of SW. cor. sec. 7, T. 21 N., R. 12 W., 21 ft. S. and 80 ft. E. from junction of T-rd. E., in root on NW side of 30-in. linn tree; copper nail and washer-----	689.98
Potomac, 0.5 mi. S. and 2.2 mi. E. from, near SW. cor. sec. 6, T. 21 N., R. 12 W., 90 ft. N. and 22 ft. E. from center of rd. at point in line with fence E., 10 ft. N. and 7 ft. E. from telephone pole, in root on NE side of 12-in. linn tree; copper nail and washer-----	682.72
Potomac, 0.5 mi. N. and 2.2 mi. E. from, near NW. cor. sec. 6, T. 21 N., R. 12 W., 120 ft. S. of T-rd. E., 35 ft. N. of junction of T-rd. W., in concrete post; standard tablet stamped "Prim Trav Sta No 139 Mac 1923"-----	677.212
Reference mark, 20 ft. N. and 18 ft. E. from tablet, in root on W. side of 36-in. linn tree; copper nail and washer-----	677.72
Potomac, 1.5 mi. N. and 2.2 mi. E. from, at Bear Creek School, near NE. cor. sec. 36, T. 22 N., R. 13 W., 120 ft. S. and 54 ft. W. from junction of T-rd. W., on N. end of first concrete step of schoolhouse; chiseled square-----	678.76
Potomac, 2.5 mi. N. and 2.2 mi. E. from, near NE. cor. sec. 25, T. 22 N., R. 13 W., 56 ft. S. and 6 ft. W. from junction of T-rd. W., on top near center of W. head wall of concrete culvert; chiseled square-----	688.03
Potomac, 3.5 mi. N. and 2.2 mi. E. from, near NE. cor. sec. 24, T. 22 N., R. 13 W., 30 ft. S. and 25 ft. W. from junction of T-rd. W., in concrete post; standard tablet stamped "Prim Trav Sta No 140 Mac 1923"-----	737.200
Potomac, 4.0 mi. N. and 2.2 mi. E. from, near W $\frac{1}{4}$ cor. sec. 18, T. 22 N., R. 12 W., 480 ft. N. of T-rd. E., on top near center of E. head wall of concrete culvert; chiseled square-----	728.89
Potomac, 5.0 mi. N. and 2.2 mi. E. from, 5.2 mi. W. of Rossville, at Prairie View Chapel, near E $\frac{1}{4}$ cor. sec. 12, T. 22 N., R. 13 W., 42 ft. S. and 68 ft. W. from junction of T-rd. W., in NE. corner of churchyard, in root on E. side of 24-in. maple tree; copper nail and washer-----	762.02
Potomac, 5.0 mi. N. and 1.2 mi. E. from, near W $\frac{1}{4}$ cor. sec. 12, T. 22 N., R. 13 W., 10 ft. S. and 30 ft. E. from crossroads, on SE. wing wall of small concrete bridge; chiseled square-----	740.52

Potomac, 5.0 mi. N. and 0.2 mi. E. from, 6.0 mi. S. of East Lynn, near $W\frac{1}{4}$ cor. sec. 11, T. 22 N., R. 13 W., 24 ft. N. and 27 ft. E. from crossroads, 3 ft. N. of right-of-way post, in concrete post; standard tablet stamped "1 E 1931" ²⁸ -----	<i>Feet</i> 741. 710
Reference mark, 47 ft. S. and 15 ft. W. from tablet, on concrete culvert; chiseled square-----	743. 73
Potomac, 5.0 mi. N. and 0.7 mi. W. from, 600 ft. E. of $W\frac{1}{4}$ cor. sec. 10, T. 22 N., R. 13 W., on N. side of rd., 22 ft. N. and 72 ft. W. from junction of private drive S., in root on SW. side of 24-in. maple tree; copper nail and washer-----	734. 40
Potomac, 5.0 mi. N. and 1.8 mi. W. from, 320 ft. W. of $E\frac{1}{4}$ cor. sec. 8, T. 22 N., R. 13 W., 19 ft. N. and 33 ft. E. from junction of private drive N. to residence of H. Hillman, in root on S. side of 24-in. wild-cherry tree; copper nail and washer-----	723. 90
Potomac, 5.0 mi. N. and 2.8 mi. W. from, 1.5 mi. N. and 1.5 mi. E. from Ellis, near $E\frac{1}{4}$ cor. sec. 7, T. 22 N., R. 13 W., 25 ft. N. and 33 ft. W. from crossroads, 3 ft. N. and 1 ft. E. from telephone pole, in concrete post; standard tablet stamped "2 E 1931"-----	716. 702
Reference mark, 6 ft. N. and 81 ft. E. from tablet, on top near center of E. head wall of concrete culvert; chiseled square-----	718. 22
Ellis, 1.5 mi. N. and 0.6 mi. E. from, 650 ft. E. of $W\frac{1}{4}$ cor. sec. 7, T. 22 N., R. 13 W., in SE. corner of yard of H. H. Cordes, 2 ft. N. and 21 ft. W. from fence corner, in root on SW. side of 24-in. box-elder tree; copper nail and washer-----	745. 11
Ellis, 1.5 mi. N. and 0.5 mi. W. from, near $W\frac{1}{4}$ cor. sec. 12, T. 22 N., R. 14 W., 30 ft. N. and 26 ft. E. from crossroads, in root on S. side of 18-in. walnut tree; copper nail and washer ²⁹ -----	743. 12
Ellis, 1.5 mi. N. and 1.5 mi. W. from, 5.0 mi. N. and 2.0 mi. E. from Penfield, near $E\frac{1}{4}$ cor. sec. 10, T. 22 N., R. 14 W., 19 ft. S. and 30 ft. W. from crossroads, 6 ft. W. of telephone pole, in concrete post; standard tablet stamped "3 E 1931"-----	755. 519
Penfield, 5.0 mi. N. and 1.0 mi. E. from, at Champaign-Vermillion county line, near $E\frac{1}{4}$ cor. sec. 9, T. 22 N., R. 14 W., 22 ft. S. and 39 ft. W. from junction of T-rd. S., in root on W. side of 10-in. wild-cherry tree; copper nail and washer-----	733. 72
Penfield, 5.5 mi. N. and 0.4 mi. E. from, near $N\frac{1}{4}$ cor. sec. 9, T. 22 N., R. 14 W., at small steel bridge over creek, on SE. wing wall; chiseled square-----	709. 43
Penfield, 5.5 mi. N. of, near SE. cor. sec. 5, T. 22 N., R. 14 W., 24 ft. N. and 12 ft. W. from crossroads, on W. head wall of concrete culvert, 3 ft. from N. end; chiseled square-----	722. 60
Penfield, 5.5 mi. N. and 1.1 mi. W. from, 5.5 mi. N. thence 2.6 mi. E. from Gifford, about 600 ft. W. of E. cor. secs. 6 and 7, T. 22 N., R. 14 W., 45 ft. W. of intersection of rd. tangents E. and SW. at first curve W. of Middle Fork of Vermillion River, in fence corner, 3 ft. W. of telephone pole, in concrete post; standard tablet stamped "4 E 1931"-----	720. 330

²⁸ In 1934 this bench mark was moved 41 ft. north of this position and reset at an elevation 0.886 ft. lower than that originally determined. The figures given represent the new elevation.

²⁹ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "Q 24 1925," elevation 750.940 ft.

1196 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Reference mark, 30 ft. S. and 100 ft. W. from tablet, 8 ft. N. of fence, in root on W. side of 15-in. hickory tree; copper nail and washer-----	Feet 720.44
Gifford, 5.5 mi. N. thence 1.6 mi. E. from, 620 ft. W. of NE. cor. sec. 12, T. 22 N., R. 11 E., on S. side of rd., at fence line, in root on N. side of 36-in. elm tree; copper nail and washer-----	740.84
[Continued in Paxton quadrangle, line 5]	
4. From point 5 miles north and 2.2 miles east from Potomac generally north along range-line and other roads to point 2.3 miles north and 1.5 miles east from East Lynn (by W. C. Elledge in 1931)	
Potomac, 5.7 mi. N. and 2.2 mi. E. from, 5.2 mi. W. thence 0.7 mi. N. from Rossville, 1,230 ft. N. of SE. cor. sec. 1, T. 22 N., R. 13 W., on W. side of rd., inside fence, 80 ft. S. of fence W., in root on NW. side of 30-in. poplar tree; copper nail and washer-----	741.51
Rossville, 5.2 mi. W. thence 1.5 mi. N. from, 4.5 mi. S. thence 2.0 mi. E. from East Lynn, near SW. cor. sec. 31, T. 23 N., R. 12 W., 30 ft. N. of T-rd. E., 15 ft. N. of junction of T-rd W., 20 ft. E. of N.-S. rd., in concrete post; standard tablet stamped "Prim Trav Sta No 141 Mac 1923"-----	740.130
Butler triangulation sta. reference mark, 4.3 mi. S. and 1.0 mi. E. from East Lynn, 0.15 mi. N. of S. cor. secs. 35 and 36, T. 23 N., R. 13 W., 662 ft. S.58°06'E. from sta.; top of stone post-----	773.78
Butler triangulation sta. reference mark, 4.2 mi. S. and 1.0 mi. E. from East Lynn, 0.3 mi. N. of S. cor. secs. 35 and 36, T. 23 N., R. 13 W., 648 ft. N.55°41'E. from sta.; top of stone post-----	779.24
East Lynn, 3.5 mi. S. thence 1.0 mi. E. from, at Pine Grove School, near NW. cor. sec. 36, T. 23 N., R. 13 W., 72 ft. S. and 52 ft. E. from crossroads, in NW. corner of schoolyard, in root on S. side of 30-in. boxelder tree; copper nail and washer-----	753.77
East Lynn, 3.5 mi. S. thence 2.0 mi. E. from, near SE. cor. sec. 25, T. 23 N., R. 13 W., 25 ft. N. and 57 ft. W. from junction of range-line rd., on large boulder; chiseled square-----	772.08
East Lynn, 2.5 mi. S. thence 2.0 mi. E. from, near SE. cor. sec. 24, T. 23 N., R. 13 W., 250 ft. N. of T-rd. W., on NW. wing wall of small bridge; chiseled square-----	734.12
East Lynn, 1.5 mi. S. thence 2.0 mi. E. from, near SW. cor. sec. 18, T. 23 N., R. 12 W., 45 ft. S. and 15 ft. E. from junction of T-rd. W., on E. head wall of concrete culvert; chiseled square-----	713.07
East Lynn, 0.5 mi. S. thence 2.0 mi. E. from, near SE. cor. sec. 12, T. 23 N., R. 13 W., 275 ft. N. of State Highway 9, 30 ft. N. and 30 ft. W. from junction of T-rd. W., 1 ft. S. and 5 ft. W. from fence corner, in concrete post; standard tablet stamped "9 E 1931" ³⁰ -----	705.782
Reference mark, 300 ft. S. of tablet, on S. head wall of concrete culvert; chiseled square-----	706.90
East Lynn, 0.5 mi. N. thence 2.0 mi. E. from, near SW. cor. sec. 6, T. 23 N., R. 12 W., 90 ft. S. and 30 ft. E. from junction of T-rd. W., in root on W. side of 18-in. maple tree; copper nail and washer-----	706.53
East Lynn, 1.5 mi. N. thence 2.0 mi. E. from, at Iroquois-Vermilion county line, near NW. cor. sec. 6, T. 23 N., R. 12 W., 39 ft. S. and 30 ft. E. from crossroads, in root on W. side of 24-in. hedge tree; copper nail and washer-----	702.60

[Continued in Cissna Park quadrangle, line 1]

³⁰ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "R 40 1935," elevation 711.678 ft.

5. From point 2.5 miles north and 1 mile east from Clarence west along road 2.4 miles (by W. C. Elledge in 1931)

[Continued from Cissna Park quadrangle, line 1]

Clarence, 2.5 mi. N. thence 1.0 mi. E. from, at Parker Center School, near NE. cor. sec. 32, T. 24 N., R. 14 W., 140 ft. S. and 30 ft. W. from crossroads, in front of schoolhouse, on SE. corner of well curb; chiseled square (recovered in 1934)-----	<i>Feet</i> 707.83
Clarence, 2.5 mi. N. of, near NW. cor. sec. 32, T. 24 N., R. 14 W., 50 ft. S. and 30 ft. E. from crossroads, 12 ft. N. of hedge fence, 2 ft. W. of fence, in concrete post; standard tablet stamped "19 E 1931" (recovered in 1934)-----	722.088
Reference mark, 60 ft. NW. of tablet, on E. end of S. head wall of concrete culvert; chiseled square-----	724.00
Clarence, 2.5 mi. N. thence 1.1 mi. W. from, near NE. cor. sec. 36, T. 24 N., R. 11 E., 30 ft. S. of T-rd. W., at SW. corner of small steel bridge, on concrete head wall; chiseled square-----	733.51

[Continued in Paxton quadrangle, line 6]

[Latitude 39°30'–39°45'; longitude 88°45'–89°00']
MACON, MOULTRIE, AND SHELBY COUNTIES

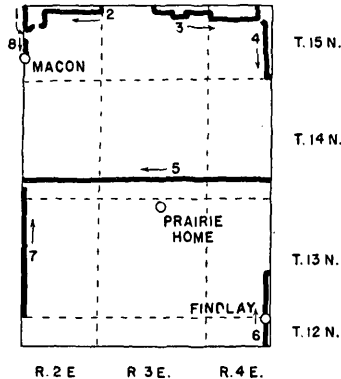


FIGURE 201.—Lines of leveling in Prairie Home quadrangle.

1. From point 2 miles south and 1 mile west from Elwin south and east along roads to point 1.8 miles northeast of Macon (by E. W. Gouchenour in 1929)

[Continued from Decatur quadrangle, line 9]

Elwin, 1.0 mi. W. thence 2.5 mi. S. from, near SE. cor. sec. 17, T. 15 N., R. 2 E., about 300 ft. N. and 30 ft. W. from intersection of section line and center line of rd., in SE. corner of schoolyard, in root on SE. side of tree; copper nail and washer-----

Feet
732.03

Short triangulation sta. (U. S. C. & G. S.), 1.8 mi. NE. of Macon, 0.75 mi. N. of first rd. crossing N. of Macon, on W. side of Illinois Central R. R. track, 80 yd. N. of milepost 744, 6.43 ft. W. of W. rail, underground mark; U. S. C. & G. S. standard triangulation-station disk designated "Short"

729. 569

Short triangulation sta. reference mark (U. S. C. & G. S.), 87.76 ft.
from sta. in azimuth 99°43', on W. side of track, near fence line;
U. S. C. & G. S. standard reference disk designated "R. M. Short"--

728. 414

2. From point 2.7 miles north and 4 miles east from Macon alternately south and west along roads to point 1.8 miles northeast of Macon (by E. W. Gouchenour in 1929)

[Continued from Decatur quadrangle, line 10]

Macon, 3.0 mi. E. thence 2.5 mi. N. from, near E $\frac{1}{4}$ cor. sec. 14, T. 15 N., R. 2 E., 27 ft. S. and 50 ft. W. from crossroads, in NE. corner of schoolyard, in root on N. side of maple tree; copper nail and washer-----

697. 52

Macon, 2.0 mi. E. thence 2.5 mi. N. from, near W $\frac{1}{4}$ cor. sec. 14, T. 15 N.,
R. 2 E., 37 ft. S. and 24 ft. E. from junction of N.-S. rd., in concrete
post: standard tablet stamped "T T Sta No 17 F 1929"-----

715,899

Reference mark, 42 ft. N. and 37 ft. W. from tablet, on N. end of culvert ;
chiseled square-----

715, 72

Macon, 1.0 mi. E. thence 2.0 mi. N. from, about 800 ft. N. of SW. cor. sec. 15, T. 15 N., R. 2 E., at first farmhouse N. of section corner, 40 ft. E. of rd., in barn lot, in root on W. side of large maple tree; copper nail and washer-----

Feet
732. 14

3. From point 1.4 miles south and 0.2 mile east from Mount Zion generally east along roads to point 0.3 mile south and 1 mile east from Prairie Hall (by E. W. Gouchenour in 1929)

[A jog from Decatur quadrangle, line 11]

Mount Zion, 1.5 mi. S. and 0.2 mi. E. from, at quarter corner between secs. 15 and 16, T. 15 N., R. 3 E., 3 ft. S. and 25 ft. W. from junction of T-rd. E., on concrete base of stone marking quarter corner; chiseled square-----

706. 00

Mount Zion, 1.5 mi. S. and 1.2 mi. E. from, 0.5 mi. S. of Hervey City, near E $\frac{1}{4}$ cor. sec. 15, T. 15 N., R. 3 E., 44 ft. S. and 44 ft. W. from junction of N-S. rd., in concrete post; standard tablet stamped "T T Sta No 19 F 1929"-----

702. 616

Reference mark, 200 ft. S. and 80 ft. E. from tablet, on E. side of rd., in fence line, in root on SW. side of tree; copper nail and washer-----

703. 15

Hervey City, 0.5 mi. S. and 0.8 mi. E. from, 0.25 mi. W. of E $\frac{1}{4}$ cor. sec. 14, T. 15 N., R. 3 E., 9 ft. N. and 30 ft. W. from junction of T-rd. E., in root on S. side of black-locust tree; copper nail and washer-----

690. 13

Hervey City, 0.5 mi. S. and 2.0 mi. E. from, at quarter corner between secs. 13 and 18, T. 15 N., Rs. 3 and 4 E., 20 ft. E. of junction of T-rd. W., on concrete base of stone marking quarter corner; chiseled square-----

698. 72

Hervey City, 1.0 mi. S. and 2.0 mi. E. from, 1.0 mi. S. thence 1.5 mi. W. from Prairie Hall, near W. cor. secs. 18 and 19, T. 15 N., R. 4 E., 15 ft. S. and 24 ft. W. from junction of T-rd. E., in concrete post; standard tablet stamped "T T Sta No 20 F 1929"-----

702. 316

Prairie Hall, 1.0 mi. S. thence 0.5 mi. W. from, near NE. cor. sec. 19, T. 15 N., R. 4 E., 35 ft. S. and 25 ft. W. from junction of T-rd. S., in barn lot, in root on NE. side of cottonwood tree; copper nail and washer-----

698. 33

Prairie Hall, 1.0 mi. S. of, near S $\frac{1}{4}$ cor. sec. 17, T. 15 N., R. 4 E., 27 ft. N. and 45 ft. W. from junction of T-rd. N., in root on SW. side of hedge tree; copper nail and washer-----

696. 80

Prairie Hall, 1.0 mi. S. thence 1.0 mi. E. from, near S $\frac{1}{4}$ cor. sec. 16, T. 15 N., R. 4 E., 25 ft. N. and 55 ft. E. from junction of T-rd. N., in concrete post; standard tablet stamped "T T Sta No 21 F 1929"-----

712. 039

Reference mark, 215 ft. N. and 90 ft. W. from tablet, in root on E. side of large elm tree; copper nail and washer-----

713. 21

[Continued in Decatur quadrangle, line 11]

4. From road junction 1 mile south and 1 mile east from Prairie Hall along roads alternately east and south to point 3.5 miles north and 0.7 mile west from Bethany (by E. W. Gouchenour in 1929)

Prairie Hall, 1.0 mi. S. and 1.5 mi. E. from, near SW. cor. sec. 15, T. 15 N., R. 4 E., 22 ft. N. and 25 ft. E. from junction of T-rd. S., in root on S. side of large twin maple tree; copper nail and washer---

709. 38

Prairie Hall, 2.0 mi. S. and 1.5 mi. E. from, near SW. cor. sec. 22, T. 15 N., R. 4 E., 30 ft. N. and 20 ft. E. from junction of T-rd. E., in root on W. side of large cottonwood tree; copper nail and washer-----

706. 88

1200 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Prairie Hall, 3.0 mi. S. and 1.5 mi. E. from, near NW. cor. sec. 34, T. 15 N., R. 4 E., 27 ft. S. and 25 ft. E. from crossroads, in fence corner, in root on W. side of hedge tree; copper nail and washer	Feet 698.40
Prairie Hall, 4.0 mi. S. and 1.5 mi. E. from, 3.5 mi. N. thence 1.0 mi. W. from Bethany, near SW. cor. sec. 34, T. 15 N., R. 4 E., 39 ft. N. and 20 ft. E. from T-junction of E.-W. rd., in concrete post; standard tablet stamped "T T Sta No 24 E 1929"	688.206
[Continued in Sullivan quadrangle, line 1]	
5. From point 1.5 miles south and 0.7 mile west from Bethany west along road to point 1.1 miles east of Moweaqua (by E. W. Gouchenour in 1929)	
[Continued from Sullivan quadrangle, line 1]	
Bethany, 1.5 mi. S. and 1.0 mi. W. from, near NE. cor. sec. 33, T. 14 N., R. 4 E., 24 ft. S. and 20 ft. W. from crossroads, in corner of field, on large boulder; chiseled square	655.61
Bethany, 1.5 mi. S. and 2.0 mi. W. from, near SE. cor. sec. 29, T. 14 N., R. 4 E., 24 ft. N. and 66 ft. W. from junction of T-rd. S., in pasture, in root on E. side of walnut tree; copper nail and washer	665.99
Bethany, 1.5 mi. S. and 3.0 mi. W. from, at Younger School, near SW. cor. sec. 29, T. 14 N., R. 4 E., 25 ft. N. and 24 ft. E. from crossroads, in SW. corner of schoolyard, in concrete post; standard tablet stamped "T T Sta No 15 E 1929"	669.082
Reference mark, 9 ft. N and 15 ft. W. from tablet, on E. end of concrete culvert; chiseled square	669.07
T. 14 N., R. 3 E., about 1,500 ft. W. of E. cor. secs. 25 and 36, on S. end of concrete culvert; chiseled square	674.94
T. 14 N., R. 3 E., near SE. cor. sec. 26, 28 ft. N. and 63 ft. W. from crossroads, in pasture, in root on E. side of walnut tree; copper nail and washer	684.92
T. 14 N., R. 3 E., near SE. cor. sec. 27, 9.2 mi. E. of Moweaqua, 21 ft. N. and 36 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 14 E 1929" ³⁰	702.491
Reference mark, 75 ft. S. and 45 ft. E. from tablet, on E. end of concrete culvert; chiseled square	702.74
Moweaqua, 8.2 mi. E. of, near SW. cor. sec. 27, T. 14 N., R. 3 E., 14 ft. N. and 30 ft. E. from crossroads, on N. end of concrete culvert; chiseled square	713.66
Moweaqua, 6.2 mi. E. of, near SW. cor. sec. 29, T. 14 N., R. 3 E., 27 ft. N. and 17 ft. E. from junction of T-rd. N., in concrete post; standard tablet stamped "T T Sta No 13 E 1929"	726.849
Reference mark, 55 ft. S. and 390 ft. E. from tablet, in root on N. side of oak tree; copper nail and washer	727.78
Moweaqua, 5.2 mi. E. of, near SE. cor. sec. 35, T. 14 N., R. 2 E., 30 ft. N. and 710 ft. W. from crossroads, in root on S. side of elm tree; copper nail and washer	729.70
Moweaqua, 4.3 mi. E. of, near SW. cor. sec. 25, T. 14 N., R. 2 E., 20 ft. N. and 20 ft. E. from junction of T-rd. N., on E. end of concrete culvert; chiseled square	716.80

³⁰ In 1941 this bench mark was moved 14.5 ft. N.16°45'W. from this position and reset at an elevation 0.069 ft. lower than that originally determined. The figures given represent the new elevation.

Moweaqua, 3.3 mi. E. of, near NE. cor. sec. 34, T. 14 N., R. 2 E.; 25 ft. S. and 54 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 12 E 1929"-----	<i>Feet</i> 665. 973
Reference mark, on S. end of W. wing of concrete culvert; chiseled square-----	665. 36
Moweaqua, 2.1 mi. E. of, 0.25 mi. W. of SE. cor. sec. 28, T. 14 N., R. 2 E., 18 ft. N. and 30 ft. W. from intersection of sixteenth-section line fence, on N. end of concrete bridge; chiseled square-----	644. 11
Moweaqua, 1.3 mi. E. of, near NE. cor. sec. 32, T. 14 N., R. 2 E., 21 ft. S. and 25 ft. W. from crossroads, on W. end of concrete retaining wall; chiseled square (recovered in 1930)-----	642. 10

[Connects with line 1 in Assumption quadrangle]

6. From point about 1.5 miles south of Findlay along roads north and east to point 2.3 miles north and 0.2 mile east from Findlay (by S. R. Archer in 1930)

[Continued from Shelbyville quadrangle, line 6]

Findlay, 0.6 mi. S. of, 0.11 mi. S. of E ¹ / ₄ cor. sec. 4, T. 12 N., R. 4 E., 0.14 mi. N. of junction of T-rd. E., on W. side of rd., in root on NW. side of 12-in. wild-cherry tree; copper nail and washer-----	678. 86
Findlay, near S. edge of, at intersection of Chicago & Eastern Illinois Ry.; top of N. rail of N. main track-----	680. 6
Findlay, in main part of business section, 100 ft. E. of junction of T-street E., on S. side of street, at entrance to Masonic Hall, on E. end of stone doorsill; chiseled square-----	679. 90
Findlay, 1.0 mi. N. of, near NW. cor. sec. 34, T. 13 N., R. 4 E., 36 ft. S. and 20 ft. E. from crossroads, 18 ft. S. of fence corner, in concrete post; standard tablet stamped "T T Sta No 18 E 1929"-----	676. 074
Reference mark, 110 ft. W. of crossroads, on N. side of rd., in root on SE. side of 12-in. wild-cherry tree; copper nail and washer-----	675. 57
Findlay, 2.0 mi. N. of, near W. cor. secs. 22 and 27, T. 13 N., R. 4 E., on E. side of rd., at junction of T-rd. W., on N. side of gate, in root on SW. side of 24-in. locust tree; copper nail and washer-----	678. 78
Findlay, 2.3 mi. N. of, 0.25 mi. N. of SE. cor. sec. 21, T. 13 N., R. 4 E., 45 ft. N. of junction of T-rd. E., on W. side of rd., in root on W. side of small locust tree; copper nail and washer-----	666. 01

[Continued in Sullivan quadrangle, line 5]

7. From point 0.4 mile north and 2.9 miles east from Assumption generally north along roads to point 1.1 miles east of Moweaqua (by S. R. Archer in 1930)

[Continued from Assumption quadrangle, line 6]

Assumption, 0.4 mi. N. and 3.1 mi. E. from, 1.3 mi. E. thence 7.0 mi. S. from Moweaqua, near SW. cor. sec. 33, T. 13 N., R. 2 E., 25 ft. N. and 21 ft. E. from junction of T-rd. N., in concrete post; standard tablet stamped "T T Sta No 11 E 1929"-----	642. 343
Reference mark, 55 ft. N. and 75 ft. E. from rd. junction, 12 ft. S. and 15 ft. W. from SW. corner of schoolhouse, in root on NW. side of 30-in. maple tree; copper nail and washer-----	642. 61
Moweaqua, 1.3 mi. E. thence 6.0 mi. S. from, near NE. cor. sec. 32, T. 13 N., R. 2 E., 130 ft. S. of crossroads, on W. side of rd., in field, in root on W. side of 30-in. cottonwood tree; copper nail and washer--	631. 87

1202 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Moweaqua, 1.3 mi. E. thence 4.9 mi. S. from, 0.12 mi. N. of SW. cor. sec. 21, T. 13 N., R. 2 E., 625 ft. N. of crossroads, 50 ft. E. of center line of rd., 130 ft. S. of residence, on S. side of driveway to barn, 15 ft. N. of NE. corner of corncrib and shed, in root on N. side of 28-in. maple tree; copper nail and washer-----	<i>Feet</i> 631. 94
Moweaqua, 1.3 mi. E. thence 4.0 mi. S. from, near SW. cor. sec. 16, T. 13 N., R. 2 E., 15 ft. N. and 50 ft. E. from crossroads, 28 ft. E. of fence corner, in concrete post; standard tablet stamped "T T Sta No 10 E 1929"-----	626. 652
Reference mark, about 600 ft. N. of tablet, on E. side of rd., inside fence, in root on W. side of 12-in. hackberry tree; copper nail and washer---	623. 33
Moweaqua, 1.3 mi. E. thence 3.4 mi. S. from, 0.35 mi. S. of NW. cor. sec. 16, T. 13 N., R. 2 E., at S. end of bridge over Flat Hollow Creek, at E. circular steel pier, on SE. outside corner of circular steel plate, on top of thread and nut end of bolt; chiseled cross-----	607. 56
Moweaqua, 1.3 mi. E. thence 3.0 mi. S. from, near SW. cor. sec. 9, T. 13 N., R. 2 E., 125 ft. N. of crossroads, on E. side of rd., in root on SW. side of 36-in. oak tree; copper nail and washer-----	628. 13
Moweaqua, 1.3 mi. E. thence 2.0 mi. S. from, near S. cor. secs. 4 and 5, T. 13 N., R. 2 E., 190 ft. N. of junction of private rd. W., on top of S. end of W. head wall of concrete culvert; chiseled square--	612. 76
Moweaqua, 1.3 mi. E. thence 1.5 mi. S. from, near W $\frac{1}{4}$ cor. sec. 4, T. 13 N., R. 2 E., 25 ft. N. and 27 ft. E. from junction of T-rd E., in concrete post; standard tablet stamped "T T Sta No 9 E 1929"	609. 496
Moweaqua, 1.3 mi. E. thence 1.0 mi. S. from, near SE. cor. sec. 32, T. 14 N., R. 2 E., at offset crossroads, 120 ft. N. of junction of rd. N., on W. side of rd., in root on NE. side of 30-in oak tree; copper nail and washer -----	620. 83

[Continued in Assumption quadrangle, line 7]

8. From point 1 mile north and 0.1 mile west from Macon along roads east 0.1 mile, thence south to Macon (by W. C. Elledge in 1940; spur line)

[Continued from Assumption quadrangle, line 12]

Macon, 1.0 mi. N. of, near SW. cor. sec. 21, T. 15 N., R. 2 E., 33 ft. N. and 37 ft. E. from crossroads, in root on W. side of 24-in elm tree; copper nail and washer -----	726. 38
Macon triangulation sta. (U. S. C. & G. S.), at Macon, 94 ft. S. of SE. corner of Illinois Central R. R. sta., 2.39 ft. N. of N. edge of sidewalk, 10.79 ft. E. of E. rail, near S. end of sta. platform, in concrete post; U. S. C. & G. S. standard triangulation-station disk stamped "Macon 1920"-----	721. 262

RIDGE FARM QUADRANGLE

[Latitude 39°45'–40°00'; longitude 87°30'–87°45']

EDGAR AND VERMILION COUNTIES

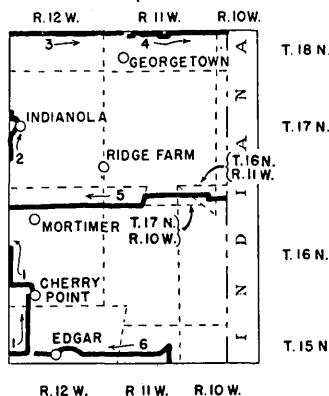


FIGURE 202.—Lines of leveling in Ridge Farm quadrangle.

