

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

Bulletin 898-C

SPIRIT LEVELING IN MISSOURI
PART 3. EAST-CENTRAL MISSOURI
1896-1937

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Prepared in cooperation with