1. From point 3 miles south and 2.8 miles east from Metcalf along roads east to crossroads 1.5 miles west of Edgar, thence north to point 0.5 mile north of Cherry Point, thence alternately west and north to point 2.5 miles north and 2.8 miles east from Metcalf (by S. R. Archer in 1935)

[Continued from Hume quadrangle, line 7]

Metcalf, 3.0 mi. S. and 3.0 mi. E. from, 2.5 mi. W. of Edgar, near E $\frac{1}{4}$ cor. sec. 16, T. 15 N., R. 12 W., 30 ft. N. and 50 ft. W. from crossroads, 35 ft. W. of SE. corner of yard of farmhouse, in root on SE. side of 30-in. maple tree; copper nail and washer-----	Feet 654.47
Edgar, 1.5 mi. W. of, near W $\frac{1}{4}$ cor. sec. 14, T. 15 N., R. 12 W., 30 ft. S. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 82 F 1929 655" (recovered in 1936)-----	655.081
Edgar, 1.5 mi. W. thence 1.2 mi. N. from, 0.25 mi. S. of NE. cor. sec. 10, T. 15 N., R. 12 W., 35 ft. W. of junction of T-rd. W., on N. side of rd., in root on SE. side of 24-in. Osage-orange tree; copper nail and washer-----	651.04
Edgar, 1.5 mi. W. thence 2.4 mi. N. from, 0.3 mi. W. thence 0.5 mi. S. from Cherry Point, near NE. cor. sec. 3, T. 15 N., R. 12 W., 200 ft. S. and 25 ft. W. from intersection of U. S. Highway 36, 130 ft. N. of SE. corner of Cherry Point cemetery, 20 ft. N. of driveway, in concrete post; standard tablet stamped "T T 83 F 1929 646"-----	646.289
Cherry Point, 0.25 mi. W. of center of sec. 33, T. 16 N., R. 12 W., 225 ft. N. of Baltimore & Ohio R. R. crossing, 185 ft. N. of junction of N.-S. rd., on E. side of rd., in root on W. side of 12-in. boxelder tree; copper nail and washer-----	650.56

1203

1204 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Cherry Point, 0.5 mi. N. of, 0.25 mi. E. of SW. cor. sec. 28, T. 16 N., R. 12 W., 50 ft. E. of crossroads, on N. side of rd., on SW. corner of concrete base of gasoline pump; chiseled square-----	Feet 658. 00
Cherry Point, 0.5 mi. N. thence 1.2 mi. W. from, near NW. cor. sec. 32, T. 16 N., R. 12 W., 50 ft. E. of junction of T-rd. N., on S. side of rd., at fence line, in root on N. side of small three-forked hackberry tree; copper nail and washer-----	661. 55
Cherry Point, 1.6 mi. N. and 1.2 mi. W. from, near SE. cor. sec. 19, T. 16 N., R. 12 W., 340 ft. N. of T-rd. W., on W. end of S. concrete abutment of bridge over creek; chiseled square-----	651. 56
Cherry Point, 2.0 mi. N. and 1.2 mi. W. from, 2.0 mi. N. and 3.0 mi. E. from Metcalf, near W $\frac{1}{4}$ cor. sec. 20, T. 16 N., R. 12 W., 30 ft. S. and 25 ft. E. from junction of T-rd. E., in concrete post; standard tablet stamped "T T 84 F 1929 654"-----	654. 366

[Continued in Hume quadrangle, line 8]

2. From point 2.5 miles southwest of Indianola along road northeast and northwest to point 1.1 miles northwest of Indianola (by S. R. Archer in 1935)

[A jog from Hume quadrangle, line 9]

Indianola, 0.5 mi. SW. thence 1.5 mi. S. from, near W $\frac{1}{4}$ cor. sec. 29, T. 17 N., R. 12 W., 140 ft. NE. of junction of rd. N., at front entrance to schoolhouse, on top of W. end of concrete step; chiseled square--	667. 02
Indianola, 0.5 mi. SW. thence 1.0 mi. S. from, near W. cor. secs. 20 and 29, T. 17 N., R. 12 W., at bridge over Little Vermilion River, on SE. end of E. wing wall of S. concrete abutment; chiseled square-----	644. 27
Indianola, 180 ft. W. of W. limits of, in NW $\frac{1}{4}$ sec. 20, T. 17 N., R. 12 W., 670 ft. NE. of junction of NE-SW. rd., 180 ft. W. of end of pavement, on N. side of rd., on NE. end of concrete culvert under driveway to farmhouse; chiseled square-----	675. 61
Indianola, near Chicago & Eastern Illinois Ry. sta., 21 ft. S. and 15 ft. E. from intersection of street and main track, 10 ft. S. of S. rail, 2 ft. S. and 2 ft. W. from warning signal, in concrete post; standard tablet stamped "T T 79 E 1929 674"-----	673. 894
Indianola, 1.0 mi. NW. of, 0.1 mi. W. of SE. cor. sec. 7, T. 17 N., R. 12 W., at NW. corner of cemetery, 20 ft. W. of intersection of center line of right angle in rd., on E. end of N. head wall of concrete culvert; chiseled square-----	668. 40

[Continued in Hume quadrangle, line 9]

3. From point 0.5 mile north and 3 miles east from Jamaica east along roads to point 1.5 miles north of Georgetown (by S. R. Archer in 1935)

[Connects with line 2 in Hume quadrangle]

Jamaica, 0.5 mi. N. and 3.8 mi. E. from 1.5 mi. N. thence 5.2 mi. W. from Georgetown, 0.25 mi. W. of SE. cor. sec. 20, T. 18 N., R. 12 W., 165 ft. W. of junction of T-rd. N., on N. side of rd., at fence line, in root on S. side of 24-in. walnut tree; copper nail and washer-----	676. 63
Georgetown, 1.5 mi. N. thence 4.6 mi. W. from about 0.1 mi. W. of S $\frac{1}{4}$ cor. sec. 21, T. 18 N., R. 12 W., 500 ft. E. of crossroads, on N. side of rd., 180 ft. W. of farmhouse, at SW. corner of yard, in root on SW. side of 24-in. maple tree, corner tree of rows N. and E.; copper nail and washer-----	675. 41

Georgetown, 1.5 mi. N. thence 4.0 mi. W. from, near N. cor. sec. 27 and 28, T. 18 N., R. 12 W., on S. side of rd., at entrance to schoolhouse, on W. end of concrete doorstep; chiseled square-----	<i>Feet</i> 676. 47
Georgetown, 1.5 mi. N. thence 3.4 mi. W. from, near N $\frac{1}{4}$ cor. sec. 27, T. 18 N., R. 12 W., in SE. corner of crossroads, on S. head wall of concrete culvert under rd. E.; chiseled square-----	681. 19
Georgetown, 1.5 mi. N. thence 2.8 mi. W. from, about 1.2 mi. (along R. R.) SW. of Steelton, 1,025 ft. E. of SW. cor. sec. 23, T. 18 N., R. 12 W., 34 ft. N. and 16 ft. W. from intersection of Chicago & Eastern Illinois Ry., 31 ft. W. of W. rail of track, in concrete post; standard tablet stamped "T T 63 E 1929 677"-----	676. 864
Georgetown, 1.5 mi. N. thence 2.0 mi. W. from, near SW. cor. sec. 24, T. 18 N., R. 12 W., 23 ft. N. and 20 ft. E. from junction of T-rd. S., 24 ft. E. of center line of private rd. N., in root on E. side of 15-in. hackberry tree; copper nail and washer-----	675. 99
Georgetown, 1.5 mi. N. thence 1.5 mi. W. from, near S $\frac{1}{4}$ cor. sec. 24, T. 18 N., R. 12 W., 100 ft. W. of crossroads, on N. side of rd., at fence line, in root on S. side of 15-in. hackberry tree; copper nail and washer-----	668. 19
Georgetown, 1.5 mi. N. thence 1.0 mi. W. from, near SE. cor. sec. 24, T. 18 N., R. 12 W., 80 ft. W. of junction of T-rd. S., on N. side of rd., in barn lot, in root on SE. side of 40-in. maple tree; copper nail and washer-----	674. 68
Georgetown, 1.5 mi. N. thence 0.2 mi. W. from, at intersection of Cleveland, Cincinnati, Chicago & St. Louis Ry.; top of E. rail-----	671. 5
Georgetown, 1.5 mi. N. of, near NE. cor. sec. 30, T. 18 N., R. 11 W., 21 ft. S. and 35 ft. W. from junction of State Highway 1, 2 ft. S. of fence corner, in concrete post; standard tablet stamped "T T Sta No 64 E 1929 665" (recovered in 1936)-----	665. 424
Reference mark, 260 ft. W. of tablet, 320 ft. W. of rd. junction, on W. end of S. head wall of concrete culvert; chiseled square (recovered in 1936)-----	665. 38

[Continued in Danville quadrangle, line 10]

4. From road junction 1.5 miles north of Georgetown generally east along roads to Illinois-Indiana State line (by S. R. Archer in 1936)⁵¹

Georgetown, 1.5 mi. N. thence 0.5 mi. E. from, near N $\frac{1}{4}$ cor. sec. 29, T. 18 N., R. 11 W., 60 ft. N. and 30 ft. W. from junction of T-rd. S., in field, in lower of two notches in root on SE. side of 24-in. hackberry tree; copper nail and washer-----	652. 04
Georgetown, 1.5 mi. N. thence 1.5 mi. E. from, about 0.2 mi. N. of center of NW $\frac{1}{4}$ sec. 28, T. 18 N., R. 11 W., 45 ft. S. of junction of rd. E., on S. end of E. head wall of concrete culvert; chiseled square-----	656. 24
Georgetown, 1.5 mi. N. thence 2.3 mi. E. from, 0.25 mi. N. of W $\frac{1}{4}$ cor. sec. 27, T. 18 N., R. 11 W., 160 ft. E. of section line, 40 ft. S. of rd., 16 ft. S. of fence, in field, in root on N. side of 10-in. walnut tree; copper nail and washer-----	653. 05
Georgetown, 1.5 mi. N. thence 2.8 mi. E. from, 0.25 mi. N. of center of sec. 27, T. 18 N., R. 11 W., in NW. angle of junction of T-rd. N., in front of schoolhouse, on SE. corner of concrete porch; chiseled square-----	670. 33

⁵¹ The last part of this line appears also in Danville quadrangle, line 11.

1206 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Georgetown, 1.5 mi. N. thence 3.0 mi. E. from, 0.3 mi. W. of Meeks, near quarter corner between secs. 22 and 27, T. 18 N., R. 11 W., 25 ft. W. of junction of T-rd. E., on S. side of driveway, in fence corner, in concrete post; standard tablet stamped "T T No 65 E 1929 682"-----	<i>Feet</i> 681.779
Meeks, just SW. of sta., at intersection of Chicago, Milwaukee, St. Paul & Pacific R. R.; top of W. rail of main track-----	679.0
Meeks, 0.7 mi. E. of, near S¼ cor. sec. 23, T. 18 N., R. 11 W., 75 ft. N. and 35 ft. W. from crossroads, 28 ft. E. of NE. corner of church, in N. part of double root on E side of 36-in. maple tree; copper nail and washer-----	668.58
Meeks, 1.3 mi. E. of, near SW. cor. sec. 24, T. 18 N., R. 11 W., 440 ft. E. of junction of T-rd. S., on N. side of rd., in fence line, in root in SW. side of 30-in. walnut tree; copper nail and washer-----	650.11
Meeks, 2.2 mi. E. of, near NE. cor. sec. 25, T. 18 N., R. 11 W., 15 ft. S. and 40 ft. W. from junction of T-rd. S., in root on NW. side of 12-in. walnut tree; copper nail and washer-----	650.68
Meeks, 2.6 mi. E. of, near S¼ cor. sec. 19, T. 18 N., R. 10 W., 0.14 mi. W. of Illinois-Indiana State line, in NW. angle of junction of T-rd. N., in root on S. side of 40-in. oak tree; copper nail and washer-----	649.05
Meeks, 2.7 mi. E. of, near N¼ cor. sec. 30, T. 18 N., R. 10 W., near Illinois-Indiana State line, 25 ft. S. and 20 ft. E. from junction of T-rd. S., in concrete post; standard tablet stamped "T T 66 E 1929 628" ²² -----	628.128

[Continued in Indiana]

5. From point on Illinois-Indiana State line 0.5 mile north and 0.2 mile west from Quaker, Ind., generally west along roads to point 0.5 mile north and 1.5 miles west from Mortimer (by S. R. Archer in 1935)

[Continued from Indiana]

Quaker, Ind., 0.5 mi. N. and 1.2 mi. W. from, 1.6 mi. S. and 5.5 mi. E. from Ridge Farm, 0.25 mi. S. of center of sec. 1, T. 16 N., R. 11 W., 40 ft. N. and 60 ft. W. from junction of N.-S. rd., in yard S. of farmhouse, in root on NE. side of large cottonwood tree; copper nail and washer-----	659.59
Ridge Farm, 1.5 mi. S. and 4.9 mi. E. from, about 0.25 mi. W. of E¼ cor. sec. 2, T. 16 N., R. 11 W., 20 ft. N. and 35 ft. E. from junction of T-rd. N., in concrete post; standard tablet stamped "T T 90 F 1929 655"-----	655.324
Ridge Farm, 1.5 mi. S. and 4.0 mi. E. from, near W¼ cor. sec. 31, T. 17 N., R. 10 W., at S. end of jog in rd. on range line, 25 ft. E. of angle to N., on E. end of S. head wall of concrete culvert; chiseled square-----	674.62
Ridge Farm, 1.4 mi. S. and 3.0 mi. E. from, near W¼ cor. sec. 36, T. 17 N., R. 11 W., in SE. angle of crossroads, in fence corner, in root on N. side of 40-in. maple tree; copper nail and washer-----	660.06
Ridge Farm, 1.4 mi. S. and 2.0 mi. E. from, near W¼ cor. sec. 35, T. 17 N., R. 11 W., on old Indian Boundary Line, in concrete post; standard tablet stamped "T T 89 F 1929 676"-----	675.688

²² This bench mark is in Indiana.

Ridge Farm, 2.0 mi. S. thence 1.9 mi. E. from, near E. cor. secs. 5 and 8, T. 16 N., R. 11 W., on old Indian Boundary Line, in SW. corner of junction of rd. W., on W. end of S. head wall of culvert; chiseled square-----	<i>Feet</i> 654. 07
Ridge Farm, 2.0 mi. S. thence 1.0 mi. E. from, near SE. cor. sec. 6, T. 16 N., R. 11 W., in NW. angle of crossroads, 1 ft. N. of angular corner of W. concrete head wall of culvert under rd. N.; chiseled square-----	674. 00
Ridge Farm, 2.0 mi. S. of, at Woodyard Siding, near SE. cor. sec. 1, T. 16 N., R. 12 W., 570 ft. E. of crossroads, 20 ft. N. and 50 ft. E. from intersection of C. C. C. & St. L. Ry., 35 ft. W. of State Highway 1, in concrete post; standard tablet stamped "T T 88 F 1929 670"-----	669. 955
Reference mark, 45 ft. SW. of tablet, 60 ft. W. of highway, on E. side of tracks, on S. side of rd., on top of S. end of angular head wall of concrete culvert under R. R.; chiseled square-----	672. 24
Ridge Farm, 2.0 mi. S. thence 0.9 mi. W. from, 50 ft. W. of NE. cor. sec. 11, T. 16 N., R. 12 W., on S. side of rd., 35 ft. N. of NW. corner of old schoolhouse, in root on NE. side of forked maple tree, easternmost of row of trees in front of schoolyard; copper nail and washer-----	737. 67
Ridge Farm, 2.0 mi. S. thence 1.9 mi. W. from, 35 ft. E. of SW. cor. sec. 2, T. 16 N., R. 12 W., 20 ft. E. of private rd. N., on W. end of N. head wall of concrete culvert; chiseled square-----	702. 49
Ridge Farm, 2.0 mi. S. thence 2.9 mi. W. from, 0.5 mi. N. thence 0.7 mi. E. from Mortimer, near SE. cor. sec. 4, T. 16 N., R. 12 W., 20 ft. N. and 35 ft. W. from crossroads, 5 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 87 F 1929 678"-----	678. 492
Reference mark, 650 ft. E. of tablet, 180 ft. E. of New York, Chicago & St. Louis R. R. overhead bridge, on W. end of N. head wall of concrete culvert under rd.; chiseled square-----	671. 00
Mortimer, 0.5 mi. N. of, 0.25 mi. E. of SW. cor. sec. 4, T. 16 N., R. 12 W., 28 ft. N. of junction of rd. S., in crotch between the two NW. trees of group of four hedge trees; copper nail and washer----	707. 73
Mortimer, 0.5 mi. N. thence 0.5 mi. W. from, 0.25 mi. W. of NE. cor. sec. 8, T. 16 N., R. 12 W., 100 ft. S. and 30 ft. W. from junction of T-rd. N., on W. side of lane S., in root on E. side of 24-in. maple tree, northernmost in row of trees along lane; copper nail and washer-----	723. 03

[Connects with line 8 in Hume quadrangle]

6. From point 1.1 miles north and 1 mile east from Logan along roads north 0.7 mile, thence generally west to crossroads 1.5 miles west of Edgar (by S. R. Archer in 1936)

[Continued from Paris quadrangle, line 6]

Logan, 1.8 mi. N. and 1.0 mi. E. from, about 700 ft. S. of N¼ cor. sec. 1, T. 15 N., R. 11 W., 20 ft. S. and 20 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 123 F 1929 612"-----	612. 523
Logan, 1.5 mi. N. and 0.5 mi. E. from, near quarter corner between secs. 11 and 12, T. 15 N., R. 11 W., on N side of rd., at angle from SW. to W., in SE. corner of yard of farmhouse, in root on S. side of 30-in. maple tree; copper nail and washer-----	610. 68

1208 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Logan, 1.5 mi. N. and 0.2 mi. W. from, 0.25 mi. W. of center of sec. 11, T. 15 N., R. 11 W., 110 ft. N. and 80 ft. E. from junction of T-rd. S., 24 ft. N. of NE. corner of residence, in root on S. side of 24-in. maple tree; copper nail and washer-----	<i>Feet</i> 628.74
Logan, 1.5 mi. N. and 1.6 mi. W. from, 3.6 mi. E. of Edgar, 990 ft. W. of E $\frac{1}{4}$ cor. sec. 9, T. 15 N., R. 11 W., 40 ft. N. and 20 ft. E. from junction of rd. S. on old Indian Boundary Line, in concrete post; standard tablet stamped "T T 124 F 1929 635"-----	635.131
Reference mark, 50 ft. S. of rd. junction, on N. end of W. head wall of concrete culvert; chiseled square-----	637.38
Edgar, 2.8 mi. E. of, near W $\frac{1}{4}$ cor. sec. 16, T. 15 N., R. 11 W., 175 ft. E. of private rd. S. along section line, on S. side of rd., 15 ft. S. of fence line, in field, in root on N. side of 24-in. hickory tree; copper nail and washer-----	632.84
Edgar, 2.0 mi. E. of, 0.25 mi. W. of center of sec. 17, T. 15 N., R. 11 W., 40 ft. N. and 35 ft. W. from junction of rd. N., at N end of jog N. in E-W. rd., in root on NE. side of 30-in. oak tree; copper nail and washer-----	636.91
Edgar, 1.7 mi. E. of, near W $\frac{1}{4}$ cor. sec. 17, T. 15 N., R. 11 W., 40 ft. E. of T-rd. S., at bridge over Brouillets Creek, at foot of SW. end of SE. steel truss, 1 ft. above cylindrical pier, on S. corner of box expansion plate, on head of rivet; chiseled square-----	609.81
Edgar, 1.0 mi. E. of, at Bloomfield, in NW $\frac{1}{4}$ sec. 18, T. 15 N., R. 11 W., 15 ft. N. and 30 ft. W. from intersection of State Highway 1, in concrete post; standard tablet stamped "T T 125 F 1929 634"-----	633.763
Reference mark, 150 ft. S. of crossroads, on N. end of W. head wall of concrete culvert; chiseled square-----	632.39
Edgar, at NE. edge of, just W. of right-angle jog N. in rd., 75 ft. S. and 30 ft. E. from junction of T-street S., 5 ft. W. of W. edge of sidewalk, in root on NE. side of 12-in. boxelder tree; copper nail and washer-----	647.71
Edgar, at N. edge of, at intersection of C. C. C. & St. L. Ry.; top of W. rail-----	647.5
Edgar, 0.7 mi. W. of, about 0.2 mi. W. of E $\frac{1}{4}$ cor. sec. 14, T. 15 N., R. 12 W., at bridge over South Fork of Brouillets Creek, on S. end of S. wing wall of W. concrete abutment; chiseled square-----	637.46

SHELBYVILLE QUADRANGLE

[Latitude 39°15'–39°30'; longitude 88°45'–89°00']

SHELBY COUNTY

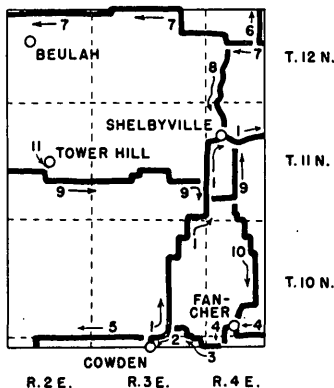


FIGURE 203.—Lines of leveling in Shelbyville quadrangle.

1. From Cowden alternately north and east along roads to Shelbyville, thence east along Cleveland, Cincinnati, Chicago & St. Louis Railway (by P. E. Fletcher in 1907)

[Continued from St. Elmo quadrangle, line 1]

Cowden, 0.5 mi. N. thence 0.9 mi. E. from, 600 ft. W. of SE. cor. sec. 32, T. 10 N., R. 3 W.; standard iron post with bronze cap stamped "607" (recovered in 1928)-----	Feet 605.915
Cowden, 3.5 mi. N. and 1.0 mi. E. from, near NE. cor. sec. 22, T. 10 N., R. 3 E., in SW. corner of crossroads; standard iron post with bronze cap-----	600.253
Cowden, 5.5 mi. N. and 2.0 mi. E. from, 6.8 mi. SW. of Shelby County courthouse at Shelbyville, near SW. cor. sec. 1, T. 10 N., R. 3 E., in NE. corner of crossroads; standard iron post with bronze cap-----	588.740
Shelbyville, 3.9 mi. SW. of, near NW. cor. sec. 31, T. 11 N., R. 3 E., in SE. angle of junction of T-rd. E.; standard iron post with bronze cap (recovered in 1930 and stamped "15 A 1930") ³³ -----	605.660
Shelbyville, at S. front of Shelby County courthouse, in E. end of second step; aluminum tablet ³⁴ -----	649.551

[Continued in Stewardson quadrangle, line 1]

³³ In 1930 this bench mark was moved to a point 20 ft. south and 45 ft. east from the road junction and was reset at an elevation 0.104 ft. lower than that originally determined. The figures given represent the new elevation.

³⁴ In 1940 this bench mark was reset at an elevation 0.230 ft. lower than that originally determined. The figures given represent the new elevation.

1210 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

2. From point 0.5 mile north and 0.9 mile east from Cowden west and south along roads to Cowden (by E. W. Gouchenour in 1928)

Cowden, 0.5 mi. N. of, near NE. cor. sec. 4, T. 9 N., R. 3 E., 25 ft. S. and 35 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 101 LS 1924" (recovered in 1930)-----	Feet 601. 421
Reference mark, 30 ft. N. and 80 ft. E. from crossroads, inside cemetery fence, in 14-in. maple tree; copper nail and washer (recovered in 1930)-----	603. 94
Cowden, opposite sta., on SW. corner of SW. pedestal of water tank; chiseled square (Baltimore & Ohio R. R. B. M.)-----	601. 96

[Continued in St. Elmo quadrangle, line 2]

3. From point 1.1 miles south and 0.5 mile west from Fancher generally northwest along roads to point 0.5 mile north and 0.9 mile east from Cowden (by E. W. Gouchenour in 1928)

[Continued from St. Elmo quadrangle, line 3]

Fancher, 1.0 mi. S. and 0.5 mi. W. from, near E¼ cor. sec. 6, T. 9 N., R. 4 E., 90 ft. W. of junction of T-rd. W., at bridge over small creek, on W. end of S. wing wall; chiseled square (recovered in 1929)-----	569. 58
Fancher, 1.0 mi. S. and 1.5 mi. W. from, 3.0 mi. E. of Cowden, 1.0 mi. SW. of Thompson Mill Bridge over Kaskaskia River, near W¼ cor. sec. 6, T. 9 N., R. 4 E., 30 ft. S. and 20 ft. E. from T-junction of N-S. rd., in root on NW. side of 30-in. black-oak tree; copper nail and washer-----	609. 60
Cowden, 0.5 mi. N. and 2.0 mi. E. from, 0.4 mi. NW. of Thompson Mill Bridge over Kaskaskia River, near SE. cor. sec. 35, T. 10 N., R. 3 E., on W. side of rd., at bend N., 20 ft. N. and 20 ft. W. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 102 LS 1924"-----	519. 774
Reference mark, 110 ft. N. of N. pier of Thompson Mill Bridge, 45 ft. E. of center line of rd., in root on W. side of 48-in. elm tree; copper nail and washer-----	519. 76
Cowden, 1.0 mi. N. and 1.5 mi. E. from, near center of sec. 35, T. 10 N., R. 3 E., 80 ft. E. of right-angle bend N. in rd., in N. fence line, in root on S. side of 24-in. black-oak tree; copper nail and washer-----	599. 99
Cowden, 1.0 mi. N. and 1.0 mi. E. from, near W¼ cor. sec. 35, T. 10 N., R. 3 E., 60 ft. N. and 30 ft. E. from T-junction of N-S. rd., in root on SW. side of twin oak tree; copper nail and washer-----	603. 87

4. From point 0.5 mile south and 1.5 miles east from Fancher along roads west and north to Fancher, thence west and south to road junction 1 mile south and 0.5 mile west from Fancher (by E. E. Harris in 1929)

[Continued from Stewardson quadrangle, line 3]

Fancher, 0.5 mi. S. of, near S¼ cor. sec. 32, T. 10 N., R. 4 E., 270 ft. E. of right-angle turn in rd., on N. side of rd., on W. end of concrete culvert; chiseled square-----	566. 41
Fancher, near E. side of, on E. side of rd., in line with T-rd. W., at fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 82 LS 1924" (recovered in 1930)-----	616. 123
Reference mark, 172 ft. S. of tablet, on E. side of street, in front of residence, in root on W. side of 36-in. maple tree; copper nail and washer (recovered in 1930)-----	614. 58

5. From crossroads 0.5 mile north of Cowden along roads west 6 miles, thence south to point 2.1 miles north and 0.7 mile east from Herrick (by L. V. Johnson in 1930)

Cowden, 0.5 mi. N. thence 1.0 mi. W. from, near SE. cor. sec. 32, T. 10 N., R. 3 E., 17 ft. N. and 150 ft. W. from junction of T-rd. N., in fence line, in root on W. side of 24-in. elm tree; copper nail and washer-----	Feet 558.55
Cowden, 0.5 mi. N. thence 2.0 mi. W. from, near SE. cor. sec. 31, T. 10 N., R. 3 E., 20 ft. N. and 19 ft. W. from junction of T-rd. N., 20 ft. N. of junction of T-rd. S., 3 ft. S. of fence corner, in root on SW. side of 24-in. elm tree; copper nail and washer-----	581.04
Cowden, 0.5 mi. N. thence 3.0 mi. W. from, near SE. cor. sec. 36, T. 10 N., R. 2 E., 15 ft. N. and 30 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 100 LS 1924"-----	584.877
Reference mark, 15 ft. S. and 25 ft. E. from crossroads, in fence line, in root on W. side of group of five redbud trees; copper nail and washer-----	582.72
Cowden, 0.5 mi. N. thence 4.0 mi. W. from, near NE. cor. sec. 2, T. 9 N., R. 2 E., 12 ft. S. and 105 ft. W. from junction of T-rd. S., 12 ft. S. and 80 ft. W. from junction of T-rd. N., at large culvert over creek, on S. concrete head wall; chiseled square-----	594.22
Cowden, 0.5 mi. N. thence 4.5 mi. W. from, 570 ft. W. of quarter corner between secs. 2 and 35, Tps. 9 and 10 N., R. 2 E., at NE. corner of bridge over creek, on NE. concrete wing wall; chiseled square-----	571.27
Cowden, 0.5 mi. N. thence 5.2 mi. W. from, 0.25 mi. W. of SE. cor. sec. 34, T. 10 N., R. 2 E., 7 ft. N. and 20 ft. E. from junction of T-rd. S., in center of N. concrete head wall of culvert; chiseled square-----	592.79
Cowden, 0.5 mi. N. thence 6.0 mi. W. from, 2.5 mi. N. and 0.7 mi. E. from Herrick, near S. cor. secs. 33 and 34, T. 10 N., R. 2 E., 63 ft. W. of junction of T-rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 99 LS 1924"-----	601.547
Reference mark, 150 ft. E. of rd. junction, on E. end of S. concrete head wall of culvert; chiseled square-----	602.74

[Continued in St. Elmo quadrangle, line 4]

6. From point 3 miles south and 0.2 mile east from Findlay along roads west 0.2 mile, thence north 1.5 miles (by S. R. Archer in 1930)

[Continued from Stewardson quadrangle, line 4]

Findlay, 3.0 mi. S. of, 5.3 mi. N. thence 2.0 mi. E. from Shelbyville, near NE. cor. sec. 21, T. 12 N., R. 4 E., 25 ft. S. and 80 ft. W. from junction of T-rd. N., in root on NW. side of 15-in. maple tree; copper nail and washer-----	681.21
Findlay, 2.0 mi. S. of, near NW. cor. sec. 15, T. 12 N., R. 4 E., in SE. corner of junction of T-rd. E., on top of E. end of concrete culvert; chiseled square-----	687.76
Findlay, 1.5 mi. S. of, near E $\frac{1}{4}$ cor. sec. 9, T. 12 N., R. 4 E., 27 ft. S. and 20 ft. W. from junction of T-rd. W., in concrete post; standard tablet stamped "T T Sta No 19 E 1929"-----	686.541

[Continued in Prairie Home quadrangle, line 6]

1212 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

7. From road junction 3 miles south of Findlay alternately west and north along roads to point 1.2 miles north and 1 mile west from Beulah (by S. R. Archer in 1930)

Findlay, 3.0 mi. S. thence 1.0 mi. W. from, 5.3 mi. N. thence 1.0 mi E. from Shelbyville, near cor. secs. 16, 17, 20, and 21, T. 12 N., R. 4 E., on N. side of rd., at main entrance on E. side of Bethel School, on top of S. end of lowest of three concrete steps; chiseled square-----	Feet 669. 37
Shelbyville, 5.3 mi. N. of, 710 ft. S. of NE. cor. sec. 19, T. 12 N., R. 4 E., 30 ft. W. of T-junction of N-S. rd., in concrete post; standard tablet stamped "Prim Trav Sta No 78 LS 1924"-----	674. 322
Reference mark, in SE. corner of rd. junction, at E. end of concrete culvert, on top of S. end of S. wing wall; chiseled square-----	674. 88
Shelbyville, 5.9 mi. N. of, near W¼ cor. sec. 17, T. 12 N., R. 4 E., on E. side of N-S. rd., opposite T-rd. W., in crotch of small double wild-cherry tree; copper nail and washer-----	677. 01
Shelbyville, 5.9 mi. N. thence 1.0 mi. W. from, 0.5 mi. N. thence 2.8 mi. E. from Westervelt, near W¼ cor. sec. 18, T. 12 N., R. 4 E., in NE. corner of crossroads, on top of N. concrete head wall of culvert; chiseled square-----	673. 50
Westervelt, 0.5 mi. N. thence 1.5 mi. E. from, 0.25 mi. E. of center of sec. 14, T. 12 N., R. 3 E., 20 ft. S. and 55 ft. E. from crossroads, 25 ft. E. of fence corner, in root on NE. side of 40-in. elm tree; copper nail and washer-----	646. 70
Westervelt, 1.5 mi. N. and 1.5 mi. E. from, 0.25 mi. E. of center of sec. 11, T. 12 N., R. 3 E., in SE. corner of crossroads, on top of S. concrete head wall of culvert; chiseled square-----	664. 02
Westervelt, 1.5 mi. N. and 0.8 mi. E. from, near W¼ cor. sec. 11, T. 12 N., R. 3 E., 25 ft. S. and 20 ft. E. from crossroads, 8 ft. E. of fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 89 LS 1924"-----	648. 534
Westervelt, 1.5 mi. N. of, 0.25 mi. W. of center of sec. 10, T. 12 N., R. 3 E., 25 ft. N. and 40 ft. E. from crossroads, 20 ft. E. of fence corner, in root on NE. side of 24-in. hackberry tree; copper nail and washer-----	681. 08
Westervelt, 1.5 mi. N. thence 1.2 mi. W. from, near W¼ cor. sec. 9, T. 12 N., R. 3 E., 85 ft. S. and 100 ft. E. from crossroads, at entrance at NW. corner of church, at foot of flight of wooden steps, on N. end of concrete step; chiseled square-----	706. 05
Westervelt, 1.5 mi. N. thence 1.8 mi. W. from, near center of sec. 8, T. 12 N., R. 3 E., in SW. corner of junction of T-rd. S., on W. concrete head wall of drain, 2.6 ft. N. of S. end; chiseled square-----	670. 83
Westervelt, 1.5 mi. N. thence 2.3 mi. W. from, 1.5 mi. N. and 4.1 mi. E. from Beulah, near quarter corner between secs. 7 and 8, T. 12 N., R. 3 E., 25 ft. N. and 40 ft. E. from T-junction of N-S. rd., 12 ft. E. of fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 90 LS 1924"-----	665. 591
Reference mark, 0.25 mi. S. of tablet, in NW. corner of right-angle turn in rd., in root on W. side of 20-in. Osage-orange tree; copper nail and washer-----	661. 63
Beulah, 1.2 mi. N. thence 3.2 mi. E. from, 0.25 mi. N. of SE. cor. sec. 12, T. 12 N., R. 2 E., 175 ft. W. of crossroads, on N. side of rd., in SE. corner of yard of farmhouse, in root on SE. side of 24-in. maple tree; copper nail and washer-----	642. 27

Beulah, 1.2 mi. N. thence 2.2 mi. E. from, 0.25 mi. N. of SE. cor. sec. 11, T. 12 N., R. 2 E., in SW corner of crossroads, at concrete culvert under rd S., on N. end of W. head wall, at foot of N. end of iron railing; chiseled square-----	<i>Feet</i> 640. 36
Beulah, 1.2 mi. N. thence 1.2 mi. E. from, 0.25 mi. N. of SW. cor. sec. 11, T. 12 N., R. 2 E., 25 ft. N. and 35 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 91 LS 1924"-----	639. 353
Reference mark, 25 ft. N. and 50 ft. W. from crossroads, 25 ft. W. of fence corner, in root on SE. side of 15-in. hedge tree; copper nail and washer-----	638. 99
Beulah, 1.2 mi. N. thence 0.7 mi. E. from, 0.25 mi. S. of center of sec. 10, T. 12 N., R. 2 E., 120 ft. W. of junction of T-rd. S., on N. side of rd., on W. side of gate to barn lot, in root on SE. side of 30-in. locust tree; copper nail and washer-----	644. 33
Beulah, 1.2 mi. N. of, near center of SE $\frac{1}{4}$ sec. 9, T. 12 N., R. 2 E., 150 ft. E. of crossroads, on N. side of rd., in field, in root on SE. side of 24-in. maple tree; copper nail and washer-----	642. 61
Beulah, 1.2 mi. N. thence 0.8 mi. W. from, 0.25 mi. N. of SW. cor. sec. 9, T. 12 N., R. 2 E., 40 ft. N and 25 ft. E. from crossroads, 18 ft. N. of fence corner, in field, in root on S. side of 40-in. maple tree; copper nail and washer-----	642. 69

[Continued in Pana quadrangle, line 2]

8. From road junction 5.3 miles north of Shelbyville generally south along road to Shelbyville (by S. R. Archer in 1930)

Shelbyville, 4.5 mi. N. of Shelby County courthouse at, 450 ft. N. of S. cor. secs. 19 and 20, T. 12 N., R. 4 E., and junction of rd. E., on E. head wall of concrete culvert, 4.3 ft. N. of S. end; chiseled square-----	678. 30
Shelbyville, 3.7 mi. N. of, 0.12 mi. E. of center of SE $\frac{1}{4}$ sec. 30, T. 12 N., R. 4 E., 75 ft. E. of rd., at entrance to Boone School, on top of W. end of lower concrete step; chiseled square-----	684. 72
Shelbyville, 2.9 mi. N. of, about 250 ft. S. of center of NE $\frac{1}{4}$ sec. 31, T. 12 N., R. 4 E., on E. head wall of concrete culvert, 3 ft. N. of S. end; chiseled square-----	680. 52
Shelbyville, 2.3 mi. N. of, 0.25 mi. W. of NE. cor. sec. 6, T. 11 N., R. 4 E., at entrance to Shelby Country Club, 25 ft. S. and 4 ft W. from junction of T-rd. N., 30 ft. W. of private driveway S., 20 ft. W. of fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 79 LS 1924"-----	676. 993
Shelbyville, 1.9 mi. N. of, about 0.25 mi. N. of center of sec. 6, T. 11 N., R. 4 E., 20 ft. S. of junction of T-rd. W., on top of S. end of E. head wall of concrete culvert; chiseled square-----	678. 31
Shelbyville, 1.4 mi. N. of, about 0.25 mi. S. of center of sec. 6, T. 11 N., R. 4 E., on W. side of rd., at entrance to Cusaac School, on top of S. end of lower concrete step; chiseled square-----	667. 43
Shelbyville, at N. city limits, at SW. corner of intersection of Broadway and North Ninth Street, on top of NE. corner of concrete base of electric light pedestal; chiseled square-----	666. 62
Shelbyville, at SW. corner of intersection of Broadway and North First Street, on top of NE. corner of concrete base of electric light pedestal; chiseled square-----	653. 90
Shelbyville, in small park opposite S. front of courthouse, at NE. corner of Soldiers and Sailors monument; top of outside corner of lower granite layer of foundation-----	647. 78

1214 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

9. From point 0.2 mile south and 2.1 miles west from Tower Hill along roads generally east to point 2.9 miles southwest of Shelbyville, thence south 1 mile, thence east 1.5 miles, thence north to Shelbyville (by S. R. Archer in 1930)

[Continued from Pana quadrangle, line 3]

Tower Hill, 0.2 mi. S. thence 2.0 mi. W. from, 0.25 mi. E. of center of sec. 20, T. 11 N., R. 2 E., on S. side of rd, in N.-S. fence line, in root on NW. side of 15-in. oak tree; copper nail and washer-----	<i>Feet</i> 675.41
Tower Hill, 0.2 mi. S. thence 1.4 mi. W. from, 0.13 mi. W. of center of sec. 21, T. 11 N., R. 2 E., on top of E. end of S. head wall of concrete culvert; chiseled square-----	650.90
Tower Hill, 0.2 mi. S. thence 0.7 mi. W. from, near W $\frac{1}{4}$ cor. sec. 22, T. 11 N., R. 2 E., 720 ft. W. of NW. corner of Tower Hill Cemetery, on N. side of rd., 60 ft. E. of fence line N., in field, in root on NE. side of 12-in. elm tree; copper nail and washer-----	650.48
Tower Hill, 0.2 mi. S. thence 0.4 mi. W. from, 0.1 mi. W. of center of sec. 22, T. 11 N., R. 2 E., just E. of Tower Hill Cemetery, 510 ft. W. of junction of T-rd. W., at E. concrete abutment of bridge, on top of bridge end of N. wing wall; chiseled square ⁸⁵ -----	647.53
Tower Hill, in SW. part of, near center of sec. 22, T. 11 N., R. 2 E., 170 ft. S. of junction of N.-S. rd. and alley E., on top of NW. end of W. wing wall of N. abutment of concrete culvert; chiseled square-----	645.74
Tower Hill, 0.8 mi. S. and 0.2 mi. W. from, near quarter corner between secs. 22 and 27, T. 11 N., R. 2 E., 110 ft. E. of crossroads, on S. side of rd., at fence, in root on N. side of 10-in. elm tree; copper nail and washer-----	649.25
Tower Hill, 0.8 mi. S. and 0.2 mi. E. from, 30 ft. N. and 25 ft. W. from crossroads, in concrete post; standard tablet stamped "11 A 1930"---	661.176
Tower Hill, 0.8 mi. S. and 1.2 mi. E. from, 315 ft. W. of SE. cor. sec. 23, T. 11 N., R. 2 E., and crossroads, on N. side of rd., in root on SW. side of 10-in. cherry tree; copper nail and washer-----	639.48
Tower Hill, 0.8 mi. S. and 2.2 mi. E. from, near SW. cor. sec. 19, T. 11 N., R. 3 E., in NE. corner of crossroads, in root on SE. side of 24-in. cottonwood tree; copper nail and washer-----	609.81
Tower Hill, 0.8 mi. S. and 3.3 mi. E. from, 3.5 mi. N. of Lakewood, 2.0 mi. S. and 5.9 mi. W. from Shelbyville, near NE. cor. sec. 30, T. 11 N., R. 3 E., 30 ft. S. and 25 ft. W. from crossroads, 12 ft. S. of intersection of fence lines, in concrete post; standard tablet stamped "12 A 1930"-----	608.787
Shelbyville, 2.0 mi. S. and 4.9 mi. W. from, near SE. cor. sec. 20, T. 11 N., R. 3 E., 25 ft. N. and 55 ft. W. from T-junction of N.-S. rd., 25 ft. N. and 45 ft. E. from E. end of main truss of bridge over Robinson Creek, 15 ft. W. of dim rd. N., in root on NE. side of 24-in. elm tree with triangular blaze; copper nail and washer----	556.08
Shelbyville, 1.7 mi. S. and 4.4 mi. W. from, 0.2 mi. S. of center of sec. 21, T. 11 N., R. 3 E., 250 ft. N. and 70 ft. E. from sixteenth corner, 65 ft. N. and 70 ft. E. from SW. corner of barn lot, in line with and 230 ft. W. of S. end of barn, in root on NE. side of 48-in. elm tree; copper nail and washer-----	565.75

⁸⁵ In 1936 this bench mark was tied to U. S. C. & G. S. B. M. designated "R R Mark No 2," elevation 657.436 ft.

Shelbyville, 1.5 mi. S. and 3.9 mi. W. from, near W $\frac{1}{4}$ cor. sec. 22, T. 11 N., R. 3 E., 75 ft. E. of junction of T-rd. E., at E. concrete abutment of bridge, on top of SE. end of S. wing wall; chiseled square-----	Feet 558.81
Shelbyville, 1.5 mi. S. and 2.9 mi. W. from, near E $\frac{1}{4}$ cor. sec. 22, T. 11 N., R. 3 E., 40 ft. S. and 20 ft. W. from T-junction of N-S. rd., 22 ft. S. of fence corner, in concrete post; standard tablet stamped "13 A 1930"-----	555.869
Shelbyville, 2.9 mi. SW. thence 2.0 mi. W. from, near W. cor. secs. 23 and 26, T. 11 N., R. 3 E., 50 ft. E. of junction of rd. E., on top of S. head wall of concrete culvert; chiseled square-----	544.67
Shelbyville, 2.9 mi. SW. thence 1.0 mi. W. from, near SW. cor. sec. 24, T. 11 N., R. 3 E., in NE. corner of crossroads, on top of N. head wall of concrete culvert; chiseled square-----	590.98
Shelbyville, 2.9 mi. SW. thence 0.2 mi. W. from, 0.25 mi. W. of SE. cor. sec. 24, T. 11 N., R. 3 E., 50 ft. N. of junction of T-rd. N., on E. side of rd., in field, in root on NW. side of 48-in. oak tree; copper nail and washer-----	599.13
Shelbyville, 2.9 mi. SW. of, near NW. cor. sec. 30, T. 11 N., R. 4 E., 20 ft. S. and 30 ft. E. from junction of N-S. rd., inside fence, in root on S. side of 24-in. ash tree; copper nail and washer-----	598.05
Shelbyville, 3.1 mi. SW. of, 0.25 mi. N. of quarter corner between secs. 25 and 30, T. 11 N., Rs. 3 and 4 E., 50 ft. N. of S. end of bridge over Kaskaskia River, at foot of and outside E. truss at S. span of two main spans, at top of E. cylindrical pier, on top of N. bolt head of angle iron of expansion plate; chiseled cross-----	552.42
Shelbyville, about 3 mi. in air line S. of, near W. cor. secs. 29 and 32, T. 11 N., R. 4 E., 140 ft. E. of junction of T-rd. S., on S. side of rd., on S. concrete head wall of culvert, 3.4 ft. W. of E. end; chiseled square-----	586.46
Shelbyville, 0.6 mi. E. thence 3.0 mi. S. from, near S $\frac{1}{4}$ cor. sec. 29, T. 11 N., R. 4 E., 25 ft. N. and 60 ft. W. from crossroads, 40 ft. W. of fence corner, in root on N. side of westernmost of two 6-in. hedge trees 3 ft. apart; copper nail and washer-----	600.02
Shelbyville, 0.6 mi. E. thence 2.2 mi. S. from, 0.35 mi. N. of center of sec. 29, T. 11 N., R. 4 E., 500 ft. N. of junction of T-rd. E., 920 ft. S. of junction of T-rd. W., on W. side of rd., 20 ft. W. of fence line, in field, in root on NE. side of 24-in. elm tree; copper nail and washer-----	600.60
Shelbyville, 0.6 mi. E. thence 1.8 mi. S. from, 0.22 mi. N. of S $\frac{1}{4}$ cor. sec. 20, T. 11 N., R. 4 E., on top of W. end of S. concrete abutment of bridge; chiseled square-----	567.58
Shelbyville, 0.6 mi. E. thence 1.5 mi. S. from, near center of sec. 20, T. 11 N., R. 4 E., 25 ft. N. and 25 ft. E. from junction of T-rd. E., in concrete post; standard tablet stamped "Prim Trav Sta No 80 LS 1924" ³⁶ -----	604.209
Reference mark, 70 ft. S. and 45 ft. W. from rd. junction, 10 ft. W. of fence, in field, in root on SE. side of 30-in. elm tree standing near 24-in. elm tree; copper nail and washer-----	601.26
Shelbyville, 0.6 mi. E. thence 1.0 mi. S. from, 275 ft. N. of S $\frac{1}{4}$ cor. sec. 17, T. 11 N., R. 4 E., on top of N. end of E. head wall of concrete culvert; chiseled square-----	608.81

³⁶ In 1934 this bench mark was moved 8 ft. east of this position and reset at an elevation of 0.185 ft. lower than that originally determined. The figures given represent the new elevation.

1216 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Shelbyville, just N. of Cleveland, Cincinnati, Chicago & St. Louis Ry. sta., on E. side of street, at concrete steps leading down to city power plant, on top of N. end of top step; chiseled square ³⁷ -----	<i>Feet</i> 602. 13
10. From crossroads 3 miles south and 0.6 mile east from Shelbyville generally south along roads to Fancher (by S. R. Archer in 1930)	
Shelbyville, 0.6 mi. E. thence 4.0 mi. S. from, 5.5 mi. in air line N. of Fancher, near S¼ cor. sec. 32, T. 11 N., R. 4 E., 65 ft. N. and 85 ft. E. from junction of E.-W. rd., 18 ft. E. of SE. corner of church, in root on NE. side of 30-in. maple tree; copper nail and washer-----	594. 74
Fancher, 5.0 mi. N. and 0.5 mi. E. from, 100 ft. N. of E¼ cor. sec. 5, T. 10 N., R. 4 E., on W. side of rd., at NE. corner of yard of farmhouse, in root on SE. side of 24-in. maple tree; copper nail and washer---	602. 55
Fancher, 4.5 mi. N. and 0.5 mi. E. from, near SE. cor. sec. 5, T. 10 N., R. 4 E., 25 ft. N. and 30 ft. W. from junction of E.-W. rd., in concrete post; standard tablet stamped "Prim Trav Sta No 81 LS 1924"-----	604. 499
Fancher, 4.5 mi. N. and 0.8 mi. E. from, 0.25 mi. E. of NW. cor. sec. 9, T. 10 N., R. 4 E., 300 ft. S. of junction of T-rd. S., on top of N. end of E. head wall of concrete culvert; chiseled square-----	603. 17
Fancher, 3.5 mi. N. and 0.8 mi. E. from, 0.25 mi. E. of SW. cor. sec. 9, T. 10 N., R. 4 E., 190 ft. E. of junction of E.-W. rd., on N. side of rd., in root on SW. side of 12-in. elm tree; copper nail and washer--	614. 07
Fancher, 2.8 mi. N. and 1.0 mi. E. from, 0.25 mi. S. of center of sec. 16, T. 10 N., R. 4 E., on top of E. parapet of S. abutment of concrete bridge; chiseled square-----	596. 04
Fancher, 2.5 mi. N. and 1.0 mi. E. from, near N¼ cor. sec. 21, T. 10 N., R. 4 E., 25 ft. S. and 30 ft. E. from crossroads, 7 ft. E. of fence corner, in concrete post; standard tablet stamped "14 A 1930"---	620. 076
Reference mark, 85 ft. N. and 30 ft. W. from crossroads, in root on SE. side of 36-in. elm tree; copper nail and washer-----	619. 62
Fancher, 1.5 mi. N. and 1.0 mi. E. from, near S¼ cor. sec. 21, T. 10 N., R. 4 E., 200 ft. E. of junction of T-rd. E., on N. side of rd., in fence line, in root on NW. side of 12-in. oak tree; copper nail and washer -----	616. 56
Fancher, 1.0 mi. N. and 1.0 mi. E. from, near center of sec. 28, T. 10 N., R. 4 E., 200 ft. N. of junction of T-rd. W., on top of S. end of W. head wall of concrete culvert; chiseled square-----	602. 94
Fancher, 1.0 mi. N. and 0.2 mi. E. from, 0.25 mi. E. of center of sec. 29, T. 10 N., R. 4 E., 25 ft. N. and 30 ft. E. from crossroads, in root on SW. side of 8-in. wild-cherry tree; copper nail and washer -----	612. 47
Fancher, in E. part of, 200 ft. W. of junction of T-street W., on N. side of street, at entrance to Free Methodist Church, on E. end of top one of three concrete steps; chiseled square-----	616. 61
11. North and east 0.4 mile in Tower Hill (by L. V. Johnson in 1930; spur line leveled twice)	
Tower Hill, at Baltimore & Ohio R. R. sta., on NE. corner of curb of sta. platform; chiseled square (B. & O. R. R. B. M.)-----	656. 84

³⁷ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "A 88 1935," elevation 599.310 ft.

STEWARDSON QUADRANGLE

[Latitude 39°15'–39°30'; longitude 88°30'–88°45']

MOULTRIE AND SHELBY COUNTIES

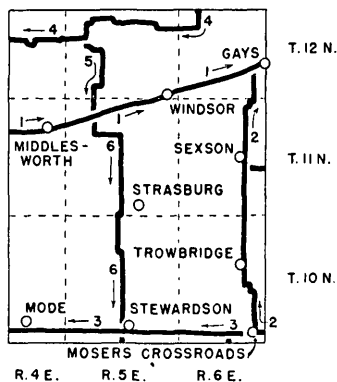


FIGURE 204.—Lines of leveling in Stewardson quadrangle.

1. From point about 2 miles east of Shelbyville northeast along Cleveland, Cincinnati, Chicago & St. Louis Railway to Gays (by P. E. Fletcher in 1907)

[Continued from Shelbyville quadrangle, line 1]

Middlesworth, 1.0 mi. SW. of, at intersection of N. property line of R. R. and E. line of sec. 10, T. 11 N., R. 4 E.; standard iron post with bronze cap (recovered by U. S. C. & G. S. in 1935)-----	<i>Feet</i> 690.340
Middlesworth, about 2.5 mi. NE. of, 3.8 mi. SW. of Windsor, at intersection of N. property line of R. R. and N.-S. quarter line of sec. 5, T. 11 N., R. 5 E.; standard iron post with bronze cap stamped "694" (recovered by U. S. C. & G. S. in 1935) ³⁸ -----	693.450
Windsor, at intersection of N. property line of R. R. and Virginia Avenue; standard iron post with bronze cap stamped "712" ³⁹ -----	710.853

[Continued in Mattoon quadrangle, line 2]

2. From point 0.4 mile east of Mosers Crossroads along roads generally north by way of Trowbridge and Sexson to Gays (by F. D. Kramer in 1924; leveled twice).

[Continued from Mattoon quadrangle, line 3]

Mosers Crossroads, 0.3 mi. E. of, 0.25 mi. W. of S¼ cor. sec. 35, T. 10 N., R. 6 E., on N. side of rd., in root of 30-in. maple tree; copper nail and washer (recovered in 1929)-----	645.85
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³⁸ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "W 87 1935," elevation 692.659 ft.

³⁹ Apparently disturbed. In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "T 87 1935," elevation 709.999 ft.

1218 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Mosers Crossroads, in SE. corner of, 4.1 mi. S. of Trowbridge, near NW. cor. sec. 2, T. 9 N., R. 6 E., in concrete post; standard tablet stamped "Prim Trav Sta No 42 S 1924 K 18" (recovered in 1929)	Feet 643.004
Reference mark, 35 ft. S.88°W. from tablet, in SW. corner of crossroads, at bridge on rd. S., on W. end of N. concrete abutment; chiseled square-----	642.27
Trowbridge, 3.2 mi. S. of, 750 ft. S. of NW. cor. sec. 35, T. 10 N., R. 6 E., on E. side of rd., on top of N. end of concrete bridge wall; chiseled square-----	635.15
Trowbridge, 2.0 mi. S. of, near NE. cor. sec. 27, T. 10 N., R. 6 E., in SW. corner of crossroads, on top of N. end of E. wall of concrete culvert; chiseled square-----	640.51
Trowbridge, 1.0 mi. S. of, near center of sec. 22, T. 10 N., R. 6 E., at junction of T-rd. N., on S. side of E-W. rd., in concrete post; standard tablet stamped "Prim Trav Sta No 43 S 1924 K 19"-----	644.405
Reference mark, 156 ft. S. of tablet, 165 ft. S. of T-rd. N., in front of house, in root of 20-in. white-oak tree; copper nail and washer	640.27
Trowbridge, 0.8 mi. S. of, at N. abutment of steel bridge over Little Wabash River; top of E. wing wall-----	592.98
Little Wabash River, under bridge; surface of water Aug. 19, 1924----	579.0
Trowbridge, in SE. angle of intersection of New York, Chicago & St. Louis R. R., at scales of F. M. Kennedy, on top of concrete base; chiseled square-----	648.21
Trowbridge, in front of sta.; top of N. rail-----	647.8
Trowbridge, 1.1 mi. N. of, near center of sec. 10, T. 10 N., R. 6 E., on E. side of rd., about 100 ft. SW. of residence of D. P. Dougherty, in root of poplar tree; copper nail and washer-----	646.88
Trowbridge, 2.1 mi. N. of, near center of sec. 3, T. 10 N., R. 6 E., in NW. corner of crossroads, opposite center line of rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 44 S 1924 K 20"-----	643.905
Reference mark, 69.6 ft. N.80°W. from tablet, in yard of farmhouse, in root of 28-in. maple tree; copper nail and washer-----	644.08
Trowbridge, 3.1 mi. N. of, about 175 ft. N. of center of sec. 34, T. 11 N., R. 6 E., on W. side of rd., in root of 16-in. elm tree; copper nail and washer-----	640.28
Trowbridge, 3.8 mi. N. of, 0.25 mi. S. of center of sec. 27, T. 11 N., R. 6 E., on W. side of rd., 60 ft. SE. of residence of Isaac Lear, in root of 42-in. elm tree; copper nail and washer-----	643.09
Trowbridge, 4.4 mi. N. of, 1.1 mi. S. of Sexson, near quarter corner between secs. 22 and 27, T. 11 N., R. 6 E., in NE. corner of crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 45 S 1924 K 21"-----	647.874
Reference mark, 163.5 ft. S. 80° E. from tablet, about 175 ft. E. of crossroads, on S. side of rd., in field, in root of 38-in. locust tree; copper nail and washer-----	647.15
Sexson, about 170 ft. S. of crossroads, near quarter corner between secs. 15 and 22, T. 11 N., R. 6 E., on W. side of rd., in front of store of A. R. Storm, on top of concrete base of service sta.; chiseled square-----	648.10
Sexson, 1.0 mi. N. of, 320 ft. S. of N¼ cor. sec. 15, T. 11 N., R. 6 E., on E. side of rd., on top of bank, in root of 12-in. catalpa tree; copper nail and washer-----	659.69

STEWARDSON QUADRANGLE

1219

Sexson, 2.0 mi. N. of, about 75 ft. NE. of S $\frac{1}{4}$ cor. sec. 3, T. 11 N., R. 6 E., on E. side of rd., in root of 20-in. wild-cherry tree; copper nail and washer-----	<i>Feet</i> 693.70
Sexson, 2.5 mi. N. of, 3.4 mi. SW. of Gays, near center of sec. 3, T. 11 N., R. 6 E., in NW. corner of junction of T-rd. W., on top of bank, in concrete post; standard tablet stamped "Prim Trav Sta No 46 S 1924 K 22"-----	722.707
Reference mark, 170 ft. S. 25° E. from tablet, on E. side of rd., in yard of Morris Hilligross, in root of 26-in. maple tree; copper nail and washer-----	720.99
Gays, 2.6 mi. SW. of, near center of NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, T. 11 N., R. 6 E., on S. side of rd., in front of residence of J. Fort, in root of 30-in. black-walnut tree; copper nail and washer-----	719.74
Gays, 1.6 mi. SW. of, 0.25 mi. N. of W $\frac{1}{4}$ cor. sec. 35, T. 12 N., R. 6 E., about 130 ft. N. of residence of C. Bjuström, 63 ft. E. of rd., in root of 20-in. black-oak tree; copper nail and washer-----	763.47
Gays, 0.4 mi. W. of, on top of W. end of N. concrete culvert; chiseled square-----	750.18

(Continued in Mattoon quadrangle, line 4)

3. From Mosers Crossroads west along road to point 0.5 mile south and 1.5 miles east from Fancher (by E. E. Harris in 1929)

Mosers Crossroads, 1.0 mi. W. of, 0.5 mi. S. thence 5.5 mi. E. from Stewardson, near SE. cor. sec. 33, T. 10 N., R. 6 E., on N. side of rd., 300 ft. W. of T-rd. N., at small bridge over Green Creek, in center of top face of NW. concrete wing wall; chiseled square-----	617.42
Stewardson, 0.5 mi. S. thence 4.5 mi. E. from, near SE. cor. sec. 32, T. 10 N., R. 6 E., 23 ft. N. and 41 ft. W. from crossroads, in root on N. side of small oak tree; copper nail and washer-----	639.89
Stewardson, 0.5 mi. S. thence 3.5 mi. E. from, near SW. cor. sec. 32, T. 10 N., R. 6 E., in NE. angle of junction of T-rd. N., 10 ft. N. and 10 ft. E. from fence line, in root on N. side of 18-in. white-oak tree; copper nail and washer-----	630.21
Stewardson, 0.5 mi. S. thence 2.5 mi. E. from, near NE. cor. sec. 1, T. 9 N., R. 5 E., 25 ft. S. and 90 ft. W. from junction of T-rd. N., in concrete post; standard tablet stamped "Prim Trav Sta No 85 LS 1924"-----	636.214
Stewardson, 0.5 mi. S. thence 1.5 mi. E. from, near SE. cor. sec. 35, T. 10 N., R. 5 E., in NW. corner of crossroads, in center of concrete culvert; chiseled square-----	651.34
Stewardson, 0.5 mi. S. thence 0.5 mi. E. from, near NW. cor. sec. 2, T. 9 N., R. 5 E., 170 ft. E. of crossroads, on S. side of rd., at small bridge over ditch, on top near W. end of SW. wing wall; chiseled square-----	633.42
Stewardson, near S. limits of, near S $\frac{1}{4}$ cor. sec. 34, T. 10 N., R. 5 E., on N. side of rd., just E. of R. R., 100 ft. W. of T-rd. N., in root on S. side of 24-in. maple tree; copper nail and washer-----	635.90
Stewardson, 0.5 mi. S. thence 0.5 mi. W. from, near SE. cor. sec. 33, T. 10 N., R. 5 E., 33 ft. N. and 33 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 84 LS 1924" ⁴⁰ -----	650.850

⁴⁰ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "T 83 1935," elevation 645.186 ft.

Stewardson, 0.5 mi. S. thence 2.5 mi. W. from, near NE. cor. sec. 6, T. 9 N., R. 5 E., at offset crossroads, in SW. corner of junction of T-rd. S., in center of top face of concrete culvert; chiseled square----	Feet 635.07
Stewardson, 0.5 mi. S. thence 3.5 mi. W. from, near NE. cor. sec. 1, T. 9 N., R. 4 E., 275 ft. W. of crossroads, on S. side of rd., in root on NW. side of 40-in. elm tree; copper nail and washer-----	624.96
Stewardson, 0.5 mi. S. thence 4.5 mi. W. from, 0.5 mi. S. thence 1.0 mi. E. from Mode, near SE. cor. sec. 35, T. 10 N., R. 4 E., 25 ft. N. and 35 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 83 LS 1924"-----	603.731
Mode, 0.5 mi. S. of, near NW. cor. sec. 2, T. 9 N., R. 4 E., 65 ft. E. of crossroads, on S. side of rd., in root on N. side of 24-in. black-oak tree; copper nail and washer-----	605.92
Mode, 0.5 mi. S. thence 0.8 mi. W. from, 0.5 mi. S. thence 1.7 mi. E. from Fancher, 0.25 mi. W. of S $\frac{1}{4}$ cor. sec. 34, T. 10 N., R. 4 E., in NW. corner of junction of T-rd. N., on top of concrete gatepost, 3 ft. above ground; chiseled square-----	618.89
[Continued in Shelbyville quadrangle, line 4]	
4. From point near quarter corner between secs. 7 and 8, T. 12 N., R. 6 E., along roads south about one mile, thence generally west to point 3 miles south and 0.2 mile east from Findlay (by S. R. Archer in 1930)	
[Continued from Sullivan quadrangle, line 4]	
T. 12 N., R. 6 E., about 110 ft. S. of N. cor. secs. 17 and 18, on top of N. end of E. head wall of concrete culvert; chiseled square-----	660.61
T. 12 N., R. 6 E., near W $\frac{1}{4}$ cor. sec. 17, in SE. corner of crossroads, on top of S. concrete head wall of drain under rd. E.; chiseled square--	678.62
T. 12 N., R. 6 E., near center of sec. 18, 35 ft. W. of junction of T-rd. N., on S. side of rd., on field side of fence, in root on NW. side of 12-in. walnut tree; copper nail and washer-----	676.70
T. 12 N., R. 5 E., near E $\frac{1}{4}$ cor. sec. 13, 15 ft. S. of center line of rd., 10 ft. W. of center line of T-rd. N., 7 ft. N. and 12 ft. W. from fence corner, in root on N. side of 12-in. walnut tree; copper nail and washer-----	673.71
T. 12 N., R. 5 E., near center of sec. 13, 30 ft. S. and 35 ft. W. from crossroads, in NE. corner of schoolyard, in root on N. side of 24-in. maple tree; copper nail and washer-----	671.88
T. 12 N., R. 5 E., 0.25 mi. E. of center of sec. 14, on W. side of rd., opposite T-rd. E., at drain under driveway W. into field, on top of N. concrete head wall; chiseled square ⁴¹ -----	668.09
T. 12 N., R. 5 E., 0.15 mi. N. of center of NE $\frac{1}{4}$ sec. 14, about 800 ft. N. of junction of T-rd. W., in top of S. end of W. head wall of concrete culvert under State highway; standard tablet stamped "10 A 1930"--	663.141
Reference mark, 50 ft. S. of T-rd. W., on W. side of rd., on top of N. concrete head wall of culvert; chiseled square-----	665.05
T. 12 N., R. 5 E., near center of NE $\frac{1}{4}$ sec. 15, 85 ft. N. of crossroads, on E. side of rd., 13 ft. E. of fence, in garden, in root on S. side of 36-in. elm tree; copper nail and washer-----	666.51
T. 12 N., R. 5 E., 0.25 mi. N. and 0.13 mi. E. from center of sec. 16, 700 ft. E. of junction of T-rd. E., on S. side of rd., at entrance to schoolhouse, on top of E. end of lower concrete step; chiseled square--	662.31

⁴¹ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "D 82 1935," elevation 666.321 ft.

T. 12 N., R. 5 E., near quarter corner between secs. 9 and 16, 65 ft. S. and 30 ft. E. from junction of T-rd. W., inside field, in root on W. side of 6-in. hickory tree; copper nail and washer-----	<i>Feet</i> 638. 91
T. 12 N., R. 5 E., near quarter corner between secs. 8 and 17, 20 ft. S. and 15 ft. W. from junction of T-rd. S., 2.5 ft. N. and 3 ft. W. from intersection of fence lines, in concrete post; standard tablet stamped "Prim Trav Sta No 76 LS 1924"-----	651. 015
T. 12 N., R. 5 E., 0.25 mi. S. of N. cor. secs. 17 and 18, in SW. corner of junction of private rd. W., at NE. corner of store building, on top of NW. corner of concrete porch floor; chiseled square-----	655. 52
T. 12 N., R. 5 E., 0.15 mi. N. of S. cor. secs. 17 and 18, about 800 ft. N. of junction of T-rd. W., at top of hill, 65 ft. W. of center line of rd., 40 ft. S. and 23 ft. E. from SE. corner of church, in root on NW. side of 10-in. hickory tree; copper nail and washer-----	654. 18
T. 12 N., R. 4 E., near NE. cor. sec. 24, on S. side of rd., 110 ft. W. of T-rd. S., inside field, in root on S. side of 24-in. sycamore tree; copper nail and washer-----	653. 31
T. 12 N., R. 4 E., 0.25 mi. W. of quarter corner between secs. 13 and 24, on S. bank of Kaskaskia River, 160 ft. E. of S. end of bridge, on N. side of rd., 15 ft. W. of junction of rd. S., in root on SE. side of 15-in. oak tree with triangular blaze; copper nail-----	567. 67
T. 12 N., R. 4 E., 0.15 mi. SE. of NW. cor. sec. 24, 440 ft. W. of N. end of highway bridge over Kaskaskia River, at concrete bridge over Eagle Creek, on top of S. parapet of E. abutment; chiseled square-----	567. 26
T. 12 N., R. 4 E., 0.17 mi. W. of center of NW¼ sec. 23, 500 ft. E. of right-angle turn N. in rd., on S. side of rd., 80 ft. E. of T-rd. S., in root on NW. side of 24-in. oak tree; copper nail and washer----	677. 36
T. 12 N., R. 4 E., near SE. cor. sec. 15, 3.0 mi. S. thence 1.0 mi. E. from Findlay, 10 ft. N. and 25 ft. W. from angle in rd., in concrete post; standard tablet stamped "Prim Trav Sta No 77 LS 1924"-----	678. 127
Reference mark, 250 ft. W. of tablet, 225 ft. W. of right angle in rd., on S. side of rd., in fence line, in root on N. side of 20-in. Osage-orange tree; copper nail and washer-----	678. 98
Findlay, 3.0 mi. S. thence 0.5 mi. E. from, near S¼ cor. sec. 15, T. 12 N., R. 4 E., 80 ft. W. of crossroads, on N. side of rd., inside fence, in root on W. side of 24-in. walnut tree; copper nail and washer---	687. 33
[Continued in Shelbyville quadrangle, line 6]	
5. From point near south corner secs. 17 and 18, T. 12 N., R. 5 E., generally south along roads to point on Cleveland, Cincinnati, Chicago & St. Louis Railway 3.8 miles southwest of Windsor (by S. R. Archer in 1930)	
T. 12 N., R. 5 E., 0.1 mi. S. of N. cor. secs. 19 and 20, 520 ft. S. of junction of T-rd. W., at bridge over Sand Creek, on top of bridge end of W. wing wall of N. abutment; chiseled square-----	591. 69
T. 12 N., R. 5 E., near E¼ cor. sec. 20, in NW. corner of crossroads, on top of N. concrete head wall of drain under rd. W.; chiseled square-----	664. 43
T. 12 N., R. 5 E., near SE. cor. sec. 20, 30 ft. N. and 25 ft. W. from crossroads, 38 ft. S. and 25 ft. E. from SE. corner of Eureka School, in concrete post; standard tablet stamped "3 A 1930"-----	675. 787
Reference mark, at E. end of porch of schoolhouse, on top of N. end of lower concrete step; chiseled square-----	677. 54

1222 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

T. 12 N., R. 5 E., 0.25 mi. N. of SW. cor. sec. 28, 20 ft. S. and 28 ft. E from junction of T-rd. E., 10 ft. E. of fence corner, in root on S. side of 10-in. hickory tree; copper nail and washer-----	<i>Feet</i> 656.52
T. 12 N., R. 5 E., near E¼ cor. sec. 32, 25 ft. W. of T-junction of E.-W. rd., on S. side of rd., inside fence, in root on N. side of 15-in. maple tree; copper nail and washer-----	687.71
T. 12 N., R. 5 E., near center of sec. 32, 125 ft. E. of right angle in rd., on S. side of rd., inside fence, in root on SE. side of 24-in. ash tree; copper nail and washer-----	686.97
T. 11 N., R. 5 E., 0.2 mi. S. of N¼ cor. sec. 5, 3.8 mi. SW. thence 0.6 mi. N. from Windsor, 0.2 mi. S. of crossroads, at S. abutment of concrete bridge, on top of E. wing wall; chiseled square-----	679.81
Windsor, 3.8 mi. SW. of, 400 ft. E. of rd. crossing, 6 ft. N. of N. rail, on top of NW. corner of concrete foundation of track relay signal box; chiseled square ⁴² -----	695.33
6. From point on Cleveland, Cincinnati, Chicago & St. Louis Railway 3.8 miles southwest of Windsor generally south along roads to crossroads 0.5 mile south and 0.5 mile west from Stewardson (by L. V. Johnson in 1930)	
Windsor, 3.8 mi. SW. thence 0.7 mi. S. from, near center of sec. 8, T. 11 N., R. 5 E., 11 ft. N. and 10 ft. W. from junction of T-rd. E., on W. end of concrete culvert; chiseled square-----	675.88
T. 11 N., R. 5 E., near N¼ cor. sec. 17, at intersection of State Highway 16, 22 ft. S. and 10 ft. E. from crossroads, on E. concrete head wall of culvert; chiseled square-----	680.54
T. 11 N., R. 5 E., near cor. secs. 8, 9, 16, and 17, 350 ft. E. of schoolhouse, 15 ft. S. of center line of highway, on W. end of S. concrete head wall of culvert; chiseled square-----	678.72
T. 11 N., R. 5 E., near NW. cor. sec. 15, 15 ft. S. and 15 ft. E. from crossroads, on W. end of S. concrete head wall of culvert; chiseled square-----	707.00
T. 11 N., R. 5 E., near SW. cor. sec. 15, 2.5 mi. N. and 1.0 mi. W. from Strasburg, 25 ft. N. and 20 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 88 LS 1924"-----	701.092
Reference mark, in NW. corner of crossroads, on W. end of 12-in. iron culvert; chiseled square-----	699.68
Strasburg, 2.0 mi. N. and 1.0 mi. W. from, near E¼ cor. sec. 21, T. 11 N., R. 5 E., 30 ft. S. and 25 ft. W. from crossroads, in NE. corner of farmyard, in root on NE. side of 24-in. maple tree; copper nail and washer-----	690.47
Strasburg, 0.5 mi. N. and 1.0 mi. W. from, near SE. cor. sec. 28, T. 11 N., R. 5 E., 15 ft. N. and 17 ft. W. from crossroads, on NE. end of N. concrete head wall of culvert; chiseled square-----	626.72
Strasburg, 0.5 mi. S. and 1.0 mi. W. from, near N. cor. secs. 3 and 4, T. 10 N., R. 5 E., 30 ft. S. of T-junction of E.-W. rd., in concrete post; standard tablet stamped "Prim Trav Sta No 87 LS 1924"-----	633.926
Reference mark, 10 ft. NE. of tablet, on concrete head wall of culvert; chiseled square-----	633.75

⁴² Established as a reference mark to principal bench mark stamped "694," described in line 1.

Strasburg, 1.5 mi. S. and 1.2 mi. W. from, 0.25 mi. W. of NE. cor. sec. 9, T. 10 N., R. 5 E., 20 ft. S. and 10 ft W. from crossroads, on top near center of W. concrete head wall of culvert; chiseled square ⁴³ -----	<i>Feet</i> 640.50
Strasburg, 3.5 mi. S. and 1.0 mi. W. from, 2.5 mi. N. and 0.5 mi. W. from Stewardson, near SW. cor. sec. 15, T. 10 N., R. 5 E., 40 ft. N. and 30 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 86 LS 1924"-----	632.632
Stewardson, 0.5 mi. N. and 0.5 mi. W. from, near SW. cor. sec. 27, T. 10 N., R. 5 E., 160 ft. N. and 20 ft. E. from crossroads, in root on W. side of 30-in. maple tree; copper nail and washer-----	648.19

⁴³ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "W 83 1935," elevation 635.202 ft.

STRAWN QUADRANGLE

[Latitude 40°30'–40°45'; longitude 88°15'–88°30']

FORD, LIVINGSTON, AND McLEAN COUNTIES

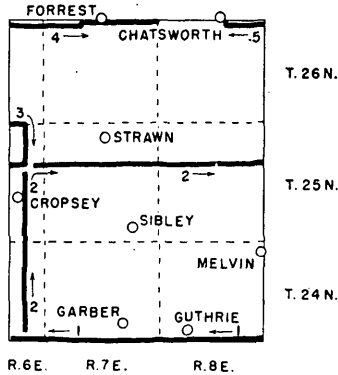


FIGURE 205.—Lines of leveling in Strawn quadrangle.

1. From point 4.5 miles south of Melvin west along road to point 1 mile south and 6 miles west from Garber (by S. R. Archer in 1924)

[Continued from Buckley quadrangle, line 1]

Melvin, 4.5 mi. S. of, 0.5 mi. S. and 3.5 mi. E. from Guthrie, near NE. cor. sec. 35, T. 24 N., R. 8 E., 20 ft. S. and 30 ft. W. from junction of T-rd. S., 2 ft. W. of fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 12 Mac 1923 A 46" (recovered in 1934)	Feet 745. 121
Reference mark, 740 ft. W. of tablet, 20 ft. W. of W. line of dwelling, on S. side of rd., on rd. side of yard fence, in root on NW. side of 24-in. wild-cherry tree; copper nail and washer (recovered in 1934)	749. 04
Guthrie, 0.5 mi. S. and 2.5 mi. E. from, at Howell School, near SW. cor. sec. 26, T. 24 N., R. 8 E., 35 ft. N. and 65 ft. E. from crossroads, 10 ft. N. and 40 ft. E. from SW. corner of schoolyard, in root on SW. side of 15-in. boxelder tree; copper nail and washer	748. 62
Guthrie, 0.5 mi. S. and 1.5 mi. E. from, near NW. cor. sec. 34, T. 24 N., R. 8 E., in SE. angle of crossroads, at E. end of corrugated drain pipe under rd. S., on concrete head wall; chiseled square	758. 33
Guthrie, 0.5 mi. S. and 0.5 mi. E. from, near SW. cor. sec. 28, T. 24 N., R. 8 E., 25 ft. N. and 35 ft. E. from crossroads, 10 ft. E. of fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 18 Mac 1923 A 50"	775. 726
Reference mark, in SE. angle of crossroads, at E. end of concrete culvert under rd. S., on head wall; chiseled square	776. 78

Guthrie, 0.5 mi. S. and 0.5 mi. W. from, near NW. cor. sec. 32, T. 24 N., R. 8 E., in SE. angle of crossroads, in root 6 in. underground on N. side of 10-in. Osage-orange tree used as corner fence post; copper nail and washer-----	<i>Feet</i> 808.05
Guthrie, 0.5 mi. S. and 1.7 mi. W. from, 1.0 mi. S. and 1.8 mi. E. from Garber, 0.21 mi. W. of NE. cor. sec. 36, T. 24 N., R. 7 E., on S. side of rd., in field, in root on N. side of tree, easternmost of two maple trees standing 15 ft. apart; copper nail and washer---	796.08
Garber, 1.0 mi. S. and 1.0 mi. E. from, at Pleasant View School, near NW. cor. sec. 36, T. 24 N., R. 7 E., 30 ft. S. and 25 ft. E. from crossroads, 25 ft. N. and 40 ft. W. from NW. corner of schoolhouse, in concrete post; standard tablet stamped "Prim Trav Sta No 19 Mac 1923 A 51"-----	786.888
Reference mark, 56 ft. S. and 12 ft. E. from tablet, in root on NE. side of 15-in. poplar tree; copper nail and washer-----	786.57
Garber, 1.0 mi. S. of, 2.5 mi. N. of Gibson City, 0.22 mi. W. of S $\frac{1}{4}$ cor. sec. 26, T. 24 N., R. 7 E., 160 ft. N. and 60 ft. E. from crossing of Wabash Ry., at right-of-way line on SE. side of tracks, in root on SE. side of 24-in. poplar tree; copper nail and washer-----	778.82
Garber, 1.0 mi. S. and 0.6 mi. W. from, near S $\frac{1}{4}$ cor. sec. 27, T. 24 N., R. 7 E., at NW. corner of bridge over Drummer Creek, on concrete parapet; chiseled square-----	767.98
Garber, 1.0 mi. S. and 1.0 mi. W. from, near NE. cor. sec. 33, T. 24 N., R. 7 E., in SW. angle of crossroads, at fence corner, in root on N. side of 24-in. maple tree; copper nail and washer-----	798.20
Garber, 1.0 mi. S. and 2.0 mi. W. from, at North Union School, near SE. cor. sec. 29, T. 24 N., R. 7 E., 30 ft. N. and 25 ft. W. from crossroads, at SE. corner of schoolyard, inside fence, in concrete post; standard tablet stamped "Prim Trav Sta No. 20 Mac 1923 A 52"-----	825.875
Reference mark, 10 ft. NW. of tablet, in root on S. side of 30-in. maple tree; copper nail and washer-----	825.77
Garber, 1.0 mi. S. and 3.0 mi. W. from, at cor. secs. 29, 30, 31, and 32, T. 24 N., R. 7 E., at crossroads, on stone marking section corner; chiseled square-----	819.32
Garber, 1.0 mi. S. and 4.0 mi. W. from, near NW. cor. sec. 31, T. 24 N., R. 7 E., at Ford-McLean county line, in SE. angle of crossroads, on top of NE. head wall of concrete culvert under rd. S.; chiseled square-----	829.95
Garber, 1.0 mi. S. and 5.0 mi. W. from, 2.5 mi. N. and 5.5 mi. W. from Gibson City, 7.5 mi. S. of Cropsey, near SE. cor. sec. 26, T. 24 N., R. 6 E., 28 ft. N. and 30 ft. W. from crossroads, 3 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 21 Mac 1923 A 53" (recovered in 1934)-----	839.440
Reference mark, 0.2 mi. W. of tablet, on top near center of S. concrete head wall of cast-iron drain pipe under rd.; chiseled square (recovered in 1934)-----	837.04
Garber, 1.0 mi. S. and 6.0 mi. W. from, 2.5 mi. N. and 6.5 mi. W. from Gibson City, near NW. cor. sec. 35, T. 24 N., R. 6 E., 500 ft. E. of crossroads, on S. side of rd., at fence line, in root on N. side of 24-in. Osage-orange tree; copper nail and washer (recovered in 1930)-----	848.22

[Continued in Gibson City quadrangle, line 1]

*In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "E 22 1934," elevation 808.299 ft.

2. From crossroads 1 mile south and 5 miles west from Garber north along road to crossroads 1.7 miles north of Cropsey, thence east to point 4.5 miles north of Melvin (by Harry McDermith in 1934)

Garber, 5.0 mi. W. of, 6.3 mi. S. of Cropsey, at Anchor Church, near NE. cor. sec. 26, T. 24 N., R. 6 E., 114 ft. S. and 56 ft. W. from crossroads, on NE. corner of concrete steps to church; chiseled square -----	Feet 816.38
Cropsey, 5.6 mi. S. of, 0.22 mi. S. of NW. cor. sec. 24, T. 24 N., R. 6 E., 48 ft. S. of E-W. fence along N. side of barnyard, 28 ft. E. of rd., 2 ft. W. of fence; standard iron post with bronze cap stamped "13 1 1934"-----	810.246
Cropsey, 5.4 mi. S. of, near NE. cor. sec. 23, T. 24 N., R. 6 E., 123 ft. S. and 28 ft. W. from crossroads, 93 ft. S. and 2 ft. E. from fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "13 2 1934"-----	787.165
Cropsey, 4.3 mi. S. of, near SW. cor. sec. 12, T. 24 N., R. 6 E., 14 ft. N. and 19 ft. E. from crossroads, on top of center of N. head wall of concrete culvert; chiseled square-----	775.96
Cropsey, 3.8 mi. S. of, near E $\frac{1}{4}$ cor. sec. 11, T. 24 N., R. 6 E., 28 ft. W. of rd.; standard iron post with bronze cap stamped "13 3 1934"-----	770.495
Cropsey, 3.3 mi. S. of, near NW. cor. sec. 12, T. 24 N., R. 6 E., 504 ft. S. and 28 ft. E. from crossroads, 2 ft. W. of fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "13 4 1934"-----	767.378
Cropsey, 2.2 mi. S. of, near NE. cor. sec. 2, T. 24 N., R. 6 E., 29 ft. S. and 28 ft. W. from crossroads, on center of N. head wall of concrete culvert; chiseled square-----	788.13
Cropsey, 1.6 mi. S. of, 0.12 mi. N. of W $\frac{1}{4}$ cor. sec. 36, T. 25 N., R. 6 E., 28 ft. E. of rd.; standard iron post with bronze cap stamped "13 5 1934"-----	790.033
Cropsey, 1.3 mi. S. of, near NE. cor. sec. 35, T. 25 N., R. 6 E., 120 ft. S. and 28 ft. W. from crossroads; standard iron post with bronze cap stamped "13 6 1934"-----	782.998
Cropsey, 0.2 mi. N. of, near W $\frac{1}{4}$ cor. sec. 24, T. 25 N., R. 6 E., 110 ft. S. and 29 ft. E. from crossroads; standard iron post with bronze cap stamped "13 7 1934"-----	798.137
Cropsey, 0.4 mi. N. of, 0.21 mi. N. of E $\frac{1}{4}$ cor. sec. 23, T. 25 N., R. 6 E., on W. side of rd.; standard iron post with bronze cap stamped "13 8 1934"-----	796.850
Cropsey, 0.7 mi. N. of, near NW. cor. sec. 24, T. 25 N., R. 6 E., 48 ft. S. and 44 ft. E. from crossroads, in NW. corner of yard of farmhouse, in root on NW. side of 12-in. walnut tree; spike-----	789.90
Cropsey, 1.4 mi. N. of, 0.25 mi. S. of NW. cor. sec. 13, T. 25 N., R. 6 E., 37 ft. S. and 29 ft. E. from sixteenth corner, 37 ft. S. and 1 ft. W. from corner of hedge fence; standard iron post with bronze cap stamped "13 9 1934"-----	758.582
Cropsey, 1.7 mi. N. of, near NW. cor. sec. 13, T. 25 N., R. 6 E., 28 ft. S. and 113 ft. E. from crossroads; standard iron post with bronze cap stamped "13 10 1934"-----	754.066
Cropsey, 1.7 mi. N. and 1.0 mi. E. from, 1.2 mi. S. and 3.2 mi. W. from Strawn, near SW. cor. sec. 7, T. 25 N., R. 7 E., 28 ft. N. and 122 ft. E. from crossroads, in root on SE. side of 28-in. twin maple tree; spike-----	762.24

Strawn, 1.2 mi. S. and 2.2 mi. W. from, near NW. cor. sec. 17, T. 25 N., R. 7 E., 26 ft. S. and 125 ft. E. from crossroads, 1 ft. N. of E-W. fence; standard iron post with bronze cap stamped "13 11 1934"-----	Feet 761. 138
Strawn, 1.2 mi. S. and 2.0 mi. W. from, 0.25 mi. E. of NW. cor. sec. 17, T. 25 N., R. 7 E., 25 ft. S. and 2 ft. E. from sixteenth corner, 2 ft. N. of fence; standard iron post with bronze cap stamped "13 12 1934"-----	764. 430
Strawn, 1.2 mi. S. and 1.6 mi. W. from, 0.17 mi. E. of N $\frac{1}{4}$ cor. sec. 17, T. 25 N., R. 7 E., 415 ft. W. of sixteenth corner, 27 ft. S. of rd., in top of concrete retaining wall, 8 ft. from E. end; steel rivet-----	755. 31
Strawn, 1.2 mi. S. and 0.2 mi. W. from, near SW. cor. sec. 10, T. 25 N., R. 7 E., 11 ft. N. and 8 ft. E. from junction of T-rd. N., in NE. wing wall of bridge; monel-metal rivet-----	762. 55
Strawn, 1.3 mi. SE. of along State Highway 47, 0.25 mi. W. of NE. cor. sec. 15, T. 25 N., R. 7 E., 27 ft. S. and 18 ft. E. from crossroads, in center of S. head wall of concrete culvert; monel-metal rivet ⁴⁶ -----	787. 703
Strawn, 1.2 mi. S. and 0.8 mi. E. from, near NE. cor. sec. 15, T. 25 N., R. 7 E., 18 ft. S. and 120 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "13 13 1934" ⁴⁶ -----	790. 504
Strawn, 1.2 mi. S. and 1.0 mi. E. from, 0.25 mi. E. of SW. cor. sec. 11, T. 25 N., R. 7 E., 18 ft. N. of rd.; standard iron post with bronze cap stamped "13 14 1934" ⁴⁶ -----	800. 089
Strawn, 1.2 mi. S. and 2.0 mi. E. from, 0.25 mi. E. of NW. cor. sec. 13, T. 25 N., R. 7 E., 137 ft. W. of sixteenth corner, in S. head wall of concrete culvert; monel-metal rivet-----	787. 89
Strawn, 1.2 mi. S. and 2.8 mi. E. from, near NW. cor. sec. 18, T. 25 N., R. 8 E., in SE. angle of offset crossroads, 7 ft. S. and 26 ft. E. from junction of rd. W., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "13 15 1934"-----	813. 840
Strawn, 1.2 mi. S. and 3.0 mi. E. from, 0.25 mi. E. of NW. cor. sec. 18, T. 25 N., R. 8 E., 24 ft. S. of rd.; U. S. C. & G. S. and State Survey standard disk stamped "13 16 1934"-----	809. 688
Strawn, 1.2 mi. S. and 4.0 mi. E. from, 0.25 mi. E. of NW. cor. sec. 17, T. 25 N., R. 8 E., 26 ft. S. and 25 ft. E. from sixteenth corner, on N. side of yard of farmhouse, in root on NE. side of 14-in. ash tree; spike-----	799. 23
Strawn, 1.2 mi. S. and 4.5 mi. E. from, 0.28 mi. W. of SE. cor. sec. 8, T. 25 N., R. 8 E., 22 ft. N. and 160 ft. W. from sixteenth corner; standard iron post with bronze cap stamped "13 17 1934"-----	790. 780
Strawn, 1.2 mi. S. and 4.7 mi. E. from, near SE. cor. sec. 8, T. 25 N., R. 8 E., 22 ft. N. and 115 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "13 18 1934"-----	778. 767
Strawn, 1.2 mi. S. and 5.7 mi. E. from, 4.5 mi. N. and 2.0 mi. W. from Melvin, at Free Hill School, near NW. corner sec. 15, T. 25 N., R. 8 E., 268 ft. S. and 22 ft. E. from crossroads, in N. head/ wall of concrete culvert under driveway to schoolyard; steel rivet-----	770. 82
Melvin, 4.5 mi. N. and 1.2 mi. W. from, 0.25 mi. W. of SE. cor. sec. 10, 24 ft. N. and 8 ft. E. from sixteenth corner; standard iron post with bronze cap stamped "13 19 1934"-----	793. 682

⁴⁶ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "Z 21 1934," elevation 782.197 ft.

1228 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Melvin, 4.5 mi. N. and 1.0 mi. W. from, near NE. cor. sec. 15, T. 25 N., R. 8 E., 26 ft. S. and 115 ft. W. from crossroads; standard iron post with bronze cap stamped "13 20 1934"-----	<i>Feet</i> 794.524
Melvin, 4.5 mi. N. of, 1.2 mi. N. and 3.7 mi. W. from Roberts, near SE. cor. sec. 11, T. 25 N., R. 8 E., 9 ft. N. and 54 ft. W. from crossroads, in N. head wall of concrete culvert; monel-metal rivet-----	801.09
[Connects with line 3 in Buckley quadrangle]	

3. From point 5 miles south and 0.2 mile east from Fairbury east along township-line road about 1 mile, thence south 2.8 miles to crossroads 1.7 miles north of Cropsey, thence west 1.1 miles (by E. A. Mayer in 1934) ⁴⁷

[Continued from Chenoa quadrangle, line 3]

Fairbury, 5.0 mi. S. thence 0.4 mi. E. from, 5.0 mi. W. of Risk, 0.2 mi. W. of S $\frac{1}{4}$ cor. sec. 35, T. 26 N., R. 6 E., at junction of T-rd. S., 27 ft. N. of N. cor. secs. 2 and 3, T. 25 N., R. 6 E., in concrete post; standard tablet stamped "Prim Trav Sta No 79 Mac 1923"-----	736.330
Risk, 4.5 mi. W. of, near SW. cor. sec. 36, T. 26 N., R. 6 E., 68 ft. E. of junction of T-rd. N., on N. head wall of concrete culvert; chiseled square-----	734.01
Risk, 4.2 mi. W. of, 0.2 mi. W. of S $\frac{1}{4}$ cor. sec. 36, T. 26 N., R. 6 E., 20 ft. W. of junction of T-rd. S., on N. head wall of concrete culvert; chiseled square-----	738.93
Risk, 4.2 mi. W. thence 0.6 mi. S. from, 3.7 mi. N. of Cropsey, 0.6 mi. S. of NW. cor. oversize sec. 1, T. 25 N., R. 6 E., on E. side of rd., on S. head wall of small concrete culvert under driveway; chiseled square-----	735.58
Cropsey, 3.4 mi. N. of, 0.7 mi. N. of SW. cor. oversize sec. 1, T. 25 N., R. 6 E., 29 ft. E. of junction of T-rd. W., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "12 3 1934"-----	736.878
Cropsey, 2.9 mi. N. of, 0.22 mi. N. of SE. cor. oversize sec. 2, T. 25 N., R. 6 E., on W. side of rd., near schoolhouse, on head wall of concrete culvert under driveway; chiseled square-----	734.02
Cropsey, 2.7 mi. N. of, near NE. cor. sec. 11, T. 25 N., R. 6 E., 80 ft. S. and 25 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "12 4 1934"-----	737.642
Cropsey, 2.5 mi. N. of, 0.25 mi. S. of NW. cor. sec. 12, T. 25 N., R. 6 E., on E. side of rd., on S. head wall of concrete culvert under driveway to farmhouse; chiseled square-----	743.86
Cropsey, 1.9 mi. N. of, 0.22 mi. N. of SW. cor. sec. 12, T. 25 N., R. 6 E., on E. side of rd., on head wall of concrete culvert; chiseled square-----	749.46
Cropsey, 1.7 mi. N. of, near NW. cor. sec. 13, T. 25 N., R. 6 E., 28 ft. S. and 113 ft. E. from crossroads; standard iron post with bronze cap stamped "13 10 1934"-----	754.066
Cropsey, 1.7 mi. N. thence 1.0 mi. W. from, near NE. cor. sec. 15, T. 25 N., R. 6 E., 14 ft. S. and 23 ft. W. from crossroads, on head wall of concrete culvert; chiseled square-----	756.62

[Continued in Chenoa quadrangle, line 5]

⁴⁷ Elevations of all bench marks in this line except the last two are subject to correction for a local error of approximately 3 ft.

4. From Fairbury east along U. S. Highway 24 to point 3.1 miles west of Chatsworth (by Harry McDermith in 1934)

[Connects with line 3 in Chenoa quadrangle]

Fairbury, 1.4 mi. E. of, 28 ft. N. and 108 ft. W. from S. cor. secs. 1 and 2, T. 26 N., R. 6 E., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "T T 7 15 1934"-----	<i>Feet</i> 683. 704
Fairbury, 1.7 mi. E. of, 0.2 mi. W. of N $\frac{1}{4}$ cor. sec. 12, T. 26 N., R. 6 E., 704 ft. W. of center of highway bridge, 28 ft. S. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 15 1934"-----	678. 951
Fairbury, 2.4 mi. E. of, near NE. cor. sec. 12, T. 26 N., R. 6 E., 15 ft. S. and 235 ft. W. from crossroads, in S. head wall of concrete culvert; monel-metal rivet-----	682. 29
Fairbury, 2.9 mi. E. of, 429 ft. W. of N $\frac{1}{4}$ cor. sec. 7, T. 26 N., R. 7 E., 30 ft. N. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 16 1934"-----	685. 085
Fairbury, 3.4 mi. E. of, 0.3 mi. S. and 2.0 mi. W. from Forrest, near NE. cor. sec. 7, T. 26 N., R. 7 E., 68 ft. S. and 205 ft. W. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 16 1934"-----	683. 390
Forrest, 1.0 mi. W. of, 0.25 mi. N. of SW. cor. sec. 4, T. 26 N., R. 7 E., 15 ft. N. and 20 ft. E. from crossroads, in center of N. head wall of concrete culvert; monel-metal rivet-----	680. 49
Forrest, 0.25 mi. N. of S. cor. secs. 3 and 4, T. 26 N., R. 7 E., 25 ft. N. and 37 ft. W. from intersection of U. S. Highway 24 and State Highway 47, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 17 1934" (recovered by U. S. C. & G. S. in 1935)-----	684. 825
Forrest, 0.9 mi. E. of, 0.25 mi. N. of SE. cor. sec. 3, T. 26 N., R. 7 E., 40 ft. N. and 775 ft. W. from junction of T-rd. S., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 17 1934"-----	706. 035
Forrest, 1.5 mi. E. of, 0.2 mi. S. of center of sec. 2, T. 26 N., R. 7 E., 38 ft. N. and 175 ft. W. from junction of rd. SW., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 18 1934"-----	724. 723
Forrest, 2.0 mi. E. of, 0.2 mi. S. of quarter corner between secs. 1 and 2, T. 26 N., R. 7 E., 242 ft. E. of crossing of Toledo, Peoria & Western R. R. and N.-S. rd., 40 ft. S. of S. rail of main track, on N. side of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "7 18 1934"-----	721. 158
Forrest, 3.0 mi. E. of, 3.1 mi. W. of Chatsworth, 0.25 mi. N. of SW. cor. sec. 6, T. 26 N., R. 8 E., 20 ft. S. and 14 ft. E. from crossroads, on top of E. head wall of concrete culvert; chiseled square-----	749. 64

[Connects with lines 3 and 4 in Chatsworth quadrangle]

5. From point 0.5 mile south and 2.7 miles west from Piper City west and north along U. S. Highway 24 to Chatsworth (by R. A. Wilson in 1934)

[Continued from Piper City quadrangle, line 6]

Chatsworth, 0.5 mi. S. and 2.0 mi. E. from 0.5 mi. S. and 3.0 mi. W. from Piper City, near SW. cor. sec. 1, T. 26 N., R. 8 E., 30 ft. N. and 111 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 17 1934"-----	718. 542
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1230 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Chatsworth, 0.5 mi. S. and 1.7 mi. E. from, 0.19 mi. E. of N¼ cor. sec. 11, T. 26 N., R. 8 E., 32 ft. S. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "16 16 1934"-----	<i>Feet</i> 734.681
Chatsworth, 0.5 mi. S. and 0.5 mi. E. from, near S¼ cor. sec. 3, T. 26 N., R. 8 E., on NE. wing wall of concrete bridge under highway; chiseled square-----	727.45

[Continued in Chatsworth quadrangle, line 4]

STREATOR QUADRANGLE

[Latitude 41°00'–41°15'; longitude 88°45'–89°00']

LA SALLE AND LIVINGSTON COUNTIES

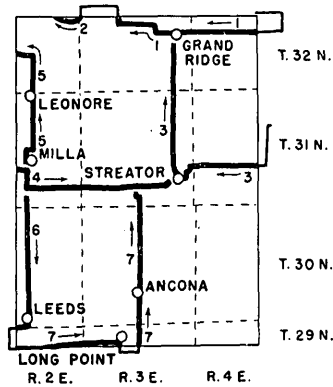


FIGURE 206.—Lines of leveling in Streator quadrangle.

1. From point 4.2 miles east of Grand Ridge west along road 5.6 miles, thence alternately north and west to point 1 mile north and 3.3 miles west from Grand Ridge (by R. G. Clinite in 1911)

[Continued from Odell quadrangle, line 1]

Grand Ridge, 0.8 mi. E. of, near SW. cor. sec. 18, T. 32 N., R. 4 E., in NE. angle of crossroads, 4 ft. N. of fence corner, 1.3 ft. W. of fence; standard iron post with bronze cap stamped "642" (recovered in 1924)	Feet 641. 276
Reference mark, in SE. angle of crossroads, in root of 24-in. maple tree; copper nail and washer	640. 81
Grand Ridge, 0.2 mi. W. of, in SW. angle of crossroads, diagonally opposite school building, 3 ft. N. of sidewalk intersection, on flag-stone; chiseled circle	642. 93
Grand Ridge, 1.2 mi. W. of, at cor. secs. 14, 15, 22, and 23, T. 32 N., R. 3 E., at junction of T-rd. E., on stone marking section corner; chiseled circle	648. 35
Grand Ridge, 1.2 mi. W. thence 0.5 mi. N. from, 20 ft. S. and 25 ft. E. from quarter corner between secs. 14 and 15, T. 32 N., R. 3 E., at junction of T-rd. W.; standard iron post with bronze cap stamped "Prim Trav Sta No 5 1911 641"	641. 176
Grand Ridge, 0.5 mi. N. and 3.3 mi. W. from, at quarter corner between secs. 16 and 17, T. 32 N., R. 3 E., at junction of T-rd. E., on stone marking section corner; chiseled square	654. 70

[Continued in Ottawa quadrangle, line 5]

1232 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

2. From point 1 mile north and 5.3 miles west from Grand Ridge southwest and northwest to point 2 miles southeast of Vermilionville (by R. G. Clinite in 1911)

[A Jog from Ottawa quadrangle, line 5]

Grand Ridge, 0.7 mi. N. and 6.0 mi. W. from, 2.5 mi. SE. of Vermilionville, near center of NW¼ sec. 13, T. 32 N., R. 2 E., just S. of Newell School, on S. side of rd., in line with center of rd. N., 1.5 ft. N. of fence; standard iron post with bronze cap stamped "695"-----

Feet
695.023

[Continued in Ottawa quadrangle, line 5]

3. From point 0.4 mile south and 0.5 mile west from Kernan west along roads to Streator, thence north to Grand Ridge (by G. F. Williams in 1924)

[Continued from Odell quadrangle, line 2]

Kernan, 0.4 mi. S. thence 2.1 mi. W. from, 0.7 mi. N. and 2.7 mi. E. from Streator, near SE. cor. sec. 20, T. 31 N., R. 4 E., 540 ft. W. of crossroads, on top of NE wing wall of concrete highway bridge; chiseled square-----

644.88

Streator, 0.7 mi. N. and 1.8 mi. E. from, near SE. cor. sec. 19, T. 31 N., R. 4 E., 25 ft. N. and 40 ft. W. from crossroads, at SE. corner of St. Anthony's Cemetery, 9 ft. W. of fence corner, 1.5 ft. S. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 83 Mac 1923 W 7"-----

651.200

Reference mark, in SE. angle of crossroads, on top of circular concrete base of corner fence post; chiseled square-----

649.71

Streator, at SW. corner of intersection of First and Otter Creek Streets, in NE. corner of front yard of residence of John Braeny, in root on E. side of 10-in. maple tree; copper nail and washer-----

630.33

Streator, at intersection of Brunson and Otter Creek Streets, on S. side of Brunson Street, on end of curb; chiseled square (City B. M.)---

638.48

Streator, 100 ft. S. of intersection of East Grant and Wasson Streets, on W. side of Wasson Street, on S. side of driveway to residence, on top of sandstone curb; chiseled square-----

628.52

Streator, at Chicago, Burlington & Quincy R. R. sta.; top of W. rail of W. track-----

620.7

Streator, at NE. corner of post office, in N. limestone wall of building, set vertically; standard tablet stamped "8 W 1924" (recovered by U. S. C. & G. S. in 1935)-----

625.018

Reference mark, on N. side of street, at E. gate of S. entrance of city park, on curb; chiseled square-----

619.36

Streator, on W. side of North Bloomington Street, 35 ft. N. and 10 ft. W. from crossing of Chicago & Alton R. R. and trolley tracks, 8 ft. S. of telephone pole, on sandstone curb; chiseled mark-----

613.34

Streator, at N. city limits, on North Bloomington Street, 13 ft. N. of N. rail of New York Central R. R., 21.3 ft. W. of W. rail of trolley track, in SE. corner of front yard of dwelling of William Bell, in corner of fence N. of brick sidewalk, in concrete post; standard tablet stamped "31 W 1924" (recovered by U. S. C. & G. S. in 1935)---

631.432

Reference mark, on E. side of North Bloomington Street, 10 ft. S. and 20 ft. E. from R. R. and trolley crossing; top of bolt in NW. corner of base of danger signal-----

631.70

Streator, 0.7 mi. N. of N. limits of, near NW. cor. sec. 24, T. 31 N., R. 3 E., in SE. angle of crossroads, 15 ft. S. of fence corner, in root on W. side of hedge tree; copper nail and washer-----

631.65

Streator, 1.6 mi. N. of, 5.1 mi. S. of Grand Ridge, 0.14 mi. S. of NW. cor. sec. 13, T. 31 N., R. 3 E., at concrete bridge over Otter Creek, in top of NE. wing wall; standard tablet stamped "9 W 1924"-----	<i>Feet</i> 591. 603
Reference mark, on top of SW. wing wall of bridge; chiseled square-----	591. 46
Grand Ridge, 4.0 mi. S. of, near NE. cor. sec. 11, T. 31 N., R. 3 E., in SW. angle of crossroads, on N. side of walk to school entrance, in schoolyard, in root on N. side of 20-in. maple tree; copper nail and washer-----	638. 86
Grand Ridge, 3.0 mi. S. of, near SW. cor. sec. 36, T. 32 N., R. 3 E., in NE. angle of crossroads, on W. end of N. head wall of concrete culvert under rd. E.; chiseled square-----	655. 22
Grand Ridge, 2.0 mi. S. of, near NE. cor. sec. 35, T. 32 N., R. 3 E., in SW. angle of crossroads, in fence corner, 5 ft. S. of corner post, 2 ft. W. of fence, in concrete post; standard tablet stamped "10 W 1924"-----	663. 240
Reference mark, on top of N. head wall of concrete culvert under rd. W.; chiseled square-----	663. 94
Grand Ridge, 1.0 mi. S. of, near SE. cor. sec. 23, T. 32 N., R. 3 E., in NW. angle of crossroads, on top of N. head wall of concrete culvert under road W.; chiseled square-----	650. 38
Grand Ridge, in SE. angle of intersection of Main Street and State Highway 23, on E. side of highway, 5 ft. S. of sidewalk, on top of S. head wall of concrete culvert under Main Street; chiseled square-----	642. 94

4. From point 0.5 mile south and 0.8 mile west from Milla along roads east 0.5 mile and south 1 mile, thence east to Streator (by G. F. Williams in 1924)

[Continued from Wenona quadrangle, line 2]

Milla, 0.3 mi. W. thence 0.5 mi. S. from, 0.5 mi. S. and 3.5 mi. E. from Lostant, near SE. cor. sec. 21, T. 31 N., R. 2 E., 360 ft. W. of crossroads, on N. side of rd., on top of S. end of concrete retaining wall, 3 ft. N. of bridge floor; chiseled square-----	674. 95
Milla, 0.3 mi. W. thence 1.5 mi. S. from, at Seipp School, near SE. cor. sec. 28, T. 31 N., R. 2 E., in NW. angle of crossroads, in SE. corner of schoolyard, in concrete post; standard tablet stamped "12 W 1924"-----	682. 864
Reference mark, 115 ft. E. of crossroads, 15 ft. N. of N. fence, in root on S. side of 36-in. maple tree; copper nail and washer-----	682. 66
Milla, 1.5 mi. S. and 0.7 mi. E. from, near SE. cor. sec. 27, T. 31 N., R. 2 E., 250 ft. W. of crossroads, 25 ft. N. of fence, on W. side of driveway to farm of Raymond Berry, inside fence, in root on W. side of 24-in. maple tree; copper nail and washer-----	675. 36
Milla, 1.5 mi. S. and 2.1 mi. E. from, 0.14 mi. W. of S¼ cor. sec. 25, T. 31 N., R. 2 E., on N. side of rd., in orchard of William Horty, in root of 14-in. maple tree; copper nail and washer-----	664. 83
Milla, 1.5 mi. S. and 2.7 mi. E. from, 5.0 mi. W. of Streator, near NW. cor. sec. 21, T. 31 N., R. 3 E., in SE. angle of crossroads, opposite St. Mary's Catholic Church, in fence corner of schoolyard, in concrete post; standard tablet stamped "13 W 1924"-----	661. 222
Reference mark, in NE. angle of crossroads, on concrete walk to church, at SW. corner of base of second brick post from rd.; chiseled square-----	661. 13

1234 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Streator, 3.0 mi. W. of, near NW. cor. sec. 33, T. 31 N., R. 3 E., in SE. angle of crossroads, at E. end of culvert under rd. S., on top of NE. wing wall at junction of head wall; chiseled square-----	<i>Feet</i> 641. 57
Streator, 2.0 mi. W. of, near SW. cor. sec. 27, T. 31 N., R. 3 E., in NE. angle of crossroads, 20 ft. N. of fence corner, in concrete post; standard tablet stamped "14 W 1924"-----	620. 642
Reference mark, 350 ft. W. of crossroads, on E. end of S. head wall of concrete culvert; chiseled square-----	620. 19
Streator, 1.0 mi. W. of, near SW. cor. sec. 26, T. 31 N., R. 3 E., 450 ft. E. of crossing of Chicago & Alton R. R., on top of N. head wall of concrete culvert under E.-W. road; chiseled square-----	613. 80
Streator, at Bridge Street bridge over Vermilion River, 12 ft. E. of W. abutment, on N. concrete curb; chiseled square-----	582. 72
Vermilion River, under bridge; surface of water Aug. 29, 1924-----	556. 6
Streator, at NW. corner of intersection of Bloomington and Main Streets, at SE. corner of Plumb Hotel, on water table on W. side of building, 14 in. from corner; highest point in faintly outlined chiseled square (A. T. & S. F. Ry. B. M.)-----	623. 72
5. From crossroads 0.3 mile west and 0.5 mile south from Milla along roads generally north to point 2.2 miles north of Leonore, thence west 1 mile (by G. F. Williams in 1924)	
Milla, 0.3 mi. W. thence 0.5 mi. N. from, at Shawback School, near NE. cor. sec. 21, T. 31 N., R. 2 E., in SW. angle of junction of T-rd. S., in schoolyard, in root of 12-in. maple tree nearest NE. corner of fence; copper nail and washer-----	693. 99
Milla, 0.2 mi. E. thence 0.5 mi. N. from, 2.8 mi. S. of Leonore, near N $\frac{1}{4}$ cor. sec. 22, T. 31 N., R. 2 E., in SW. angle of crossroads, 5 ft. W. of corner of hedgerows, in concrete post; standard tablet stamped "15 W 1924"-----	679. 253
Reference mark, in SE. angle of crossroads, at dwelling of C. Bering, in NW. corner of picket fence, in root of 12-in. maple tree; copper nail and washer-----	678. 53
Leonore, 1.8 mi. S. of, at Evangelical Church, near N $\frac{1}{4}$ cor. sec. 15, T. 31 N., R. 2 E., on E. side of rd., 150 ft. S. of crossroads, in churchyard, in root on W. side of 14-in. maple tree; copper nail and washer-----	690. 70
Leonore, 0.8 mi. S. of, near S $\frac{1}{4}$ cor. sec. 3, T. 31 N., R. 2 E., in NE. angle of crossroads, 550 ft. W. of Sts. Petri & Pauli German Catholic Church, on N. end of E. head wall of concrete culvert under rd. N.; chiseled square-----	671. 96
Leonore, 190 ft. S. of C. B. & Q. R. R. crossing, on E. side of Main Street, on S. side of alley, in top of curb, flush with walk; standard tablet stamped "16 W 1924"-----	681. 327
Reference mark, 60 ft. S. of tablet, 2.5 ft. S. and 10 ft. W. from corner of building, 5.5 ft. S. of hydrant, on edge of sidewalk, in line with iron cellar doors; chiseled square-----	681. 68
Leonore, 0.2 mi. N. of, near S $\frac{1}{4}$ cor. sec. 34, T. 32 N., R. 2 E., in NE. angle of junction of T-rd. E., on top of E. head wall of concrete culvert under rd. N.; chiseled square-----	670. 57
Leonore, 0.7 mi. N. of, near center of sec. 34, T. 32 N., R. 2 E., in SW. angle of crossroads, at NE. cor. of Union Cemetery, on top of NE. corner of concrete wall supporting cemetery fence; chiseled square-----	671. 18

Leonore, 1.2 mi. N. of, at S¼ cor. sec. 27, T. 32 N., R. 2 E., in NW. angle of junction of T-rd. W., on circular concrete base of corner fence post; chiseled square -----	<i>Feet</i> 658. 02
Leonore, 2.2 mi. N of, near S¼ cor. sec. 22, T. 32 N., R. 2 E., on N. side of rd., 15 ft. W. of driveway to dwelling of N. G. Scott, in fence corner, in root on W. side of wild-cherry tree; copper nail and washer -----	654. 21
Leonore, 2.2 mi. N. thence 0.8 mi. W. from, 0.25 mi. W. of NE. cor. sec. 28, T. 32 N., R. 2 E., 30 ft. S. and 20 ft. W. from junction of T-rd. N., 15 ft. W. of center of iron gate to driveway, 6 ft. W. of fence corner, in concrete post; standard tablet stamped "17 W 1924" -----	649. 135
Reference mark, 100 ft. S. and 15 ft. W. from tablet, 10 ft. S. of NW. corner of orchard fence, in root on W. side of maple tree, northernmost in group of five trees; copper nail and washer-----	647. 38
[Continued in Wenona quadrangle, line 3]	
6. From crossroads 0.3 mile west and 1.5 miles south from Milla along roads south 7 miles and west 0.5 mile to point 0.5 mile south and 0.6 mile west from Leeds (by G. F. Williams in 1924)	
Milla, 0.3 mi. W. thence 2.5 mi. S. from, near NE. cor. sec. 4, T. 30 N., R. 2 E., in SW. angle of offset crossroads, 85 ft. W. of rd. S., in line with rd. N., 15 ft. S. of fence, in yard of old abandoned house, in root on N. side of 12-in. maple tree; copper nail and washer -----	681. 18
Milla, 0.3 mi. W. thence 3.5 mi. S. from, 4.5 mi. N. of Leeds, at Moore School, near SW. cor. sec. 3, T. 30 N., R. 2 E., 60 ft. N. and 40 ft. E. from crossroads, in SW. corner of schoolyard, in root on W. side of 12-in. maple tree; copper nail and washer-----	674. 52
Leeds, 3.5 mi. N. of, near SE. cor. sec. 9, T. 30 N., R. 2 E., in NW. angle of crossroads, 5 ft. W. of fence corner, in concrete post; standard tablet stamped "18 W 1924"-----	673. 990
Reference mark, 115 ft. E. of crossroads, on N. side of rd., 15 ft. E. of SE. corner of yard fence, in root on E. side of lone willow tree outside yard fence; copper nail and washer-----	674. 01
Leeds, 2.5 mi. N. of, near NW. cor. sec. 22, T. 30 N., R. 2 E., in SE. angle of crossroads, 225 ft. S. of Osage Center School, on W. end of head wall or culvert under concrete rd.; chiseled square-----	660. 45
Leeds, 1.5 mi. N. of, near SW. cor. sec. 22, T. 30 N., R. 2 E., in NE. angle of crossroads, 15 ft. E. of point of triangle formed by fences; 6 ft. N. of fence, in root on W. side of large elm tree; copper nail and washer-----	668. 76
Leeds, 0.5 mi. N. of, at Modine School, near NE. cor. sec. 33, T. 30 N., R. 2 E., in SW. angle of crossroads, in schoolyard, 10 ft. W. of old well, 15 ft. W. of wooden fence, in root on S. side of 12-in. maple tree; copper nail and washer-----	668. 39
Leeds, 100 ft. N. and 25 ft. E. from crossing of A. T. & S. F. Ry., 75 ft. N. of N. end of switch stand of siding to grain elevator, on E. side of rd., 4.5 ft. S. of telephone pole, in concrete post; standard tablet stamped "19 W 1924" (recovered by U. S. C. & G. S. in 1935)-----	678. 821

Reference mark, 10 ft. S. and 35 ft. W. from crossing, on NW. corner of concrete base of signal tower; chiseled square (A. T. & S. F. Ry. B. M.)-----	<i>Feet</i> 679. 10
Leeds, at A. T. & S. F. Ry. crossing; top of S. rail of S. track-----	679. 7
Leeds, 0.4 mi. S. of near SE. cor. sec. 33, T. 30 N., R. 2 E., 250 ft. N of crossroads, on top of SW. wing wall of S. limestone abutment of iron bridge over Prairie Creek; chiseled square-----	665. 38
[Continued in Wenona quadrangle, line 4]	
7. From point 1.5 miles south and 0.5 mile west from Leeds east along roads to point 0.3 mile south and 1 mile east from Long Point, thence north to crossroads 2 miles west of Streator (by G. F. Williams in 1924)	
[Continued from Minonk quadrangle, line 1]	
Leeds, 1.5 mi. S. of, at Nelson School, near SW. cor. sec. 3, T. 29 N., R. 2 E., 100 ft. E. of crossroads, in schoolyard, 20 ft. N. of fence line, in root on S. side of 12-in. tree at end of row of three maple trees; copper nail and washer-----	677. 57
Leeds, 1.5 mi. S. thence 1.0 mi. E. from, 4.0 mi. W. of Long Point, near SW. cor. sec. 2, T. 29 N., R. 2 E., 30 ft. N. and 50 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 70 Mac 1923 W 20"-----	668. 160
Reference mark, 650 ft. E. of crossroads, on N. side of rd., 25 ft. W. of SW. corner of yard fence, in root on E. side of first tree in W. row of maple trees; copper nail and washer-----	672. 02
Long Point, 3.0 mi. W. of, at Pleasant Valley School, near NE. cor. sec. 11, T. 29 N., R. 2 E., in SW. angle of crossroads, in NE. corner of schoolyard, in root on N. side of corner maple tree; copper nail and washer-----	657. 89
Long Point, 2.0 mi. W. of, near SE. cor. sec. 1, T. 29 N., R. 2 E., in NW. angle of offset crossroads, near mail box marked "Box 4 C, Route 10," on top of SW. wing wall of small concrete culvert under N.-S. rd.; chiseled square-----	654. 38
Long Point, 1.0 mi. W. of, near SE. cor. sec. 6, T. 29 N., R. 3 E., 30 ft. N. and 50 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 69 Mac 1923 W 21"-----	644. 347
Reference mark, 55 ft. S. of tablet, on top of S. head wall of small concrete culvert under rd. W.; chiseled square-----	644. 18
Long Point, 105 ft. SE. of A. T. & S. F. Ry. crossing, 85 ft. SE. of E.-W. rd., in line with center of rd. N., 25 ft. E. of turn SW. in rd., at fence line, in root between two maple trees standing together; copper nail and washer-----	639. 82
[Jogs into Flanagan quadrangle, line 1]	
Long Point, 1.0 mi. E. of, at Argobright School, 0.3 mi. N. of SW. cor. sec. 3, T. 29 N., R. 3 E., on E. side of rd., 150 ft. S. of junction of T-rd. W., in NW. corner of schoolyard, 1.5 ft. S. of fence corner, in concrete post; standard tablet stamped "27 W 1924"-----	628. 680
Reference mark, 450 ft. N. of tablet, 300 ft. N. of T-rd. W., 90 ft. S. of junction of T-rd. E., on SW. wing wall of S. concrete abutment of Cole Hower Bridge over Long Point Creek; chiseled square-----	622. 95
Long Point, 1.0 mi. E. thence 0.8 mi. N. from, 1.5 mi. S. of Ancona, near cor. secs. 3, 4, 33, and 34, Tps. 29 and 30 N., R. 3 E., at junction of private lane E., on E. side of rd., on top of N. head wall of small concrete culvert under lane; chiseled square-----	638. 65

Ancona, 0.5 mi. S. of, near NW. cor. sec. 34, T. 30 N., R. 3 E., in SE. angle of crossroads, in root on W. side of large corner maple tree; copper nail and washer-----	<i>Feet</i> 632. 38
Ancona, at A. T. & S. F. Ry. crossing; top of S. rail of S. track-----	632. 8
Ancona, 525 ft. N. of A. T. & S. F. Ry. crossing, at concrete bridge over Prairie Creek, on E. end of N. concrete abutment, 3 in. E. of wall; standard tablet stamped "28 W 1924" (recovered by U. S. C. & G. S. in 1935)-----	625. 484
Reference mark, on SE. corner of concrete platform of Carpenter Bros. general store; chiseled square-----	630. 77
Ancona, 0.5 mi. N. of, near NE. cor. sec. 28, T. 30 N., R. 3 E., in SW. angle of crossroads, 6 ft. N. and 25 ft. W. from highway marker 3903, 25 ft. W. of fence corner, inside fence, in crotch of maple tree; copper nail and washer-----	629. 57
Ancona, 1.4 mi. N. of, near NE. cor. sec. 21, T. 30 N., R. 3 E., on W. side of rd., at S. side of gate to farm driveway, in root 2 in. underground on S. side of large cottonwood tree; copper nail and washer-----	624. 31
Ancona, 2.0 mi. N. of, near E $\frac{1}{4}$ cor. sec. 16, T. 30 N., R. 3 E., 115 ft. S. of crossroads, on top of NW. wing wall of concrete bridge over Moon Creek; chiseled square-----	619. 14
Ancona, 3.0 mi. N. of, near E $\frac{1}{4}$ cor. sec. 9, T. 30 N., R. 3 E., in NW. angle of crossroads, 7.5 ft. W. of fence corner, 4.7 ft. N. of fence, in concrete post; standard tablet stamped "29 W 1924"-----	629. 043
Reference mark, 310 ft. N. of crossroads, on W. side of rd., in root on E. side of 24-in. tree, southernmost in row of five maple trees; copper nail and washer-----	630. 16
Ancona, 4.3 mi. N. of, 0.18 mi. N. of E $\frac{1}{4}$ cor. sec. 4, T. 30 N., R. 3 E., on W. side of rd., at coal mine of Kimes & Son, 3.5 ft. N. of NE. corner of weighing room, 1 ft. N. and 2 ft. W. from NW. corner of scales; top of cap of 2-in. iron pipe about 2 ft. above ground-----	628. 29
Ancona, 4.6 mi. N. of, 1.0 mi. S. and 2.0 mi. W. from Streator, near NW. cor. sec. 3, T. 30 N., R. 3 E., in SE. angle of crossroads, at small iron bridge over drainage ditch, on NE. wing wall of N. concrete abutment, 2 in. E. of N. end of E. railing; chiseled square-----	614. 29

SULLIVAN QUADRANGLE

[Latitude 39°30'–39°45' ; longitude 88°30'–88°45']

MOULTRIE AND SHELBY COUNTIES

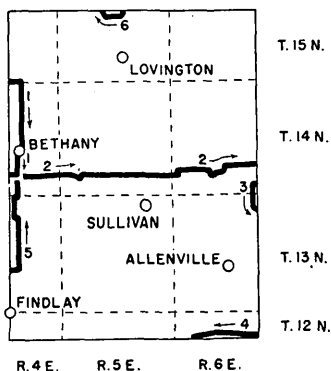


FIGURE 207.—Lines of leveling in Sullivan quadrangle.

1. From point 3.5 miles north and 0.7 mile west from Bethany along roads east, south, and west to point 1.5 miles south and 0.7 mile west from Bethany (by E. W. Gouchenour in 1929)

[Continued from Prairie Home quadrangle, line 4]

Bethany, 3.5 mi. N. of, near SE. cor. sec. 34, T. 15 N., R. 4 E., 18 ft. N. and 105 ft. W. from crossroads, in root on SW. side of maple tree; copper nail and washer	<i>Feet</i> 692. 27
Bethany, 2.5 mi. N. of, near NE. cor. sec. 10, T. 14 N., R. 4 E., 120 ft. S. and 27 ft. W. from junction of T-rd. E., in field, in root on E. side of N. catalpa tree; copper nail and washer	685. 11
Bethany, 2.0 mi. N. of, near W¼ cor. sec. 11, T. 14 N., R. 4 E., 5 ft. S. and 15 ft. E. from junction of T-rd. E., on S. end of concrete culvert; chiseled square	671. 42
Bethany, 1.0 mi. N. of, near E¼ cor. sec. 15, T. 14 N., R. 4 E., 52 ft. N. and 21 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 25 E 1929"	659. 055
Reference mark, 27 ft. S. of tablet, on N. end of concrete culvert; chiseled square	658. 45
Bethany, at Illinois Central R. R. sta., on NW. corner of platform; chiseled square	656. 58
Bethany, 1.5 mi. S. and 0.2 mi. W. from, 0.25 mi. W. of NE. cor. sec. 34, T. 14 N., R. 4 E., 25 ft. S. and 37 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 16 E 1929" (recovered in 1930)	654. 919
Reference mark, 57 ft. W. of tablet, on S. end of concrete culvert; chiseled square (recovered in 1930)	654. 44

[Continued in Prairie Home quadrangle, line 5]

2. From crossroads 1.5 miles south and 0.2 mile west from Bethany generally east along roads to point 6 miles south and 1.5 miles west from Arthur (by E. W. Gouchenour in 1929)

Bethany, 1.5 mi. S. and 1.2 mi. E. from, 755 ft. E. of NW. cor. sec. 36, T. 14 N., R. 4 E., 10 ft. S. and 100 ft. E. from junction of rd. S., in root of walnut tree; copper nail and washer-----	Feet 606.10
Bethany, 1.5 mi. S. and 2.0 mi. E. from, 0.2 mi. S. thence 0.5 mi. W. from Dunn, near SE. cor. sec. 25, T. 14 N., R. 4 E., 75 ft. N. and 15 ft. W. from crossroads, in root on E. side of white-oak tree; copper nail and washer-----	648.83
Bethany, 1.5 mi. S. and 3.2 mi. E. from, 0.2 mi. S. and 0.7 mi. E. from Dunn, 1.5 mi. N. and 3.5 mi. W. from Sullivan, 0.25 mi. E. of SW. cor. sec. 29, T. 14 N., R. 5 E., 24 ft. N. and 30 ft. W. from right-angle turn from N. to E. in rd., in concrete post; standard tablet stamped "T T Sta No 26 E 1929"-----	655.957
Reference mark, 80 ft. S. and 320 ft. E. from tablet, in pasture, in root on N. side of large oak tree; copper nail and washer-----	650.62
Sullivan, 1.5 mi. N. and 2.3 mi. W. from, near S¼ cor. sec. 28, T. 14 N., R. 5 E., 25 ft. N. and 20 ft. E from intersection of hedge fence, in root on S. side of cottonwood tree; copper nail and washer-----	676.46
Sullivan, 1.5 mi. N. and 1.3 mi. W. from, near N¼ cor. sec. 34, T. 14 N., R. 5 E., 24 ft. S. and 27 ft. E from intersection of State Highway 32, on concrete inlet to drain; chiseled square-----	687.06
Sullivan, 1.5 mi. N. and 0.5 mi. W. from, 0.25 mi. E. of SW. cor. sec. 26, T. 14 N., R. 5 E., 35 ft. N. and 20 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 27 E 1929" ⁴⁸ -----	668.760
Reference mark, 50 ft. S. and 30 ft. W. from tablet, on W. end of concrete retaining wall; chiseled square-----	669.52
Sullivan, 1.5 mi. N. and 0.2 mi. E. from, near NE. cor. sec. 35, T. 14 N., R. 5 E., 35 ft. S. and 55 ft. W. from crossroads, in NE. corner of yard, in root on N. side of maple tree; copper nail and washer-----	674.05
Sullivan, 1.5 mi. N. and 1.3 mi. E. from, 30 ft. N. and 70 ft. E. from SW. cor. sec. 30, T. 14 N., R. 6 E., in root of small wild-cherry tree; copper nail and washer-----	670.30
Sullivan, 1.7 mi. N. and 2.3 mi. E. from, at Twomile School, 0.25 mi. N. of SE. cor. sec. 30, T. 14 N., R. 6 E., 24 ft. N. and 40 ft. W. from crossroads, in SE. corner of schoolyard, in concrete post; standard tablet stamped "T T Sta No 28 E 1929"-----	648.116
Reference mark, 120 ft. W. of tablet, at entrance to schoolyard, on SE. bottom step of concrete stile; chiseled square-----	649.34
Sullivan, 1.7 mi. N. and 3.3 mi. E. from, 0.25 mi. N. of SE. cor. sec. 29, T. 14 N., R. 6 E., 10 ft. N. and 125 ft. W. from junction of N.-S. rd., on N. wing of E. abutment of steel-girder bridge; chiseled square-----	640.28
Sullivan, 2.0 mi. N. and 4.3 mi. E. from, 6.0 mi. S. and 3.0 mi. W. from Arthur, near E¼ cor. sec. 28, T. 14 N., R. 6 E., 23 ft. N. and 18 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 29 E 1929" ⁴⁹ -----	649.782

⁴⁸ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "K 82 1935," elevation 678.063 ft.

⁴⁹ In 1935 this bench mark was moved 1 ft. south and 9 ft. west from this position and reset at an elevation 0.133 ft. higher than that originally determined. The figures given represent the new elevation.

Reference mark, 840 ft. E. of crossroads, 25 ft. S. of center line of rd., in root on N. side of hackberry tree; copper nail and washer-----	Feet 651. 24
Arthur, 6.0 mi. S. and 2.2 mi. W. from, 0.25 mi. W. of E $\frac{1}{4}$ cor. sec. 27, T. 14 N., R. 6 E., 24 ft. S. and 125 ft. E. from crossroads, at yard fence, in root on N. side of catalpa tree; copper nail and washer-----	660. 46
[Continued in Arcola quadrangle, line 2]	
3. From point 7 miles south and 1.5 miles west from Arthur west, south, and southeast about 1.8 miles (by E. W. Gouchenour in 1929)	
[A jog from Arcola quadrangle, line 2]	
Arthur, 7.0 mi. S. and 1.8 mi. W. from, 1.0 mi. N. and 5.6 mi. E. from Sullivan, 0.25 mi. E. of W $\frac{1}{4}$ cor. sec. 35, T. 14 N., R. 6 E., 15 ft. N. and 2 ft. E. from junction of T-rd. S., on concrete base of corner post; chiseled square-----	646. 17
Sullivan, 0.1 mi. S. and 5.6 mi. E. from, 3.1 mi. N. and 1.2 mi. E. from Allenville, 600 ft. S. and 0.25 mi. E. from W $\frac{1}{4}$ cor. sec. 2, T. 13 N., R. 6 E., 50 ft. N. and 20 ft. E. from junction of T-rd. W., in concrete post; standard tablet stamped "T T Sta No 43 E 1929"-----	649. 370
Reference mark, 98 ft. N. and 40 ft. W. from tablet, in root on N. side of small wild-cherry tree; copper nail and washer-----	649. 40
[Continued in Arcola quadrangle, line 2]	
4. From point 3.5 miles northwest of Gays generally west along roads to point near quarter corner between secs. 7 and 8, T. 12 N., R. 6 E. (by S. R. Archer in 1930)	
[Continued from Mattoon quadrangle, line 9]	
Gays, 4.0 mi. NW. of, 3.5 mi. S. thence 1.0 mi. E. from Allenville, about 0.25 mi. S. of NW. cor. sec. 11, T. 12 N., R. 6 E., 20 ft. N. and 50 ft. E. from junction of rd. N., in root on SE. side of 24-in. hickory tree; copper nail-----	658. 63
Allenville, 3.5 mi. S. of, about 0.2 mi. S. of NE. cor. sec. 9, T. 12 N., R. 6 E., 200 ft. W. of crossroads, on top of W. end of S. head wall of concrete culvert; chiseled square-----	646. 53
Allenville, 3.5 mi. S. thence 0.9 mi. W. from, 0.25 mi. S. and 0.12 mi. E. from NW. cor. sec. 9, T. 12 N., R. 6 E., 625 ft. E. of junction of N.-S. rd., 20 ft. S. of angle in rd., in concrete post; standard tablet stamped "Prim Trav Sta No 74 LS 1924"-----	654. 800
T. 12 N., R. 6 E., about 0.2 mi. S. of NE. cor. sec. 8, in NW. angle of junc- tion of T-rd. W., 6 ft. S. and 8 ft. W. from fence corner, in root on W. side of 10-in. hickory tree; copper nail and washer-----	634. 08
T. 12 N., R. 6 E., 0.18 mi. N. of quarter corner between secs. 7 and 8, at Whitfield School, 55 ft. W. of crossroads, on N. side of rd., in front of schoolyard, in root on S. side of 12-in. hickory tree; copper nail and washer-----	655. 06
[Continued in Stewardson quadrangle, line 4]	
5. From point 2.3 miles north and 0.2 miles east from Findlay along roads east 0.5 mile, thence generally north to cross- roads 1.5 miles south and 0.2 mile west from Bethany (by S. R. Archer in 1930)	
[Continued from Prairie Home quadrangle, line 6]	
Findlay, 2.3 mi. N. and 0.7 mi. E. from, near center of SE $\frac{1}{4}$ sec. 22, T. 13 N., R. 4 E., in NE. corner of junction of T-rd. N., on top of N. end of E. head wall of concrete culvert under rd. N.; chiseled square-----	663. 30

Findlay, 3.0 mi. N. and 0.7 mi. E. from, 0.25 mi. E. of S $\frac{1}{4}$ cor. sec. 15, T. 13 N., R. 4 E., 340 ft. N. of junction of T-rd. E., on W. side of rd., in root on NE. side of 10-in. hackberry tree; copper nail and washer-----	<i>Feet</i> 660. 36
Findlay, 3.5 mi. N. and 0.7 mi. E. from, 5.0 mi. S. and 0.2 mi. W. from Bethany, 0.25 mi. W. of E $\frac{1}{4}$ cor. sec. 15, T. 13 N., R. 4 E., 30 ft. S. and 15 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 17 E 1929"-----	660. 838
Reference mark, 50 ft. W. of crossroads, on N. side of rd., in root on E. side of 36-in. elm tree; copper nail and washer-----	661. 24
Bethany, 4.5 mi. S. and 0.2 mi. W. from, 0.25 mi. E. of quarter corner between secs. 10 and 15, T. 13 N., R. 4 E., at Moultrie-Shelby county line, 75 ft. W. of S. end of highway bridge and junction of T-rd. W., on top of NE. head wall of concrete culvert; chiseled square--	599. 48
Bethany, 3.5 mi. S. and 0.2 mi. W. from, at Cook School, 0.25 mi. E. of S $\frac{1}{4}$ cor. sec. 3, T. 13 N., R. 4 E., 50 ft. N. and 40 ft. W. from junction of E.-W. rd., in schoolyard, on top of SE. corner of concrete platform of well; chiseled square-----	659. 20
Bethany, 2.7 mi. S. and 0.5 mi. W. from, 700 ft. S. of N $\frac{1}{4}$ cor. sec. 3, T. 13 N., R. 4 E., 700 ft. S. of junction of E.-W. rd., on top of E. parapet of N. abutment of concrete bridge; chiseled square-----	636. 14
Bethany, 2.5 mi. S. and 0.2 mi. W. from, 0.25 mi. W. of SE. cor. sec. 34, T. 14 N., R. 4 E., in NE. corner of junction of T-rd. N., on top of concrete head wall of culvert; chiseled square-----	648. 70
6. From point 2.4 miles north of Lovington along roads south, west, and north about 1.7 miles (by L. V. Johnson in 1930)	
[A jog from Bement quadrangle, line 4]	
Lovington, 2.1 mi. N. of, near center of sec. 15, T. 15 N., R. 5 E., 40 ft. N. and 13 ft. W. from junction of rd. W., on W. head wall of concrete culvert; chiseled square-----	668. 82
Lovington, 2.0 mi. N. and 0.9 mi. W. from, in SE $\frac{1}{4}$ sec. 16, T. 15 N., R. 5 E., at steel bridge over creek, on NW. rock abutment; chiseled square-----	649. 22

[Continued in Bement quadrangle, line 4]

TOLEDO QUADRANGLE

[Latitude 39°15'–39°30' ; longitude 88°00'–88°15']

CLARK, COLES, AND CUMBERLAND COUNTIES

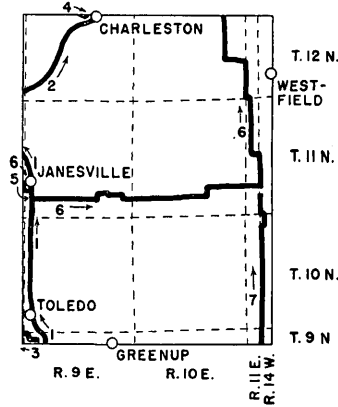


FIGURE 208.—Lines of leveling in Toledo quadrangle.

1. From point 1.9 miles southeast of Toledo northwest and north along Illinois Central Railroad to point 1.2 miles northwest of Janesville (by T. A. Green in 1906; first-order leveling)

[Continued from Rose Hill quadrangle, line 1]

Toledo, 0.8 mi. N. of, 2.8 mi. S. of Bradbury, 210 ft. N. of milepost 136–111, 35 ft. W. of track, 10 ft. N. of private rd. to house of Glenn Marvel; standard iron post with bronze cap stamped “1906 602” and designated “P 3” (recovered in 1924)	Feet 602.643
Bradbury, 630 ft. N. of sta., 25 ft. W. of track, 3 ft. W. of milepost 133–114; standard iron post with bronze cap stamped “1906 607” and designated “Q 3”	607.847
Bradbury, 3.0 mi. N. of, 0.5 mi. S. of Janesville, 20 ft. S. of rd., 30 ft. W. of track, in fence corner; standard iron post with bronze cap stamped “1906 676” and “Prim Trav. Sta No 55 S 1924” and designated “R 3” (recovered by U. S. C. & G. S. in 1935)	676.104

[Continued in Mattoon quadrangle, line 1]

2. From point 2.5 miles northeast of Lerna northeast along Toledo, St. Louis & Western Railroad⁶⁰ to Charleston (by T. A. Green in 1906; first-order leveling)

[Continued from Mattoon quadrangle, line 1]

Lerna, 3.0 mi. NE. of, 5.9 mi. SW. of Coles County courthouse in Charleston, 20 ft. E. of rd., 40 ft. N. of track; standard iron post with bronze cap stamped “1906 708” and designated “U 3”	708.083
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⁶⁰ Now part of the New York, Chicago & St. Louis R. R.

Charleston, 3.2 mi. SW. of, 25 ft. E. of rd., 50 ft. N. of track, 20 ft. W. of silver-poplar tree; standard iron post with bronze cap stamped "1906 615" and designated "V 3"-----	<i>Feet</i> 615.373
Charleston, at SW. corner of N. Y. C. & St. L. R. R. sta., 5 ft. E. of entrance to baggage room, in stone coping; aluminum tablet stamped "1906 672" and designated "W 3" (destroyed in 1917)---	672.279
Charleston, at courthouse, 15 ft. W. of N. entrance, in section of building [formerly] occupied by post office, in W. end of top step; aluminum tablet stamped "1906 686" and designated "X 3" (recovered in 1932) ⁵¹ -----	686.012

[Continued in Oakland quadrangle, line 1]

3. From point on Illinois Central Railroad 1.7 miles southeast of Toledo alternately west and north along roads to point 1 mile south and 0.3 mile west from Toledo (by F. D. Kramer in 1924; leveled twice)

Toledo, 1.5 mi. S. thence 0.4 mi. E. from, about 700 ft. E. of center of sec. 6, T. 9 N., R. 9 E., on S. side of rd., in yard of Daniel Shupe, in root of 20-in. black-walnut tree; copper nail and washer -----	596.35
Toledo, 1.0 mi. S. thence 0.3 mi. W. from, 0.1 mi. W. of NE. cor. sec. 1, T. 9 N., R. 8 E., 530 ft. W. of junction of T-rd. N., at concrete and steel bridge, on S. end of W. concrete abutment; chiseled square -----	582.09

[Continued in Mattoon quadrangle, line 3]

4. Along road and streets in Charleston (by F. D. Kramer in 1924)

[Continued from Oakland quadrangle, line 4]

Charleston, near city limits, in SE. corner of intersection of E Street and State Avenue, opposite entrance to Coles County fair grounds, in concrete post; standard tablet stamped "Prim Trav Sta No 73 LS 1924 K 30"-----	665.830
Reference mark, 65 ft. N.27°E. from tablet, in NE. corner of street intersection, 25 ft. SW. of SW. corner of house, on S. edge of concrete sidewalk; chiseled square.-----	664.73
Charleston, on E. side of Sixth Street, in front and directly W. of NW. corner of Charleston Courier Building, on top of curb; chiseled square-----	668.64
Charleston, in front of post office, at SE. corner of steps, on top of concrete base at foot of lamppost; standard tablet stamped "K 31 1924" (recovered by U. S. C. & G. S. in 1935)-----	671.908

5. From point 0.3 mile west of Janesville alternately east and south along roads to point 0.5 mile south of Janesville (by F. D. Kramer in 1924)

[Continued from Mattoon quadrangle, line 5]

Janesville, 0.2 mi. W. thence 0.2 mi. S. from, about 900 ft. S. of NE. cor. sec. 25, T. 11 N., R. 8 E., on W. side of rd., on top of N. wall of concrete culvert; chiseled square-----	682.15
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⁵¹ In 1924 it was reported that the tablet had been damaged, about one-third having been broken off, and that the step had settled about 0.009 ft.

6. From point 1.2 miles northwest of Janesville southeast along Illinois Central Railroad to point 1 mile south of Janesville, thence along roads generally east to road junction 1.5 miles south and 1.1 miles west from Oilfield, thence alternately north and east to point 2.4 miles south and 1.5 miles west from Ashmore (by S. R. Archer in 1932)

[Continued from Mattoon quadrangle, line 10]

Janesville, 1.1 mi. NW. of, near E. cor. secs. 13 and 24, T. 11 N., R. 8 E., 75 ft. S. and 90 ft. W. from intersection of R. R. and N.-S. rd., 90 ft. W. of junction of T-rd. W., on N. side of rd., in root on NE. side of 12-in. wild-cherry tree; copper nail and washer-----	Feet 711. 14
Janesville, in NE. corner of intersection of main E.-W. street, 70 ft. E. of track, at SW. corner of brick store building, on NW. corner of concrete porch; chiseled square-----	694. 86
Janesville, 1.0 mi. S. of, in NE. corner of intersection of E.-W. rd., at E. end of tile drain under R. R., on N. side; top of sharp projecting part-----	664. 40
Janesville, 1.0 mi. S. thence 0.7 mi. E. from, 0.25 mi. E. of NW. cor. sec. 32, T. 11 N., R. 9 E., in SW. corner of crossroads, in root on NW. side of 5-in. hedge tree with triangular blaze on trunk; copper nail and washer-----	643. 01
Janesville, 1.0 mi. S. thence 1.7 mi. E. from, 2.5 mi. S. of Farmington, 0.25 mi. E. of SW. cor. sec. 28, T. 11 N., R. 9 E., in NE. corner of junction of T-rd. N., on top of E. head wall of concrete culvert; chiseled square-----	636. 52
Janesville, 1.0 mi. S. thence 2.5 mi. E. from, near SE. cor. sec. 28, T. 11 N., R. 9 E., 18 ft. N. and 120 ft. W. from junction of T-rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 62 LS 1924"-----	660. 320
T. 11 N., R. 9 E., 0.25 mi. E. of N $\frac{1}{4}$ cor. sec. 34, on E. bank of Embarrass River, 170 ft. S. of mouth of drain from E. and end of abandoned rd., on E. side of 36-in. sycamore tree with triangular blazes on N. and W. sides of trunk, in notch 3 ft. above ground; copper nail and washer-----	552. 03
T. 11 N., R. 9 E., 0.25 mi. W. of quarter corner between secs. 26 and 35, at turn from E. to N. in rd. and junction of rd. S., on E. side of rd., at fence corner, in root on N. side of 24-in. wild-cherry tree; copper nail and washer-----	626. 37
T. 11 N., R. 9 E., 0.1 mi. S. of center of SE $\frac{1}{4}$ sec. 26, 110 ft. S. of junction of T-rd. E., on top of N. end of E. head wall of concrete culvert under rd. S.; chiseled square-----	618. 00
T. 11 N., R. 9 E., 265 ft. E. of S $\frac{1}{4}$ cor. sec. 25, 265 ft. E. of right-angle turn from S. to E. in rd., on top of N. end of E. concrete abutment of bridge; chiseled square-----	588. 30
T. 11 N., R. 10 E., near SW. cor. sec. 30, 1.0 mi. S. of Diona, 25 ft. N. and 25 ft. E. from junction of rd. E., in concrete post; standard tablet stamped "Prim Trav Sta No 63 LS 1924"-----	609. 017
T. 11 N., R. 10 E., 0.25 mi. W. of S $\frac{1}{4}$ cor. sec. 30, in NE. corner of intersection of State Highway 130, on top of E. head wall of concrete culvert under highway; chiseled square-----	614. 52
T. 11 N., R. 10 E., near SW. cor. sec. 29, in NE. angle of crossroads, at Lockwain School, at concrete steps at E. end of porch, on top of N. end of lower step; chiseled square-----	607. 29

T. 11 N., R. 10 E., near NW. cor. sec. 33, at crossroads, 60 ft. E. of junction of rd. N., on S. side of rd., in root on N. side of 8-in. persimmon tree; copper nail and washer-----	<i>Feet</i> 619. 01
T. 11 N., R. 10 E., near NW. cor. sec. 34, at McMillan School, 20 ft. S. and 30 ft. E. from crossroads, in NW. corner of schoolyard, in concrete post: standard tablet stamped "Prim Trav Sta No 64 LS 1924"-----	630. 046
T. 11 N., R. 10 E., near SE. cor. sec. 27, 50 ft. W. of T-junction of N.-S. rd., on N. side of rd., at fence, in root on N. side of 24-in. oak tree; copper nail and washer-----	623. 59
T. 11 N., R. 10 E., near W $\frac{1}{4}$ cor. sec. 26, 75 ft. S. of crossroads, on E. side of rd., in root on NW. side of 24-in. forked wild-cherry tree; copper nail and washer-----	621. 13
T. 11 N., R. 10 E., near W $\frac{1}{4}$ cor. sec. 25, 80 ft. S. of crossroads, on E. side of rd., in front of farmhouse, in root on NW. side of 24-in. hedge tree; copper nail and washer-----	632. 22
T. 11 N., R. 11 E., near W $\frac{1}{4}$ cor. sec. 30, 50 ft. N. of junction of T-rd. W., 270 ft. S. of right-angle turn E., on E. side of rd., in root on NW. side of 30-in. hedge tree; copper nail and washer-----	647. 09
T. 11 N., R. 14 W., near W $\frac{1}{4}$ cor. sec. 30, 1.1 mi. W. thence 1.5 mi. S. from Oilfield, at Clark-Cumberland county line, 24 ft. E. of N.-S. rd., in line with rd. W., in concrete post; standard tablet stamped "Prim Trav Sta No 65 LS 1924"-----	653. 507
Reference mark, 35 ft. N. and 40 ft. W. from rd. junction, in root on S. side of 10-in. elm tree; copper nail and washer-----	653. 16
Oilfield, 1.1 mi. W. thence 1.0 mi. S. from, near NW. cor. sec. 30, T. 11 N., R. 14 W., 155 ft. S. of junction of T-rd. W., 45 ft. S. of section-line fence E., on E. side of rd., at fence, in root on W. side of 40-in. cottonwood tree; copper nail and washer-----	653. 45
Oilfield, 1.1 mi. W. of, near SW. cor. sec. 18, T. 11 N., R. 14 W., 175 ft. E. of junction of E.-W. rd., on N. side of rd., in root on N. side of 24-in. cottonwood tree; copper nail and washer-----	654. 55
Oilfield, 1.1 mi. W. of, near NE. cor. sec. 19, T. 11 N., R. 11 E., 190 ft. W. of junction of E.-W. rd., on S. side of rd., at fence, in root on S. side of 12-in. elm tree; copper nail and washer-----	652. 49
Oilfield, 1.7 mi. W. of, at Berkeley School, 0.25 mi. E. of SW. cor. sec. 18, T. 11 N., R. 11 E., in NW. angle of junction of T-rd. N., on top of SE. corner of concrete porch floor of schoolhouse; chiseled square--	654. 83
Oilfield, 1.7 mi. W. thence 1.0 mi. N. from, 0.25 mi. E. of SW. cor. sec. 7, T. 11 N., R. 11 E., 50 ft. W. of crossroads, on N. side of rd., at fence line, in root on W. side of 36-in. maple tree; copper nail and washer--	648. 60
Oilfield, 1.7 mi. W. thence 2.0 mi. N. from, 2.4 mi. S. and 1.4 mi. W. from Westfield, 0.25 mi. E. of NW. cor. sec. 7, T. 11 N., R. 11 E., on S. side of section-line fence, 25 ft. E. of rd., on N. side of driveway, at NW. corner of yard of farmhouse, 2.3 ft. E. of fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 68 LS 1924"-----	664. 682
Westfield, 1.5 mi. S. and 1.4 mi. W. from, 0.25 mi. E. of W. cor. secs. 6 and 31, Tps. 11 and 12 N., R. 11 E., 100 ft. S. of junction of E.-W. rd., on W. side of rd., at fence line, in root on SE. side of 12-in. hickory tree; copper nail and washer-----	739. 93

1246 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Westfield, 1.5 mi. S. and 1.6 mi. W. from, near SW. cor. sec. 31, T. 12 N., R. 11 E., 35 ft. S. of junction of N.-S. rd., on E. side of rd., inside fence, 10 ft. W. of 15-in. hickory tree, in root on NW. side of 10-in. hickory tree; copper nail and washer-----	<i>Feet</i> 763. 22
Westfield, 0.5 mi. S. and 1.6 mi. W. from, near NE. cor. sec. 36, T. 12 N., R. 10 E., 50 ft. W. of crossroads, on S. side of rd., in root on N. side of 30-in. oak tree; copper nail and washer-----	745. 52
Westfield, 0.5 mi. N. and 1.6 mi. W. from, 4.9 mi. S. and 0.2 mi. W. from Ashmore, 0.12 mi. S. of NW. cor. sec. 30, T. 12 N., R. 11 E., in SE. corner of junction of E.-W. rd., on top of S. end of E. head wall of concrete culvert; chiseled square-----	758. 53
Ashmore, 4.9 mi. S. and 1.2 mi. W. from, near S. cor. secs. 23 and 24, T. 12 N., R. 10 E., 15 ft. N. of junction of T.-rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 69 LS 1924"-----	713. 224
Ashmore, 4.4 mi. S. and 1.5 mi. W. from, 0.25 mi. E. of center of sec. 23, T. 12 N., R. 10 E., at bridge over Whetstone Creek, on top of W. wing wall of N. concrete abutment; chiseled square-----	686. 39
Ashmore, 2.9 mi. S. and 1.5 mi. W. from, at Olmstead School, 0.25 mi. W. of SE. cor. sec. 11, T. 12 N., R. 10 E., in NE. angle of junction of T.-rd. E., on SE. corner of concrete porch floor of schoolhouse; chiseled square-----	707. 23

[Continued in Oakland quadrangle, line 10]

7. From point 0.5 mile north and 8.7 miles east from Greenup north along road to road junction 1.5 miles south and 1.1 miles west from Oilfield (by S. R. Archer in 1932)

[Continued from Rose Hill quadrangle, line 8]

Greenup, 1.3 mi. N. and 8.7 mi. E. from, 1.0 mi. SW. thence 2.2 mi. S. from Casey, near NW cor. sec. 6, T. 9 N., R. 14 W., in SE. corner of crossroads, on top of S. end of concrete floor of culvert; chiseled square-----	634. 10
Casey, 1.0 mi. SW. thence 1.2 mi. S. from, near SW. cor. sec. 30, T. 10 N., R. 11 E., 65 ft. W. of junction of T.-rd. W., on N. side of rd., at fence line, in root on E. side of 30-in. hedge tree; copper nail and washer-----	637. 43
Casey, 1.0 mi. SW. thence 0.7 mi. S. from, near W¼ cor. sec. 30, T. 10 N., R. 14 W., 80 ft. E. of junction of T.-rd. E., on N. side of rd., in fence line, in root on N. side of 24-in. oak tree; copper nail and washer-----	634. 30
Casey, 1.0 mi. SW. of, 0.17 mi. N. of S. cor. secs. 19 and 19, T. 10 N., Rs. 11 E. and 14 W., 33 ft. N. and 20 ft. W. from intersection of U. S. Highway 40, in concrete post; standard tablet stamped "Prim Trav Sta No 66 LS 1924" ⁵³ -----	649. 101
Casey, 1.0 mi. SW. thence 0.8 mi. N. from, near NW. cor. sec. 19, T. 10 N., R. 14 W., in SE. corner of junction of T.-rd. E., on top of S. concrete head wall of culvert; chiseled square-----	654. 28
Casey, 1.0 mi. SW. thence 1.6 mi. N. from, 0.25 mi. S. of NW. cor. sec. 18, T. 10 N., R. 14 W., in NE. corner of crossroads, on top of bridge end of N. wing wall of E. abutment of concrete highway bridge; chiseled square-----	652. 95

⁵³ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "G 86 1935," elevation 646.715 ft.

Casey, 1.0 mi. SW. thence 2.3 mi. N. from, near W $\frac{1}{4}$ cor. sec. 7, T. 10 N., R. 14 W., in SE. corner of junction of T-rd. E., on top of S. head wall of concrete culvert under rd. E.; chiseled square-----	<i>Feet</i> 648.03
Casey, 1.0 mi. SW. thence 2.8 mi. N. from, 1.1 mi. W. thence 4.3 mi. S. from Oilfield, near SE. cor. sec. 6, T. 10 N., R. 11 E., 30 ft. N. and 20 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 67 LS 1924"-----	640.088
Oilfield, 1.1 mi. W. thence 3.7 mi. S. from, 0.23 mi. W. of center of sec. 6, T. 10 N., R. 14 W., on top of SW. corner of concrete floor of bridge; chiseled square-----	627.95
Oilfield, 1.1 mi. W. thence 3.0 mi. S. from, near N. cor. secs. 6 and 6, T. 10 N., Rs. 11 E. and 14 W., 60 ft. S. of junction of T-rd. N., on W. side of fence S., in root on N. side of 6-in. wild-cherry tree; copper nail and washer-----	633.99
Oilfield, 1.1 mi. W. thence 2.1 mi. S. from, 0.13 mi. S. of NW. cor. sec. 31, T. 11 N., R. 14 W., 645 ft. N. of sixteenth corner, on E. side of rd., at abandoned farmhouse, in root on W. side of 30-in. tree, corner tree of row of maple trees N. and E.; copper nail and washer-----	652.20

TUSCOLA QUADRANGLE

[Latitude 39°45'–40°00'; longitude 88°15'–88°30']

CHAMPAIGN, DOUGLAS, MOULTON, AND PIATT COUNTIES

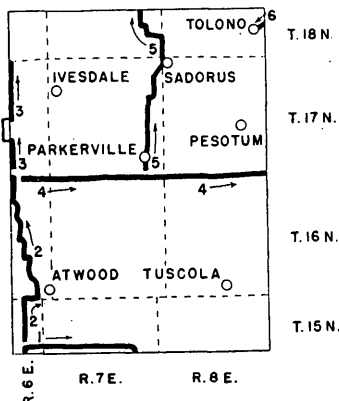


FIGURE 209.—Lines of leveling in Tuscola quadrangle.

1. From point 2.2 miles north and 1 mile west from Arthur along roads north 0.3 mile, thence generally east to point 0.3 mile north of Bourbon (by L. V. Johnson in 1930)

[Continued from Arcola quadrangle, line 5]

Arthur, 2.5 mi. N. thence 1.0 mi. W. from, near NW. cor. sec. 13, T. 15 N., R. 6 E., 20 ft. S. and 40 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 26 F 1929" (recovered in 1935)-----	Feet 665. 776
Reference mark, 0.22 mi. S. of tablet, on SE. wing wall of small bridge; chiseled square (recovered in 1935)-----	663. 48
Arthur, 2.5 mi. N. of, near NW. cor. sec. 18, T. 15 N., R. 7 E., at offset crossroads, 55 ft. N. and 25 ft. E. from junction of T-rd. W., 25 ft. S. and 34 ft. E. from junction of T-rd. E., on concrete head wall of culvert; chiseled square-----	663. 06
Arthur, 2.5 mi. N. thence 0.6 mi. E. from, 700 ft. E. of quarter corner between secs. 7 and 18, T. 15 N., R. 7 E., 20 ft. S. and 22 ft. E. from junction of T-rd. N., 2 ft. E. of gatepost, on large granite boulder; chiseled square-----	663. 79
Arthur, 2.5 mi. N. thence 1.4 mi. E. from, 0.25 mi. W. of quarter corner between secs. 8 and 17, T. 15 N., R. 7 E., 350 ft. NE. of junction of T-rd. S., 450 ft. SW. of junction of T-rd. N., on SW. rock wing wall of steel bridge over Lake Fork Creek; chiseled square-----	651. 26
Arthur, 2.5 mi. N. thence 2.2 mi. E. from, 0.5 mi. N. and 2.9 mi. W. from Bourbon, near N. cor. secs. 8 and 9, T. 15 N., R. 7 E., 20 ft. S. of rd., at fence corner, in concrete post; standard tablet stamped "T T Sta No 27 F 1929"-----	656. 164

Reference mark, 34 ft. N. of tablet, on W. end of corrugated iron culvert under rd. N. through gate; chiseled square-----	<i>Feet</i> 655. 99
Bourbon, 0.5 mi. N. and 2.4 mi. W. from, near S $\frac{1}{4}$ cor. sec. 9, T. 15 N., R. 7 E., 45 ft. N. and 170 ft. E. from crossroads, at edge of churchyard, in root on SE. side of 48-in. walnut tree; copper nail and washer-----	656. 17
Bourbon, 0.5 mi. N. and 1.4 mi. W. from, near S $\frac{1}{4}$ cor. sec. 10, T. 15 N., R. 7 E., 46 ft. N. and 75 ft. W. from junction of T-rd. S., 26 ft. N. of E.-W. fence line, in root on S. side of 40-in. oak tree; copper nail and washer-----	656. 14
Bourbon, 0.5 mi. N. and 0.9 mi. W. from, near SE. cor. sec. 10, T. 15 N., R. 7 E., 15 ft. N. and 13 ft. W. from junction of T-rd. N., on W. end of corrugated-iron culvert; chiseled square-----	656. 70
Bourbon, 0.5 mi. N. and 0.4 mi. W. from, near quarter corner between secs. 11 and 14, T. 15 N., R. 7 E., 12 ft. N. and 46 ft. W. from junction of T-rd. N., on N. head wall of concrete culvert under E.-W. rd.; chiseled square-----	656. 63

[Continued in Arcola quadrangle, line 6]

2. From crossroads 2.5 miles north and 1 mile west from Arthur generally north along roads to point 5.5 miles north and 2 miles west from Atwood (by S. R. Archer in 1935)

Arthur, 3.6 mi. N. and 1.0 mi. W. from, 1.9 mi. S. and 1.5 mi. W. from Atwood, 0.14 mi. N. of crossroads and SW. cor. sec. 1, T. 15 N., R. 6 E., on E. side of rd., in field, in root on W. side of 40-in. cottonwood tree; copper nail and washer-----	670. 44
Atwood, 1.3 mi. S. and 1.5 mi. W. from, near E $\frac{1}{4}$ cor. sec. 2, T. 15 N., R. 6 E., 70 ft. S. of T-rd. W., on W. side of rd., in root on E. side of 30-in. maple tree; copper nail and washer-----	674. 70
Atwood, 0.5 mi. S. thence 1.5 mi. W. from, near NE. cor. sec. 2, T. 15 N., R. 6 E., in SW. corner of junction of U. S. Highway 36, on top of S. head wall of concrete culvert under highway; chiseled square-----	676. 22
Atwood, 0.5 mi. S. thence 0.7 mi. W. from, 0.25 mi. E. of SW. cor. sec. 36, T. 16 N., R. 6 E., 39 ft. N. and 28 ft. W. from junction of T-rd. N., in concrete post; standard tablet stamped "T T 46 E 1929 666"-----	665. 864
Baltimore & Ohio R. R. crossing; top of S. rail-----	661. 9
Atwood, 0.5 mi. N. thence 1.0 mi. W. from, near S. cor. secs. 25 and 26, T. 16 N., R. 6 E., 475 ft. W. of junction of rd. S., 825 ft. E. of T-rd. N., on N. side of rd., 40 ft. W. of culvert under driveway to shed, on top of W. concrete head wall of culvert under driveway to barn lot; chiseled square-----	670. 88
Atwood, 1.5 mi. N. and 1.1 mi. W. from, 0.14 mi. W. of E. cor. secs. 23 and 26, T. 16 N., R. 6 E., in SW. angle of right angle in rd., in field, in root on N. side of 30-in. oak tree; copper nail and washer---	678. 01
Atwood, 2.5 mi. N. and 1.5 mi. W. from, near N $\frac{1}{4}$ cor. sec. 23, T. 16 N., R. 6 E., 20 ft. S. and 32 ft. W. from junction of T-rd. S., in concrete post; standard tablet stamped "T T 47 E 1929 667"-----	666. 584
Atwood, 3.5 mi. N. and 1.8 mi. W. from, 0.25 mi. W. of S $\frac{1}{4}$ cor. sec. 11, T. 16 N., R. 6 E., 200 ft. N. and 54 ft. W. from junction of T-rd. W., in pasture, in root on SE. side of 24-in hickory tree; copper nail and washer-----	669. 06

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Atwood, 4.0 mi. N. and 1.8 mi. W. from, about 0.25 mi. W. of center of sec. 11, T. 16 N., R. 6 E., 400 ft. E. of junction of T-rd. S., 280 ft. W. of junction of T-rd. N., at steel bridge over Lake Fork, on top of E. corner of NE. end of NE. stone wing wall; chiseled square-----	<i>Feet</i> 665.30
Atwood, 5.0 mi. N. and 2.0 mi. W. from, near W $\frac{1}{4}$ cor. sec. 2, T. 16 N., R. 6 E., 180 ft. S. of T-rd. E., on E. side of rd., near middle of front yard of farmhouse, in root on W. side of 24-in. maple tree; copper nail and washer-----	669.64
Atwood, 5.5 mi. N. and 2.0 mi. W. from, near NW. cor. sec. 2, T. 16 N., R. 6 E., at offset crossroads, 20 ft. S. and 40 ft. E. from junction of T-rd. S. (which is 8 ft. E. of junction of T-rd. N.), in concrete post; standard tablet stamped "T T Sta No 41 F 1929 669"-----	669.366

[Continued in Bement quadrangle, line 5]

3. From point 5.5 miles north and 2 miles west from Atwood generally north along roads to point 0.5 mile north and 2.5 miles west from Ivesdale (by S. R. Archer in 1935)

Atwood, 6.3 mi. N. and 2.0 mi. W. from, 2.2 mi. S. and 4.0 mi. E. from Bement, 0.15 mi. S. of NW. cor. sec. 35, T. 17 N., R. 6 E., 800 ft. S. of crossroads, on E. side of rd., inside fence, 40 ft. W. of NW. corner of barn, in root on W. side of 24-in. maple tree, westernmost of two trees standing 12 ft. apart; copper nail and washer-----	674.94
Bement, 1.0 mi. S. and 4.0 mi. E. from, near SE. cor. sec. 22, T. 17 N., R. 6 E., 70 ft. W. of junction of T-rd. S., at W. concrete abutment of bridge over drainage ditch, 3.5 ft. NW. of NW. corner of bridge, on top of N. wing wall; chiseled square-----	672.21

[Jogs into Bement quadrangle, line 6]

Bement, 4.0 mi. E. of, 1.5 mi. S. and 2.5 mi. W. from Ivesdale, near NW. cor. sec. 23, T. 17 N., R. 6 E., 30 ft. S. and 35 ft. E. from junction of T-rd. N., in NW. corner of barn lot, in root on W. side of westernmost of two maple trees standing 20 ft. apart; copper nail and washer-----	672.23
Ivesdale, 0.7 mi. S. and 2.5 mi. W. from, 0.18 mi. S. of N. cor. secs. 14 and 15, T. 17 N., R. 6 E., about 950 ft. S. of crossroads, at highway bridge over Lake Fork, on top of W. end of S. stone abutment; chiseled square-----	673.58
Wabash Ry. crossing; top of S. rail of S. track-----	675.7
Ivesdale, 0.5 mi. N. and 2.5 mi. W. from, 4.0 mi. E. thence 2.0 mi. N. from Bement, near SW. cor. sec. 2, T. 17 N., R. 6 E., in NE. angle of offset crossroads, 24 ft. N. and 3 ft. E. from junction of rd. S., 24 ft. N. and 30 ft. E. from junction of rd. N., 1 ft. S. of fence line, in concrete post; standard tablet stamped "T T 49 E 1929 675"-----	674.810

[Continued in Bement quadrangle, line 7]

4. From point 5.5 miles north and 2 miles west from Atwood east along township-line road to point 2.5 miles south and 1.3 miles east from Pesotum (by S. R. Archer in 1935)

Atwood, 5.5 mi. N. and 0.8 mi. W. from, 0.25 mi. E. of SW. cor. sec. 36, T. 17 N., R. 6 E., 25 ft. N. and 35 ft. E. from crossroads, in root on SE. side of 12-in. walnut tree; copper nail and washer-----	673.39
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------

Atwood, 5.5 mi. N. of, at corner of Champaign, Douglas, and Piatt Counties, near SW. cor. sec. 31, T. 17 N., R. 7 E., in NE. corner of crossroads, on top of N. head wall of concrete culvert under rd. E.; chiseled square-----	<i>Feet</i> 671. 50
Atwood, 5.5 mi. N. and 1.0 mi. E. from, 1.0 mi. S. thence 4.0 mi. W. from Parkerville, near NW. cor. sec. 5, T. 16 N., R. 7 E., 20 ft. S. and 50 ft. E. from junction of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 42 F 1929 683"-----	683. 501
Parkerville, 1.0 mi. S. thence 3.0 mi. W. from, near NE. cor. sec. 5, T. 16 N., R. 7 E., 365 ft. S. of crossroads, on W. side of rd., in barn lot, in root on NE. side of 30-in. elm tree; copper nail and washer-----	681. 53
Parkerville, 1.0 mi. S. thence 2.0 mi. W. from, near NE. cor. sec. 4, T. 16 N., R. 7 E., at offset crossroads, 180 ft. W. of junction of rd. S., 255 ft. W. of junction of rd. N., on S. side of rd., on E. side of barn, on top of W. (upper) end at N. side of concrete incline to large entrance to barn; chiseled square-----	688. 64
Parkerville, 1.0 mi. S. thence 1.5 mi. W. from, 20 ft. S. and 35 ft. E. from junction of T-rd. S. and N¼ cor. sec. 3, T. 16 N., R. 7 E., 20 ft. S. and 45 ft. W. from junction of T-rd. N. and S¼ cor. sec. 34, T. 17 N., R. 7 E., in concrete post; standard tablet stamped "T T Sta No 43 F 1929 682"-----	681. 829
Parkerville, 1.0 mi. S. thence 0.8 mi. W. from, 840 ft. E. of NW. cor. sec. 2, T. 16 N., R. 7 E., 840 ft. E. of junction of T-rd. N., on top of E. end of S. head wall of concrete culvert; chiseled square-----	672. 55
Parkerville, 1.0 mi. S. thence 0.4 mi. W. from, near quarter corner between secs. 2 and 35, Tps. 16 and 17 N., R. 7 E., at bridge over Kaskaskia River, on top of NE. end of N. wing wall of E. stone abutment; chiseled square-----	665. 05
Parkerville, 1.0 mi. S. of, near SE. cor. sec. 35, T. 17 N., R. 7 E., 85 ft. N. and 140 ft. W. from junction of T-rd. N., at E. edge of timber, in root on SE. side of 12-in. hickory tree; copper nail and washer-----	675. 39
Parkerville, 1.0 mi. S. thence 1.0 mi. E. from, 2.5 mi. S. thence 4.0 mi. W. from Pesotum, near cor. secs. 1, 6, 31, and 36, Tps. 16 and 17 N., Rs. 7 and 8 E., 20 ft. S. of center line of rd., at fence corner, in concrete post; standard tablet stamped "T T Sta No 44 F 1929 685"-----	684. 932
Pesotum, 2.5 mi. S. thence 3.3 mi. W. from, 0.13 mi. E. of S¼ cor. sec. 31, T. 17 N., R. 8 E., 70 ft. E. of fence line S., on N. side of rd., 720 ft. W. of farmhouse on S. side of rd., 33 ft. E. of pipe drain under rd., under iron grating, on top of S. side of top of circular catch basin opening for underground drainage; chiseled square-----	679. 39
Pesotum, 2.5 mi. S. thence 1.7 mi. W. from, 0.25 mi. W. of quarter corner between secs. 4 and 33, Tps. 16 and 17 N., R. 8 E., at W. end of NW. wing wall of bridge, on top of vertical I-beam; chiseled square-----	676. 41
Pesotum, 2.5 mi. S. thence 1.0 mi. W. from, 25 ft. S. and 105 ft. W. from probable N. cor. secs. 3 and 4, T. 16 N., R. 8 E., 25 ft. S. and 70 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 45 F 1929 687"-----	687. 435
Illinois Central R. R. crossing; top of W. rail of E. track-----	701. 7
Pesotum, 2.5 mi. S. of, near NW. cor. sec. 2, T. 16 N., R. 8 E., in SE. angle of crossroads, 1 ft. NW. of fence corner, on large rock; chiseled square-----	700. 69

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Pesotum, 2.5 mi. S. thence 1.0 mi. E. from, near NW. cor. sec. 1, T. 16 N., R 8 E., in SE. angle of crossroads, at fence corner, on top of NW. side of concrete base of corner fence post; chiseled square-----	<i>Feet</i> 708. 25
[Connects with line 3 in Camargo quadrangle]	
5. From road junction 1 mile south of Parkerville generally north along roads to point 2.4 miles north and 1 mile west from Sadorus (by S. R. Archer in 1935)	
Parkerville, 0.2 mi. E. of, 4.9 mi. S. and 0.8 mi. W. from Sadorus, 0.25 mi. E. of W. cor. secs. 25 and 36, T. 17 N., R. 7 E, 30 ft. N. and 140 ft. W. from junction of T-rd. W., 10 ft. N. of fence at SW. corner of old building, in root on S. side of 12-in. walnut tree; copper nail and washer-----	675. 73
Sadorus, 3.9 mi. S. and 0.8 mi. W. from, 0.25 mi. W. of S¼ cor. sec. 24, T. 17 N., R. 7 E., at NE. corner of crossroads, on top of N. side of circular concrete rim of drainage catch basin with iron grating at top; chiseled square-----	681. 55
Sadorus, 2.9 mi. S. and 0.8 mi. W. from, 0.25 mi. W. of S¼ cor. sec. 13, T. 17 N., R. 7 E., 5 ft. N. and 20 ft. E. from junction of T-rd. W., 5 ft. N. of fence corner; standard iron post with bronze cap stamped "678"-----	677. 953
Sadorus, 1.9 mi. S. and 0.5 mi. W. from, near N¼ cor. sec. 13, T. 17 N., R. 7 E., 45 ft. S. of junction of T-rd. N., on W. side of driveway, in root on N. side of 12-in. walnut tree, northernmost in row of trees; copper nail and washer-----	699. 92
Sadorus, 0.9 mi. S. and 0.5 mi. W. from, near quarter corner between secs. 1 and 12, T. 17 N., R. 7 E., in SW. corner of junction of T-rd. S., on top of N. end of W. head wall of concrete culvert under rd. S.; chiseled square-----	685. 35
Sadorus, 0.7 mi. SW. of, near E. side sec. 1, T. 17 N., R. 7 E., 450 ft. NE. of point where E.-W. quarter line of section crosses State highway, about midway of reverse curve, on top of N. end of E. head wall of concrete culvert under highway; chiseled square--	686. 97
Sadorus, near center of town, at NW. corner of main street intersection, at SE. corner of yard of Town Hall, 8 ft. W. of inside corner of walks, in concrete post; U. S. C. & G. S. and State Survey standard tablet stamped "690"-----	690. 360
Sadorus, 0.6 mi. N. of, near E¼ cor. sec. 36, T. 18 N., R. 7 E., on top of W. wing wall of S. concrete abutment of highway bridge; chiseled square-----	679. 30
Sadorus, 1.1 mi. N. of, near NW cor. sec. 31, T. 18 N., R. 8 E., in SE. angle of crossroads, in fence corner, in root on W. side of 30-in. elm tree; copper nail and washer-----	684. 24
Sadorus, 1.1 mi. N. and 0.8 mi. W. from, 0.25 mi. W. of quarter corner between secs. 25 and 36, T. 18 N., R. 7 E., 60 ft. E. of junction of T-rd. N., on S. side of rd., on top of N. end of E. head wall of concrete culvert under driveway to farmhouse; chiseled square-----	688. 12
Sadorus, 2.1 mi. N. and 1.0 mi. W. from, near SE. cor. sec. 23, T. 18 N., R. 7 E., 23 ft. N. and 40 ft. W. from crossroads, near SE. corner of barn lot, 15 ft. W. of maple tree; standard iron post with bronze cap stamped "Prim Trav Sta No 13 1905 701"-----	701. 047

[Continued in Mahomet quadrangle, line 11]

6. Southwest along road about 0.5 mile to Tolono (by S. R. Archer in 1935; spur line leveled twice)

[Connects with line 4 in Camargo quadrangle]

Tolono, in SE. corner of lot of Commercial Hotel, 185 ft. S. $28^{\circ}30'$ W. from SE. corner of store of C. H. Bell, 108 ft. S. 4° W. from SE. corner of hotel; standard iron post with bronze cap stamped "Prim Trav Sta No 2 1905 731"-----

Feet

731. 275

URBANA QUADRANGLE

[Latitude 40°00'–40°15'; longitude 88°00'–88°15']

CHAMPAIGN COUNTY

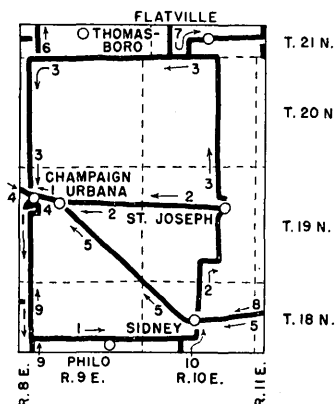


FIGURE 210.—Lines of leveling in Urbana quadrangle.

1. From Urbana along roads west to Champaign, thence south to crossroads 0.3 mile north and 4 miles west from Philo, thence east 9 miles, thence north 0.9 mile to Sidney (by R. C. Howard in 1905)

Urbana, at University of Illinois, about 53 ft. SE. of SE. corner of Engineering Building; standard iron post with bronze cap stamped "Prim Trav Sta No 1 F 1905" (recovered by first-order leveling in 1905 and designated "F 1"; recovered in 1906 and designated "Z 4") ⁵⁵	Feet 720.540
Champaign, at Cleveland, Cincinnati, Chicago & St. Louis Ry. bridge, just E. of intersection of Illinois Central R. R., on SW. corner of W. abutment; chiseled mark	733.70
Champaign, 2.6 mi. S. of, near E. cor. secs. 24 and 25, T. 19 N., R. 8 E., at NW. corner of bridge over small stream, on N. abutment; chiseled mark	711.84
Champaign, 4.6 mi. S. of, 0.7 mi. E. of Savoy, near SW. cor. sec. 31, T. 19 N., R. 9 E., in NE. angle of crossroads; standard iron post with bronze cap stamped "1905 717" (recovered in 1935)	716.998
Champaign, 5.6 mi. S. of, at cor. secs. 1, 6, 7, and 12, T. 18 N., Rs. 8 and 9 E., on stone marking section corner; chiseled mark	716.90
Champaign, 7.6 mi. S. thence 1.2 mi. E. from, 0.3 mi. N. thence 2.8 mi. W. from Philo, about 0.2 mi. E. of SW. cor. sec. 17, T. 18 N., R. 9 E., at N. side of bridge over Embarrass River, in E. abutment; aluminum tablet stamped "1905 680" ⁵⁵	679.928

⁵⁵ In 1935 this bench mark was reported destroyed.

Philo, at Philo Exchange Bank, in E. side of water table, 12 ft. S. of N. wall; aluminum tablet stamped "1905 737"-----	<i>Feet</i> 736. 492
Sidney, at SW. corner of Sidney High School, in S. face; aluminum tablet stamped "1905 673" (recovered in 1906 by first-order leveling and designated "V 4"; recovered in 1935)-----	671. 911
2. From Sidney alternately north and east along roads to St. Joseph, thence west along Cleveland, Cincinnati, Chicago & St. Louis Railway to Urbana (by R. C. Howard in 1905)	
Sidney, 3.1 mi. N. of, near cor. secs. 27, 28, 33, and 34, T. 19 N., R. 10 E., at E. side of bridge, on S. abutment; chiseled mark-----	657. 19
Sidney, 3.1 mi. N. thence 0.2 mi. E. from, 2.9 mi. S. and 1.1 mi. W. from St. Joseph, 0.25 mi. E. of SW. cor. sec. 27, T. 19 N., R. 10 E., at iron bridge over Salt Fork, in W. side of S. abutment; aluminum tablet stamped "1905 655"-----	654. 864
St. Joseph, 0.6 mi. W. of, in NE $\frac{1}{4}$ sec. 15, T. 19 N., R. 10 E., at bridge over Salt River, in N. side of W. abutment; aluminum tablet stamped "1905 663"-----	662. 484
St. Joseph, 3.4 mi. W. of, 0.1 mi. E. of Mayview, near cor. secs. 7, 8, 17, and 18, T. 19 N., R. 10 E., in W. side of concrete right-of-way post marked "P. and E. Property Line"; aluminum tablet stamped "1905 681" ⁵⁶ -----	680. 447
Mayview, 3.0 mi. W. of, about 2.0 mi. E. of Urbana, near cor. secs. 10, 11, 14, and 15, T. 19 N., R. 9 E., in E. side of right-of-way post; aluminum tablet stamped "1905 711"-----	707. 471
3. From point 0.6 mile west of St. Joseph along roads east 0.6 mile, thence north to point 1 mile south and 0.6 mile east from Flatville, thence west to point 1.3 miles south and 3 miles west from Thomasboro, thence south to Champaign (by R. C. Howard in 1905)	
St. Joseph, 4.8 mi. N. and 0.4 mi. W. from, 4.1 mi. S. and 0.6 mi. E. from Flatville, near E $\frac{1}{4}$ cor. sec. 22, T. 20 N., R. 10 E., on W. side of rd., at farmhouse of B. F. Youman, in S. wall of brick foundation; aluminum tablet stamped "1905 676"-----	675. 700
Flatville, 1.9 mi. S. and 0.6 mi. W. from, 0.25 mi. S. of NW. cor. sec. 11, T. 20 N., R. 10 E., on E. side of rd., at farmhouse of Henry Dintsman, in S. side of brick foundation; aluminum tablet stamped "1905 677"-----	677. 050
Flatville, 1.0 mi. S. thence 2.0 mi. W. from, 1.3 mi. S. thence 4.5 mi. E. from Thomasboro, near SW. cor. sec. 32, T. 21 N., R. 10 E., in W. side of N. abutment of bridge; aluminum tablet stamped "1905 688" (recovered in 1924)-----	687. 269
Thomasboro, 1.3 mi. S. thence 3.0 mi. W. from, 2.4 mi. N. and 1.5 mi. W. from Leverett, near S $\frac{1}{4}$ cor. sec. 36, T. 21 N., R. 8 E., 400 ft. N. and 200 ft. W. from junction of T-rd. S., at S. side of farmhouse of J. W. James, in face of brick foundation; aluminum tablet stamped "1905 748" (recovered in 1924)-----	747. 857
Leverett, 0.4 mi. N. and 1.5 mi. W. from, 5.0 mi. N. of Champaign, 0.1 mi. N. of E $\frac{1}{4}$ cor. sec. 13, T. 20 N., R. 8 E., in W. side of N. abutment of bridge; aluminum tablet stamped "1905 728"-----	727. 344

⁵⁶ In 1928 this bench mark was reported destroyed.

1256 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

4. From Champaign east along Cleveland, Cincinnati, Chicago & St. Louis Railway to Urbana (by E. L. McNair in 1905; first-order leveling)

[Continued from Mahomet quadrangle, line 2]

Urbana, at University of Illinois, on S. side on E. entrance to Engineering Building, in wall, 18 in. above ground; aluminum tablet stamped "G 1" (recovered by first-order leveling in 1906)-----	Feet 722. 210
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5. From point 2.2 miles west of Homer along Wabash Railway west to Sidney, thence northwest to Urbana (by T. A. Green in 1906; first-order leveling)

[Continued from Fithian quadrangle, line 1]

Homer, 3.6 mi. W. of, 2.4 mi. E. of Sidney, in SW $\frac{1}{4}$ sec. 12, T. 18 N., R. 10 E., 45 ft. N. of milepost "St. L. 163-Det 365," 35 ft. N. of track, in field, 6 ft. N. of right-of-way fence; standard iron post with bronze cap designated "U 4" (recovered in 1930)-----	667. 459
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Sidney, 0.7 mi. E. of, near quarter corner between secs. 10 and 15, T. 18 N., R. 10 E., on N. side of NW. abutment of R. R. bridge over Chicago & Eastern Illinois Ry., on second tier of concrete; chiseled square-----	681. 54
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Sidney, at front entrance of Sidney High School, on SW. corner of stone step, level with brick pavement; chiseled cross-----	670. 07
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Deers, 70 ft. N. of post office and store of F. C. Edwards, 65 ft. W. of track, 25 ft. S. of rd., at NE. corner of barn; standard iron post with bronze cap stamped "1906 691" and designated "W 4"-----	691. 475
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Mira, 30 ft. W. of track, 30 ft. S. of rd., 3 ft. W. of fence corner; standard iron post with bronze cap stamped "1906 695" and designated "X 4"-----	695. 520
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Urbana, 1,059 ft. E. of Wabash Ry. sta., 220 ft. N. of track, 45 ft. S. of Cleveland, Cincinnati, Chicago & St. Louis Ry. track, in SW. corner of stone culvert under C. C. C. & St. L. Ry.; aluminum tablet stamped "1906 704" and designated "Y 4"-----	704. 077
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6. From point 1.3 miles south and 3 miles west from Thomasboro along roads east 0.5 mile, thence north 1.8 miles (by S. R. Archer in 1924)

Thomasboro, 0.3 mi. S. thence 2.5 mi. W. from, near NE. cor. sec. 36, T. 21 N., R. 8 E., 30 ft. S. and 25 ft. W. from crossroads, 5 ft. S. of fence corner; standard iron post with bronze cap stamped "Prim Trav Sta No 8 1905 744"-----	743. 649
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Reference mark, 0.19 mi. N. of iron post, at S. concrete abutment of highway bridge, on W. wing wall; chiseled square-----	742. 71
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[Continued in Paxton quadrangle, line 1]

7. From point 0.5 mile north and 4.5 miles each from Thomasboro along roads south to road junction 1 mile south and 2 miles west from Flatville, thence alternately east and north to point 3.8 miles south and 1 mile east from Gifford (by W. R. Broadus in 1924)

[Continued from Paxton quadrangle, line 3]

Salt Fork, 0.1 mi. S. of quarter corner between secs. 29 and 30, T. 21 N., R. 10 E., under bridge; surface of water Aug. 29, 1924-----	680. 2
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Thomasboro, 0.3 mi. S. thence 4.5 mi. E. from, 2.0 mi. W. of Flatville, near SE. cor. sec. 30, T. 21 N., R. 10 E., in NW. angle of crossroads, 10 ft. W. of fence corner, in root on S. side of 6-in. hedge tree; copper nail and washer-----	693. 68
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Salt Fork, near SE. cor. sec. 32, T. 21 N., R. 10 E., under bridge; surface of water Aug. 30, 1924-----	<i>Feet</i> 675. 6
Flatville, 1.0 mi. W. thence 0.9 mi. S. from, 640 ft. N. of SE. cor. sec. 32, T. 21 N., R. 10 E., 25 ft. W. of rd., in root on E. side of 30-in. maple tree; copper nail and washer-----	681. 14
Flatville, 1.0 mi. W. of, 330 ft. N. of SW. cor. sec. 28, T. 21 N., R. 10 E., on E. side of rd., in root on SW. side of 54-in. cottonwood tree; copper nail and washer-----	685. 54
Flatville, at Flatville School, 30 ft. S. and 42 ft. W. from crossroads, 59 ft. N. of front entrance of schoolhouse, in concrete post; standard tablet stamped "2 B 1924"-----	685. 525
Reference mark, 90.4 ft. N.55°W. from tablet, in root on S. side of 14-in. maple tree; copper nail and washer-----	684. 70
Flatville, 1.0 mi. E. of, near SW. cor. sec. 26, T. 21 N., R. 10 E., 50 ft. N. and 27 ft. E. from crossroads, in root on NW. side of 15-in. boxelder tree; copper nail and washer-----	687. 70
Flatville, 2.0 mi. E. of, 4.5 mi. S. of Gifford, near SE. cor. sec. 26, T. 21 N., R. 10 E., 35 ft. N. and 30 ft. W. from crossroads, in SE. corner of schoolyard, in root on S. side of 15-in. boxelder tree; copper nail and washer (recovered in 1930)-----	686. 21
Flatville, 3.0 mi. E. of, 4.5 mi. S. thence 1.0 mi. E. from Gifford, near SE. cor. sec. 25, T. 21 N., R. 10 E., 36 ft. N. and 36 ft. W. from crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 6 1905" (recovered in 1930) ⁶⁷ -----	738. 167
Reference mark, 68 ft. N. of iron post, in root on NE. side of 24-in maple tree; copper nail and washer (recovered in 1930)-----	740. 24
[Continued in Paxton quadrangle, line 4]	
8. From point 2.2 miles west of Homer west along Wabash Railway 1.4 miles (by G. W. Moore in 1930)	
[Connects with line 2 in Fithian quadrangle]	
Homer, 2.8 mi. W. of, 3.2 mi. E. of Sidney, 0.3 mi. N. of SW. cor. sec. 7, T. 18 N., R. 11 E., 70 ft. S. and 135 ft. E. from intersection of range-line rd., in field, in root on N. side of 18-in. apple tree; copper nail and washer-----	671. 61
9. From point 1.1 miles north and 1 mile east from Tolono north along range-line road to road intersection 4.6 miles south of Champaign (by S. R. Archer in 1935)	
[Continued from Camargo quadrangle, line 4]	
Tolono, 1.8 mi. N. and 1.0 mi. E. from, 7.6 mi. S. of Champaign, near NW. cor. sec. 19, T. 18 N., R. 9 E., 30 ft. S. and 45 ft. E. from crossroads, 18 ft. E. of fence corner, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "719"-----	719. 711
Reference mark, 38 ft. S. and 95 ft. W. from crossroads, in root on SE. side of 24-in. boxelder tree; copper nail and washer-----	722. 86
Champaign, 6.5 mi. S. of, 650 ft. N. of SE. cor. sec. 12, T. 18 N., R. 8 E., 650 ft. N. of junction of T-rd. E., 70 ft. W. of rd., in front of farmhouse, in root on NE. side of 30-in. maple tree; copper nail and washer-----	718. 60
Champaign, 5.6 mi. S. of, 0.7 mi. E. thence 1.0 mi. S. from Savoy, near NW. cor. sec. 7, T. 18 N., R. 9 E., 260 ft. S. of crossroads, 40 ft. E. of rd., in SW. corner of yard of residence, in root on SE. side of 24-in. maple tree; copper nail and washer-----	721. 14

⁶⁷ This bench mark was raised 0.360 ft. by frost. The figures given represent the new elevation.

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10. From point 1.6 miles south and 1 mile west from Sidney
alternately north and east along roads to Sidney (by S. R.
Archer in 1935)

[Continued from Camargo quadrangle, line 5]

Sidney, 0.8 mi. S. thence 1.0 mi. W. from, near NE. cor. sec. 20, T. 18 N.,
R. 10 E., 210 ft. W. of junction of E.-W. rd., on SE. concrete wing
wall of bridge; chiseled square-----

Feet
664.40

WATSEKA QUADRANGLE

[Latitude 40°45'–41°00'; longitude 87°30'–87°45']

IROQUOIS COUNTY

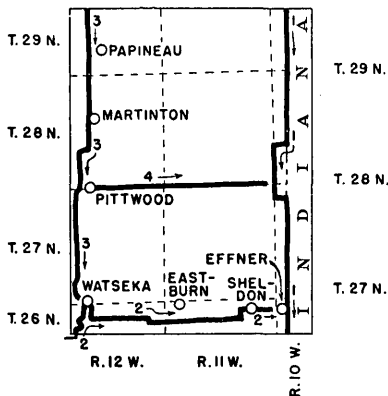


FIGURE 211.—Lines of leveling in Watseka quadrangle.

1. From point 0.7 mile south of east corner of Iroquois and Kankakee Counties south along Illinois-Indiana State-line road and parallel road to point 1.4 miles south of Effner (by R. Whitford in 1934)

[Continued from Momence quadrangle, line 7]

T. 29 N., R. 10 W., near NW. cor. sec. 1, 300 ft. S. and 6 ft. E. from junction of T-rd. E., in root on W. side of 12-in. oak tree; nail ⁵⁹ -----	Feet 660. 87
T. 29 N., R. 10 W., near NE. cor. sec. 19, 26 ft. W. of center line of rd., 150 ft. N. of N. end of drainage ditch, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "20 1 1934"-----	662. 477
T. 29 N., R. 10 W., near SE. cor. sec. 19, 75 ft. N. and 23 ft. W. from junction of T-rd. W., in root on E. side of willow tree; nail-----	648. 79
T. 29 N., R. 10 W., 0.2 mi. S. of NW. cor. sec. 13, 30 ft. E. of junction of T-rd. W.; standard iron post with bronze cap stamped "Prim Trav Sta No 69 W 1921" ⁵⁹ -----	658. 454
T. 28 N., R. 10 W., near NE. cor. sec. 6, 260 ft. S. of line fence W., in W. bridge seat of S. concrete abutment of bridge over Beaver Creek, 12 in. W. of W. edge of iron bearing plate; monel-metal rivet-----	651. 24
T. 28 N., R. 10 W., near NE. cor. sec. 7, 15 ft. W. of stone marking section corner, 50 ft. S. of E-W. line fence, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "20 2 1934"-----	662. 700
T. 28 N., R. 10 W., near NE. cor. sec. 18, 21 ft. W. of rd., 6 ft. S. of line fence W., in root on E. side of 12-in oak tree; nail-----	678. 80

⁵⁹ This bench mark is in Indiana.

T. 28 N., R. 10 W., 0.2 mi. S. of NW. cor. sec. 2, 2 ft. N. and 25 ft. E. from stone marking E. cor. secs. 18 and 19, T. 28 N., R. 10 W., at junction of T-rd. W.; standard iron post with bronze cap stamped "Prim Trav Sta No 68 W 1921" ^{a1} -----	<i>Feet</i> 687. 872
T. 28 N., R. 10 W., near SE. cor. sec. 19, 45 ft. N. and 25 ft. W. from junction of T-rd. W., in root on W. side of 12-in. elm tree; nail-----	690. 56
T. 28 N., R. 10 W., near SW. cor. sec. 19, 24 ft. N. and 115 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "20 3 1934"-----	705. 700
T. 28 N., R. 10 W., near SW. cor. sec. 30, 135 ft. N. and 22 ft. E. from junction of T-rd. E., at base of fence post, 3 in. underground; top of 30-in. iron pipe-----	691. 28
T. 28 N., R. 10 W., near SW. cor. sec. 31, 10 ft. N. and 20 ft. E. from junction of T-rd. W., in concrete post; standard tablet stamped "Prim Trav Sta No 67 W 1921"-----	666. 957
T. 27 N., R. 10 W., 0.25 mi. S. of center of sec. 6, 24 ft. N. of center line of E.-W. rd., on E. side of gate to barnyard, 200 ft. E. of fence line N., in root on S. side of 16-in. elm tree; nail-----	663. 45
T. 28 N., R. 10 W., near NE. cor. sec. 26, 36 ft. S. and 18 ft. E. from junction of T-rd. E., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "20 4 1934" ^{a1} -----	661. 435
T. 27 N., R. 10 W., near NW. cor. sec. 2, 16 ft. N. and 16 ft. E. from junction of T-rd. W.; standard iron post with bronze cap stamped "Prim Trav Sta No 70 W 1921" ^{a1} -----	661. 706
T. 27 N., R. 10 W., 0.1 mi. N. of SE. cor. sec. 30, 220 ft. N. and 21 ft. W. from junction of T-rd. W., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "20 5 1934" ^{a2} -----	658. 575
Sheldon, 0.5 mi. N. and 2.0 mi. E. from, 0.5 mi. N. of Effner, Ind., near NE. cor. sec. 6, T. 26 N., R. 10 W., 40 ft. S. and 16 ft. W. from junction of T-rd. W.; standard iron post with bronze cap stamped "Prim Trav Sta No 71 W 1921" ^{a2} -----	673. 212
Sheldon, 0.4 mi. S. and 2.0 mi. E. from, 0.4 mi. S. of Effner, Ind., 0.1 mi. S. of NW. cor. sec. 26, T. 27 N., R. 10 W., 40 ft. E. of center line of rd. in line with fence W., in root on W. side of 16-in. hedge tree; nail ^{a1} -----	677. 20

[Continued in Milford quadrangle, line 6]

2. From point 1.8 miles south and 0.7 mile west from Watseka northeast to Watseka, thence south 1 mile, thence generally east by way of Sheldon to road junction 0.5 mile north of Effner, Ind. (by E. H. Lewis in 1934)

[Connects with line 4 in Milford quadrangle]

Watseka, 1.5 mi. SW. of, 0.15 mi. S. of N $\frac{1}{4}$ cor. sec. 8, T. 26 N., R. 12 W., 0.25 mi. SE. of bridge over Sugar Creek, 380 ft. N. of junction of T-rd. N., in E. head wall of concrete culvert; monel-metal rivet-----	633. 29
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^{a1} This bench mark is in Indiana.

^{a2} In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "F 41 1934," elevation 080.241 ft.

Watseka, at SE. corner of intersection of Mulberry Street and Chicago & Eastern Illinois Ry. tracks, 33 ft. S. of center line of street, 27 ft. E. of center line of E. track, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 20 1934" ⁶³ -----	Feet 636.232
Watseka, at SE. corner of intersection of Mulberry and Fourth Streets, 8 ft. E. of E. edge of cement sidewalk along Fourth Street, 2.5 ft. from S. edge of sidewalk along Mulberry Street, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 21 1934"-----	637.786
Watseka, 1.0 mi. S. and 1.1 mi. E. from, 0.25 mi. S. and 0.23 mi. E. from center of sec. 4, T. 26 N., R. 12 W., 0.27 mi. W. of junction of T-rd. S., 22 ft. N. of center line of rd., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 10 1934"-----	636.902
Watseka, 1.0 mi. S. and 1.4 mi. E. from, 0.25 mi. S. of W $\frac{1}{4}$ cor. sec. 3, T. 26 N., R. 12 W., 25 ft. S. and 125 ft. E. from junction of T-rd. S., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 9 1934"-----	632.077
Watseka, 1.0 mi. S. and 2.0 mi. E. from, near center of SE $\frac{1}{4}$ sec. 3, T. 26 N., R. 12 W., 548 ft. W. of crossroads, in top of S. head wall of concrete culvert; monel-metal rivet-----	647.40
Watseka, 1.0 mi. S. and 3.4 mi. E. from, 0.25 mi. N. of SW. cor. sec. 1, T. 26 N., R. 12 W., 25 ft. E. of junction of T-rd. W., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 8 1934"-----	674.806
Watseka, 1.2 mi. S. and 3.4 mi. E. from, near SE. cor. sec. 2, T. 26 N., R. 12 W., 40 ft. N. and 22 ft. W. from right angle in rd., at fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 7 1934"-----	674.300
Watseka, 1.2 mi. S. and 4.3 mi. E. from, 0.9 mi. S. and 1.0 mi. W. from Eastburn, 0.9 mi. W. of SE. cor. sec. 1, T. 26 N., R. 12 W., 470 ft. W. of crossroads, in top of N. head wall of concrete culvert; monel-metal rivet-----	680.04
Eastburn, 0.9 mi. S. of, 0.21 mi. W. of NE. cor. sec. 7, T. 26 N., R. 11 W., 130 ft. W. of junction of T-rd. N., 20 ft. S. of rd., at S. fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 6 1934"-----	678.471
Eastburn, 0.9 mi. S. and 0.1 mi. E. from, near SW. cor. sec. 5, T. 26 N., R. 11 W., 20 ft. N. and 105 ft. E. from junction of T-rd. S., at N. fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 5 1934"-----	671.277
Eastburn, 0.9 mi. S. and 1.1 mi. E. from, 0.5 mi. S. and 2.6 mi. W. from Sheldon, near SE. cor. sec. 5, T. 26 N., R. 11 W., 33 ft. N. and 200 ft. W. from crossroads, in SE. corner of yard, in root on S. side of maple tree; spike-----	681.08
Sheldon, 0.5 mi. S. and 1.6 mi. W. from, near NW. cor. sec. 10, T. 26 N., R. 11 W., 20 ft. S. and 80 ft. E. from crossroads, at fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 4 1934"-----	687.374
Sheldon, 0.5 mi. S. and 1.3 mi. W. from, 0.25 mi. E. of SW. cor. sec. 3, T. 26 N., R. 11 W., 22 ft. N. of rd., at N. fence line, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 3 1934"-----	686.606

⁶³ In 1936 this bench mark was tied to U. S. C. & G. S. standard disk stamped "M 41 1935," elevation 637.023 ft.

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Sheldon, 0.5 mi. W. of, 0.1 mi. S. of E $\frac{1}{4}$ cor. sec. 3, T. 26 N., R. 11 W., 500 ft. S. and 30 ft. W. from junction of T-rd. E., at NE. corner of yard, in root of tree; spike-----	Feet 682.03
Sheldon, 0.5 mi. E. of, near W $\frac{1}{4}$ cor. sec. 1, T. 26 N., R. 11 W., 30 ft. N. and 100 ft. E. from crossroads, on N. side of U. S. Highway 24, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 2 1934"-----	679.496
Sheldon, 0.8 mi. E. of, 0.24 mi. W. of center of sec. 1, T. 26 N., R. 11 W., 27 ft. N. of center line of U. S. Highway 24, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "18 1 1934" (recovered by U. S. C. & G. S. in 1935)-----	683.375
3. From point 1.6 miles south and 1 mile west from St. Anne south along Dixie Highway to Watseka (by F. W. Butterfield in 1934)	
[Continued from Momence quadrangle, line 6]	
St. Anne, 1.9 mi. S. and 1.0 mi. W. from, 1.7 mi. N. and 0.7 mi. W. from Papineau, 0.17 mi. N. of SE. cor. sec. 17, T. 29 N., R. 12 W., 900 ft. N. of crossroads, 30 ft. W. of highway, 40 ft. S. of farmhouse, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 4 1934"-----	631.926
Papineau, 1.5 mi. N. and 0.7 mi. W. from, near SW. cor. sec. 16, T. 29 N., R. 12 W., 100 ft. N. and 30 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 5 1934"-----	625.173
Papineau, 0.7 mi. N. and 0.7 mi. W. from, 0.25 mi. N. of SW. cor. sec. 21, T. 29 N., R. 12 W., at concrete bridge over Beaver Creek, on top of E. parapet of N. abutment; monel-metal rivet-----	623.04
Papineau, 0.7 mi. W. of, near W $\frac{1}{4}$ cor. sec. 28, T. 29 N., R. 12 W., 80 ft. S. and 45 ft. E. from crossroads, on W. side of triangle, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 6 1934"-----	622.316
Papineau, 0.7 mi. W. thence 0.2 mi. S. from, 0.24 mi. N. of SE. cor. sec. 29, T. 29 N., R. 12 W., on W. side of highway, 15 ft. N. and 60 ft. W. from 36-in. tree, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 7 1934"-----	627.687
Papineau, 0.7 mi. W. thence 1.2 mi. S. from, 0.25 mi. N. of SW. cor. sec. 33, T. 29 N., R. 12 W., in top of E. head wall of concrete culvert; monel-metal rivet-----	635.09
Papineau, 0.7 mi. W. thence 1.5 mi. S. from, 2.2 mi. N. of Martinton, near W. cor. secs. 4 and 33, Tps. 28 and 29 N., R. 12 W., 42 ft. E. of junction of T-rd. W., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 8 1934"-----	632.928
Martinton, 2.0 mi. N. of, 0.25 mi. S. of NE. cor. sec. 5, T. 28 N., R. 12 W., 25 ft. S. and 30 ft. W. from junction of T-rd. E., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 9 1934"-----	634.023
Martinton, 1.2 mi. N. of, near SE. cor. sec. 5, T. 28 N., R. 12 W., 18 ft. N. of section line, on W. side of highway, in top of N. head wall of concrete culvert; monel-metal rivet-----	633.08
Martinton, 0.2 mi. N. of, near NW. cor. sec. 16, T. 28 N., R. 12 W., 30 ft. S. and 45 ft. E. from junction of T-rd. E., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 10 1934"-----	626.594

Martinton, in W. part of, 0.25 mi. S. of NE. cor. sec. 17, T. 28 N., R. 12 W., 30 ft. W. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 11 1934"-----	<i>Feet</i> 623. 443
Martinton, 0.8 mi. S. of, 365 ft. N. of S. cor. secs. 16 and 17, T. 28 N., R. 12 W., in top of E. head wall of concrete highway culvert; monel-metal rivet-----	624. 65
Martinton, 1.7 mi. S. of, 0.14 mi. N. of S. cor. secs. 20 and 21, T. 28 N., R. 12 W., 750 ft. N. of junction of rd. E., on top near center of E. coping of concrete highway bridge; chiseled square-----	629. 73
Martinton, 1.8 mi. S. and 0.5 mi. W. from, 0.5 mi. W. thence 2.0 mi. N. from Pittwood, near N $\frac{1}{4}$ cor. sec. 29, T. 28 N., R. 12 W., in triangle at junction of rd. W., 20 ft. S. of center line of E.-W. rd., in line with center line of highway S., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 12 1934"-----	627. 026
Pittwood, 0.5 mi. W. thence 1.8 mi. N. from, 0.24 mi. S. of N $\frac{1}{4}$ cor. sec. 29, T. 28 N., R. 12 W., 30 ft. E. of center line of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 13 1934"-----	634. 587
Pittwood, 0.5 mi. W. thence 1.0 mi. N. from, near S $\frac{1}{4}$ cor. sec. 29, T. 28 N., R. 12 W., on W. side of highway, in top of N. head wall of concrete culvert under T-rd. W.; monel-metal rivet-----	641. 42
Pittwood, 0.5 mi. W. thence 0.2 mi. N. from, about 0.2 mi. N. of S $\frac{1}{4}$ cor. sec. 32, T. 28 N., R. 12 W., 35 feet W. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19. 14 1934"-----	647. 792
Pittwood, 0.5 mi. W. of, near S $\frac{1}{4}$ cor. sec. 32, T. 28 N., R. 12 W., 27 ft. N. and 25 ft. E. from rd. junction, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 15 1934"-----	648. 342
Pittwood, 0.7 mi. W. thence 0.6 mi. S. from, 0.1 mi. S. and 0.25 mi. W. from center of sec. 5, T. 27 N., R. 12 W., in top of E. head wall of concrete culvert; monel-metal rivet-----	649. 04
Pittwood, 0.7 mi. W. thence 1.3 mi. S. from, near center of NW $\frac{1}{4}$ sec. 8, T. 27 N., R. 12 W., on E. side of highway, in top of N. head wall of concrete culvert; monel-metal rivet-----	653. 90
Pittwood, 0.7 mi. W. thence 2.0 mi. S. from, 0.25 mi. W. of N $\frac{1}{4}$ cor. sec. 17, T. 27 N., R. 12 W., 90 ft. S. and 30 ft. E. from crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 16 1934"-----	642. 965
Pittwood, 0.7 mi. W. thence 2.2 mi. S. from, near center of NW $\frac{1}{4}$ sec. 17, T. 27 N., R. 12 W., 0.2 mi. S. of crossroads, 30 ft. W. of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 17 1934"-----	642. 838
Pittwood, 0.7 mi W. thence 3.0 mi. S. from, 2.8 mi. N. and 0.5 mi. W. from Watseka, 0.25 mi. W. of N $\frac{1}{4}$ cor. sec. 20, T. 27 N., R. 12 W., 18 ft. S. and 30 ft. E. from crossroads, in top of S. head wall of concrete culvert; monel-metal rivet-----	634. 86
Witseka, 1.8 mi. N. and 0.5 mi. W. from, 0.25 mi. W. of N $\frac{1}{4}$ cor. sec. 29, T. 27 N., R. 12 W., 30 ft. S. and 35 ft. E. from junction of T-rd. E., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 18 1934"-----	628. 470

Watseka, 1.5 mi. N. and 0.5 mi. W. from, near center of NW¼ sec. 29, T. 27 N., R. 12 W., 35 ft. W. of center line of highway, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 19 1934"-----	Feet 628. 038
Watseka, 1.2 mi. N. and 0.5 mi. W. from, in SW¼ sec. 29, T. 27 N., R. 12 W., in top of W. end of center concrete pier of highway bridge over Iroquois River; chiseled square-----	628. 01
Watseka, 0.6 mi. NW. of central business section, 790 ft. SE. of junction of Dixie Highway and U. S. Highway 24, 35 ft. NE. of center line of highway, in front of service sta., 50 ft. W. of T-street S., at base of telephone and cable pole; top of edge of disk headpin-----	628. 02
4. From Dixie Highway at point 0.5 mile west of Pittwood east along township-line road to east corner Tps. 27 and 28 N., R. 11 W. (by F. W. Butterfield in 1934)	
Pittwood, in E. part of, 0.25 mi. W. of N¼ cor. sec. 4, T. 27 N., R. 12 W., in SE. angle of junction of T-rd. S., 25 ft. N. and 24 ft. W. from corner of schoolhouse, in top of E. head wall of concrete culvert; monel-metal rivet-----	641. 49
Pittwood, 1.0 mi. E. of, near NE. cor. sec. 4, T. 27 N., R. 12 W., 30 ft. S. and 30 ft. W. from crossroads; standard iron post with bronze cap stamped "Prim Trav Sta No 64 W 1921"-----	636. 462
Pittwood, 1.8 mi. E. of, 0.25 mi. W. of NE. cor. sec. 3, T. 27 N., R. 12 W., 30 ft. S. of rd., at farm rd. crossing, on top of W. head wall of concrete culvert; chiseled square-----	642. 57
Pittwood, 2.2 mi. E. of, 0.25 mi. E. of SW. cor. sec. 35, T. 28 N., R. 12 W., 30 ft. N. and 30 ft. E. from junction of T-rd. N., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 1. 1934"-----	643. 217
Pittwood, 3.1 mi. E. of, 0.1 mi. E. of NW cor. sec. 1, T. 27 N., R. 12 W., on top of S. head wall of concrete culvert; chiseled square-----	647. 38
Pittwood, 4.0 mi. E. of, 1.3 mi. S. and 2.0 mi. W. from Donovan, 31 ft. S. and 70 ft. W. from NE. cor. sec. 1, T. 27 N., R. 12 W., in concrete post; standard tablet stamped "Prim Trav Sta No 65 W 1921"-----	652. 960
Donovan, 1.3 mi. S. and 1.6 mi. W. from, 0.1 mi. W. of N¼ cor. sec. 6, T. 27 N., R. 11 W., 270 ft. W. of junction of T-rd. N., on top of S. head wall of concrete culvert; chiseled square-----	658. 55
Donovan, 1.3 mi. S. and 1.0 mi. W. from, near NE. cor. sec. 6, T. 27 N., R. 11 W., 20 ft. S. and 25 ft. W. from junction of T-rd. S., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 2 1934"-----	666. 241
Donovan, 1.3 mi. S. of, 0.12 mi. E. of NW. cor. sec. 4, T. 27 N., R. 11 W., 650 ft. E. of junction of T-rd. S., on top of S. wing wall of W. concrete abutment of bridge over Pike Creek; chiseled square-----	662. 92
Donovan, 1.3 mi. S. of, near SE. cor. sec. 33, T. 28 N., R. 11 W., 15 ft. N. and 40 ft. W. from junction of T-rd. N.; standard iron post with bronze cap stamped "Prim Trav Sta No 66 W 1921"-----	676. 355

Donovan, 1.3 mi. S. and 2.0 mi. E. from, near NW. cor. sec. 2, T. 27 N., R. 11 W., 30 ft. S. and 100 ft. E. from junction of T-rd. S., in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "19 3 1934"-----	<i>Feet</i> 668.516
Donovan, 1.3 mi. S. and 3.0 mi. E. from, near NE. cor. sec. 2, T. 27 N., R. 11 W., 30 ft. S. and 155 ft. W. from crossroads, in base of 36-in. tree; top of disk headpin-----	662.75

WENONA QUADRANGLE

[Latitude 41°00'–41°15'; longitude 89°00'–89°15']

LA SALLE, MARSHALL, AND PUTNAM COUNTIES

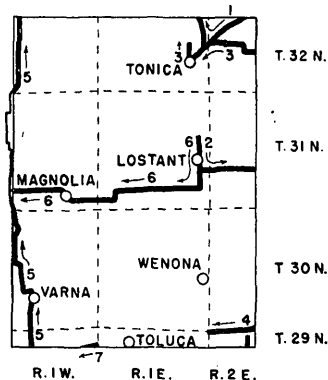


FIGURE 212.—Lines of leveling in Wenona quadrangle.

1. From Lowell along roads south and southwest to Ticona, thence north to point 3.2 miles south of Oglesby (by Henry Bücher in 1908)

[A jog from La Salle quadrangle, line 2]

Lowell, 0.3 mi. S. of, 0.25 mi. S. of NE. cor. sec. 17, T. 32 N., R. 2 E., in NW. angle of crossroads, 2 ft. SE. of fence corner; standard iron post with bronze cap stamped "Prim Trav Sta No 7 1908 632"	Feet 631.355
Lowell, 2.5 mi. SW. of, 0.5 mi. NE. of Ticona, near W¼ cor. sec. 19, T. 32 N., R. 2 E., 70 ft. SW. of junction of rd. E., on NW. side of rd., in yard, in root on E. side of 32-in. elm tree; nail-----	655.96
Ticona, 95 ft. NE. of crossing of Chicago, Burlington & Quincy R. R., on SE. side of rd., 6 ft. E. of fence, on W. bank of creek; standard iron post with bronze cap stamped "1908 645" (recovered in 1924)---	644.874
Ticona, 0.9 mi. N. of, about 4 mi. S. of Oglesby, 0.1 mi. E. of quarter corner between secs. 13 and 24, T. 32 N., R. 1 E., at junction of rd. W., on E. side of N-S. rd., at N. edge of woods, inside fence, at tree nearest gate, in root on SW. side of 25-in. oak tree; nail----	660.45

[Continued in La Salle quadrangle, line 2]

2. From road crossing 1.5 miles north of LOSTANT south 2 miles along Illinois Central Railroad, thence east along road to point 0.5 mile south and 0.8 mile west from Milla (by G. F. Williams in 1924)

Madison triangulation sta. (U. S. C. & G. S.), 1.5 mi. N. of LOSTANT, 24 ft. N. of second section-line rd. crossing N. of LOSTANT, on E. side of track, 29 ft. E. of E. rail, in concrete post; U. S. C. & G. S. standard triangulation-station disk stamped "719.739 Madison 1920"-----	719.739
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Lostant, 0.5 mi. N. of sta., 110 ft. S. of rd. crossing, on W. side of main track, at semaphore marked "4," on NW. corner of concrete base; chiseled square-----	<i>Feet</i> 699. 05
Lostant, 0.5 mi. S. of, 230 ft. E. of junction of T-rd. N., 150 ft. E. of crossing of E.-W. rd., on S. side of rd., inside fence, in root of 15-in. maple tree; copper nail and washer-----	686. 33
Lostant, 0.5 mi. S. and 0.5 mi. E. from, near NW. cor. sec. 30, T. 31 N., R. 2 E., 33 ft. S. and 33 ft. E. from crossroads, 3 ft. NW. of corner post of fence; top of cap on ½-in. iron pipe set flush with ground-----	699. 17
Lostant, 0.5 mi. S. and 1.5 mi. E. from, near SW. cor. sec. 20, T. 31 N., R. 2 E., in NE. angle of crossroads, 15 ft. N. of fence corner, in concrete post; standard tablet stamped "11 W 1924"-----	714. 220
Reference mark, in SW. angle of crossroads, 75 ft. W. of intersection, 45 ft. W. of corner of hedgerow, in root of hedge tree; copper nail and washer-----	714. 73
Lostant, 0.5 mi. S. and 2.5 mi. E. from, 0.5 mi. S. and 1.2 mi. W. from Milla, near NE. cor. sec. 29, T. 31 N., R. 2 E., 31 ft. S. and 33 ft. W. from crossroads, 2.4 ft. S. of corner post of fence; top of cap on ½-in. pipe-----	688. 87

[Continued in Streator quadrangle, line 4]

3. From point 2.2 miles north and 1 mile west from Leonore generally west along roads and north along Illinois Central Railroad to point 1 mile north of Tonica (by G. F. Williams in 1924)

[Continued from Streator quadrangle, line 5]

Ticonia, 2.8 mi. by rd. E. of, 2.2 mi. N. and 1.5 mi. W. from Leonore, near NW. cor. sec. 28, T. 32 N., R. 2 E., in SE. angle of junction of T-rd. E., at culvert under rd. S., on E. head wall; chiseled square-----	654. 30
Ticonia, 0.5 mi. NE. thence 1.9 mi. E. from, near E¼ cor. sec. 20, T. 32 N., R. 2 E., 35 ft. N. and 38 ft. W. from junction of T-rd. W., 1 ft. W. of fence corner; top of cap on ½-in. iron pipe-----	662. 38
Ticonia, 0.5 mi. NE. thence 0.9 mi. E. from, near W¼ cor. sec. 20, T. 32 N., R. 2 E., at N. end of jog in E.-W. rd., 420 ft. N. of rd. E., 75 ft. S. of rd. W., on E. side of N.-S. rd., 75 ft. S. of driveway, in root on S. side of large wild-cherry tree; copper nail and washer-----	693. 04
Ticonia, 0.5 mi. NE. of, 2.5 mi. SW. of Lowell, 1.4 mi. NE. of Tonica, near W¼ cor. sec. 19, T. 32 N., R. 2 E., 60 ft. SW. of junction of rd. E., on NW. side of rd., 3 ft. W. of wire fence, in root on E. side of 28-in. elm tree; copper nail and washer-----	655. 72
Tonica triangulation sta. reference mark (U. S. C. & G. S.), 1.0 mi. N. of Tonica, 67.68 ft. from sta. "Tonica," 0.75 mi. N. of stock pens, on W. side of track, 30 yd. N. of N. switch signal for siding, near fence line; U. S. C. & G. S. standard reference disk stamped "672.180 Tonica 1920"-----	672. 180

4. From point 0.5 mile south and 0.6 mile west from Leeds west along township-line road to point on Illinois Central Railroad 2.5 miles south of Wenona (by G. F. Williams in 1924)

[Continued from Streator quadrangle, line 6]

Leeds, 0.5 mi. S. thence 1.0 mi. W. from, 2.5 mi. S. thence 1.9 mi. E. from Wenona, near SW. cor. sec. 33, T. 30 N., R. 2 E., 900 ft. E. of offset crossroads, at W. abutment of concrete bridge over drainage ditch, on NW. wing wall; chiseled square-----	673. 99
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1268 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Wenona, 2.5 mi. S. thence 0.9 mi. E. from, 80 ft. W. of SE. cor. sec. 31, T. 30 N., R. 2 E., at offset crossroads, 35 ft. N. of E.-W. rd., 3 ft. S. and 60 ft. W. from corner of hedge fence, in top of ½-in. iron pipe; copper nail and washer-----	<i>Feet</i> 689. 27
Santa Fee triangulation sta. (U. S. C. & G. S.), 2.5 mi. S. of Wenona, on E. side of Illinois Central R. R. track, in SE. abutment of Atchison, Topeka & Santa Fe Ry. bridge over I. C. R. R., 5.77 ft. S. of S. rail of A. T. & S. F. Ry., 2.51 ft. N. of S. edge of abutment, 2.72 ft. E. of E. end of S. truss of bridge; U. S. C. & G. S. standard triangulation-station disk stamped "Santa Fee 1920"-----	722. 617
5. From point 2.5 miles south of Varna generally north along roads to point 0.5 mile south and 0.9 mile west from Granville (by E. E. Harris in 1929)	
[Continued from Minonk quadrangle, line 3]	
Varna, 1.5 mi. S. of, near N¼ cor. sec. 4, T. 29 N., R. 1 W., in SE. angle of offset crossroads, on head wall of culvert; chiseled square-----	706. 09
Varna, 0.5 mi. S. of, near N¼ cor. sec. 33, T. 30 N., R. 1 W., in SW. angle of junction of T-rd. S., on head wall of concrete culvert; chiseled square-----	732. 70
Varna, 900 ft. W. of Chicago & Alton R. R. sta., 18 ft. S. and 25 ft. W. from R. R. crossing, 4 ft. from crossing warning sign, in concrete post; standard tablet stamped "Prim Trav Sta No 69 T 1924"-----	729. 235
Reference mark, 28 ft. E. of tablet, on head wall of concrete culvert; chiseled square-----	729. 81
Varna, 0.5 mi. N. of, 0.1 mi. E. of N¼ cor. sec. 28, T. 30 N., R. 1 W., in SE. angle of crossroads, at concrete culvert; on top at angle in head wall; chiseled square-----	718. 77
Varna, 0.5 mi. N. thence 0.5 mi. W. from, near SE. cor. sec. 20, T. 30 N., R. 1 W., in NW. angle of junction of T-rd. N., on top of 18-in. drain pipe; chiseled square-----	709. 37
Varna, 1.7 mi. N. and 0.6 mi. W. from, 0.16 mi. N. of SW. cor. sec. 16, T. 30 N., R. 1 W., on E. side of rd., on center of small concrete bridge; chiseled square-----	674. 66
Varna, 2.0 mi. N. and 1.1 mi. W. from, near center of sec. 17, T. 30 N., R. 1 W., 25 ft. N. and 25 ft. E. from junction of T-rd. N., in concrete post; standard tablet stamped "Prim Trav Sta No 68 T 1924"-----	689. 570
Varna, 3.0 mi. N. and 1.1 mi. W. from, near center of sec. 8, T. 30 N., R. 1 W., on E. side of rd., 240 ft. S. of dwelling, in root on W. side of 60-in. oak tree; copper nail and washer-----	655. 27
Varna, 3.9 mi. N. and 0.9 mi. W. from, 1.5 mi. S. and 2.7 mi. W. from Magnolia, in SE¼ sec. 5, T. 30 N., R. 1 W., on S. bank of Sandy Creek, on E. side of rd., in root on NW. side of 36-in. poplar tree; copper nail and washer-----	516. 71
[Jogs into Lacon quadrangle, line 12]	
McNabb, 2.5 mi. N. and 1.8 mi. W. from, 3.2 mi. S. and 0.9 mi. W. from Granville, 0.25 mi. W. of E¼ cor. sec. 29, T. 32 N., R. 1 W., 24 ft. S. of crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 65 T 1924"-----	692. 314
Reference mark, 95 ft. S. 40° E. from tablet, in root on NW. side of 30-in. elm tree; copper nail and washer-----	692. 17
Granville, 2.2 mi. S. and 0.9 mi. W. from, 0.2 mi. W. of E¼ cor. sec. 20, T. 32 N., R. 1 W., 28 ft. S. and 375 ft. E. from crossroads, in root on S. side of 30-in. cottonwood tree; copper nail and washer-----	727. 48

Granville, 1.2 mi. S. and 0.9 mi. W. from, 0.25 mi. E. of center of sec. 17, T. 32 N., R. 1 W., on E. side of rd., in line with T-rd. W., in root on W. side of 36-in. elm tree; copper nail and washer----- *Feet*
731. 95

[Continued in La Salle quadrangle, line 6]

6. From road crossing 1.5 miles north of Lostant south along Illinois Central Railroad to road crossing 1.5 miles south of Lostant, thence generally west along State Highway 89-B and roads to point 0.4 mile north and 2.9 miles west from Magnolia (by Robert Teets in 1934)

Madison triangulation sta. reference mark (U. S. C. & G. S.), 1.5 mi. N. of Lostant, 70 ft. from sta. in azimuth $235^{\circ}15'$, on E. side of track, near fence line, in concrete post; U. S. C. & G. S. standard reference disk stamped "716.334 Madison 1920"----- 716. 334

Lostant, 0.5 mi. N. of, 110 ft. S. of crossing of E.-W. rd., on W. side of track, on concrete base of semaphore; chiseled square----- 699. 19

Marion triangulation sta. reference mark (U. S. C. & G. S.), 1.5 mi. S. of Lostant, at section-line rd. crossing, 38 ft. N. of center line of State Highway 89-B, 102 ft. W. of W. rail, in concrete post; U. S. C. & G. S. standard reference disk stamped "Marion 1920" (as reset in 1934) -- 700. 323

Lostant, 1.5 mi. S. of along U. S. Highway 51, near SW. cor. sec. 26, T. 31 N., R. 1 E., 23 ft. N. and 25 ft. W. from intersection of State Highway 89-B, on N. head wall of concrete culvert; chiseled square-- 710. 93

Lostant, 1.5 mi. S. thence 1.0 mi. W. from, 370 ft. E. of NW. cor. sec. 35, T. 31 N., R. 1 E., 25 ft. S. of highway, on concrete foundation of pump; chiseled square----- 691. 52

Lostant, 1.5 mi. S. thence 2.0 mi. W. from, near SW. cor. sec. 27, T. 31 N., R. 1 E., 26 ft. N. and 29 ft. E. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 78 T 1924"----- 679. 258

Lostant, 1.5 mi. S. thence 3.0 mi. W. from, near N. cor. secs. 32 and 33, T. 31 N., R. 1 E., 25 ft. S. of highway at N.-S. section-line crossing, in root on S. side of 24-in. boxelder tree; spike and washer----- 668. 24

Lostant, 1.5 mi. S. thence 4.0 mi. W. from, near NE. cor. sec. 31, T. 31 N., R. 1 E., 120 ft. S. and 6 ft. W. from crossroads, on NW. wing wall of steel bridge; chiseled square----- 646. 32

Lostant, 2.0 mi. S. and 4.0 mi. W. from, 2.7 mi. E. of Magnolia, at Arnold School, near E $\frac{1}{4}$ cor. sec. 31, T. 31 N., R. 1 E., 33 ft. N. and 36 ft. W. from crossroads, in SE. corner of schoolyard, in concrete post; standard tablet stamped "Prim Trav Sta No 77 T 1924"----- 672. 052

Magnolia, 1.6 mi. E. of, 520 ft. W. of E $\frac{1}{4}$ cor. sec. 36, T. 31 N., R. 1 W., 520 ft. W. of crossroads, 30 ft. S. of rd., in root on S. side of 28-in. walnut tree; nail----- 675. 25

Magnolia, 0.5 mi. E. of, 0.25 mi. SE. of center of sec. 35, T. 31 N., R. 1 W., 18 ft. N. and 55 ft. E. from crossing of highway and N.-S. sixteenth line on E side of section, in root on S. side of 32-in. maple tree; spike----- 679. 23

Magnolia, 36 ft. S. and 45 ft. E. from S. entrance to high school, in schoolyard, in concrete post; standard tablet stamped "Prim Trav Sta No 76 T 1924"----- 673. 214

Magnolia, 0.5 mi. N. thence 0.4 mi. W. from, near NE. cor. sec. 34, T. 31 N., R. 1 W., 11 ft. S. and 180 ft. W. from intersection of State Highways 89-C and 189, on top of S. curb railing of bridge; chiseled square ----- 619. 52

1270 SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Magnolia, 0.5 mi. N. thence 1.4 mi. W. from, near N. cor. secs. 33 and 34, T. 31 N., R. 1 W., 37 ft. S. of highway at N.-S. section-line crossing, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "6 14 1934"----- Feet
652.362

[Connects with line 12 in Lacon quadrangle]

7. West along road near Toluca (by Robert Teets in 1934)⁶⁵

Toluca, 1.5 mi. W. of Atchison, Topeka & Santa Fe Ry. sta., near E. cor. secs. 1 and 12, T. 29 N., R. 1 W., 35 ft. N. and 25 ft. W. from center of crossroads, in concrete post; U. S. C. & G. S. and State Survey standard disk stamped "6 11 1934"----- 683.064

⁶⁵ Appears as part of line 7 in Minonk quadrangle.

SUPPLEMENTAL ELEVATIONS

The following table shows altitudes of well-known features in east-central Illinois, such as summits, water surfaces, and tops of rails at railroad stations, as assembled from the topographic maps and records of the Geological Survey and from other sources. These altitudes, with the exception of a few which were determined by spirit leveling along railroads, were obtained by barometric and vertical-angle measurements. The figures given are in accord with the latest information, but they are only approximate and should not be used for accurate work.

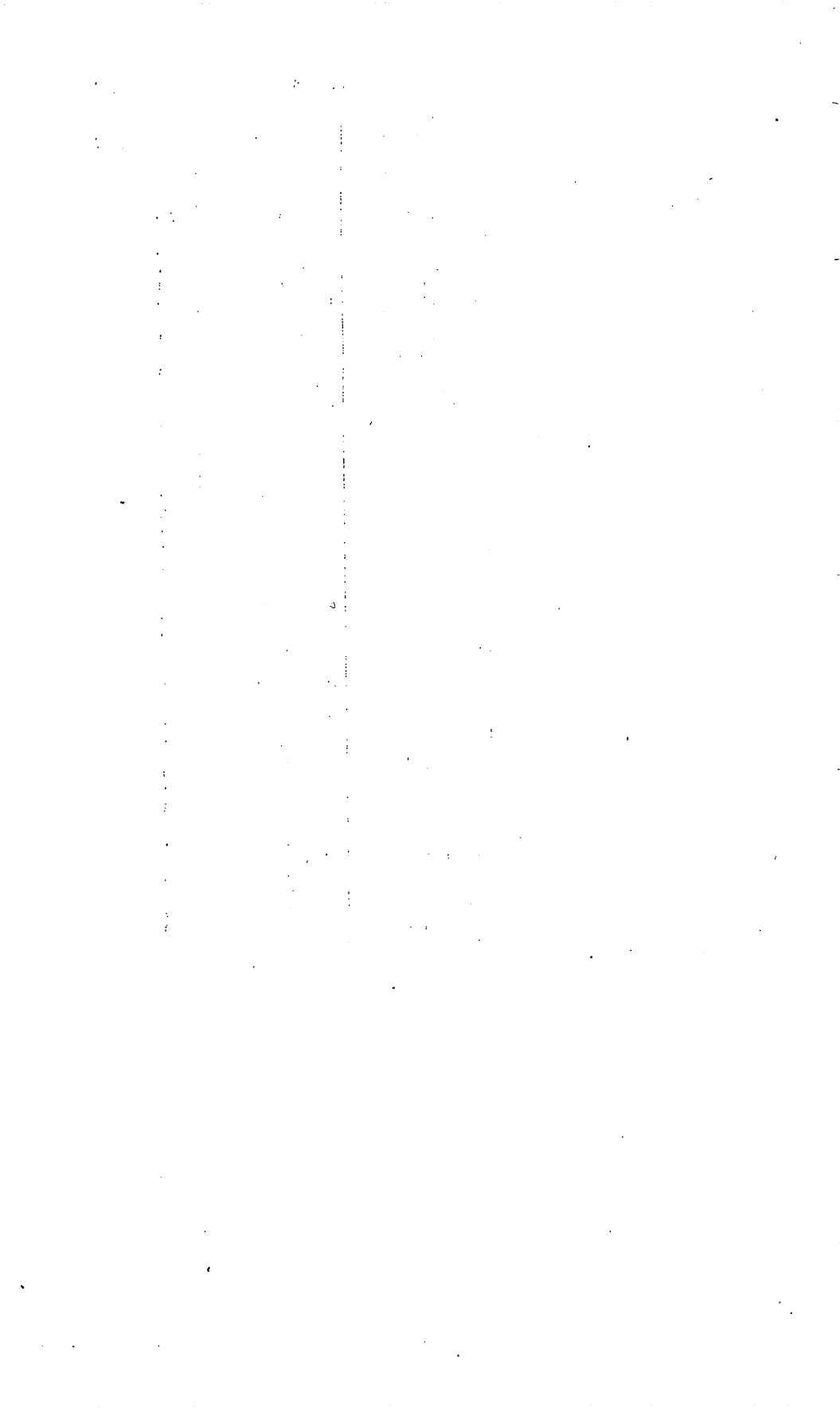
Supplemental elevations in east-central Illinois

Location	Quadrangle	County	Elevation (feet)
Ancona, A. T. & S. F. Ry.....	Streator.....	Livingston.....	633
Bloomington, N. Y. C. R. R.....	Le Roy.....	McLean.....	789
Blue Mound.....	Mahomet.....	Champaign.....	748
Blue Mound.....	Normal.....	McLean.....	850
Blue Ridge, Wabash Ry.....	Gibson City.....	Piatt.....	793
Bondville, I. C. R. R.....	Mahomet.....	Champaign.....	716
Borton, intersection of Pennsylvania and C. H. & D. R. Rs.	Kansas.....	Edgar.....	664
Bradbury, I. C. R. R.....	Toledo.....	Cumberland.....	609
Brewer, C. & E. I. Ry.....	Danville.....	Vermillion.....	656
Bushton, N. Y. C. & St. L. R. R.....	Oakland.....	Coles.....	672
Cabery, I. C. R. R.....	Piper City.....	Ford-Kankakee.....	698
Catlin, Wabash Ry.....	Danville.....	Vermillion.....	663
Charleston, C. C. C. & St. L. Ry.....	Toledo.....	Coles.....	669
Charleston, N. Y. C. & St. L. R. R.....	Toledo.....	Coles.....	678
Chatsworth, T. P. & W. R. R.....	Chatsworth.....	Iroquois.....	736
Chenoa, intersection of T. P. & W. and C. & A. R. Rs.	Chenoa.....	McLean.....	719
Clarence, N. Y. C. & St. L. R. R.....	Potomac.....	Ford.....	765
Crescent City, T. P. & W. R. R.....	Ashkum.....	Iroquois.....	641
Danvers, N. Y. C. R. R.....	Danvers.....	McLean.....	809
Danville, C. & E. I. Ry.....	Danville.....	Vermillion.....	597
Danville, intersection of C. & E. I. and N. Y. C. R. Rs.	Danville.....	Vermillion.....	605
Danville, N. Y. C. R. R.....	Danville.....	Vermillion.....	604
Danville, Wabash Ry.....	Danville.....	Vermillion.....	593
Decatur, I. C. R. R.....	Decatur.....	Macon.....	673
Decatur, Wabash Ry.....	Decatur.....	Macon.....	674
Dennison, Pennsylvania R. R.....	Marshall.....	Clark.....	576
Downs, N. Y. C. R. R.....	Le Roy.....	McLean.....	796
Dwight, N. Y. C. R. R.....	Dwight.....	Livingston.....	634
Dwight, intersection of N. Y. C. and C. & A. R. Rs.	Dwight.....	Livingston.....	627
Empire, N. Y. C. R. R.....	Arrowsmith.....	McLean.....	756

1272SPIRIT LEVELING IN ILLINOIS—PART 3, EAST-CENTRAL ILLINOIS

Location	Quadrangle	County	Elevation (feet)
Fair Grange, N. Y. C. & St. L. R. R.	Oakland	Coles	682
Fairbury, T. P. & W. R. R.	Chenoa	Livingston	687
Fairmount, Wabash Ry.	Fithian	Vermilion	661
Farmer City, intersection of N. Y. C. and I. C. R. Rs.	Arrowsmith	De Witt	732
Farrington, Pennsylvania R. R.	Marshall	Clark	570
Ferrell, Pennsylvania R. R.	Marshall	Edgar	604
Forrest, intersection of Wabash Ry. and T. P. & W. R. R.	Chatsworth	Livingston	689
Gays, C. C. C. & St. L. Ry.	Mattoon	Shelby	758
Gibson City, N. Y. C. & St. L. R. R.	Gibson City	Ford	747
Gibson City, Wabash Ry.	Gibson City	Ford	749
Gillum, N. Y. C. R. R.	Le Roy	McLean	822
Gilman, intersection of T. P. & W. and I. C. R. Rs.	Ashkum	Iroquois	652
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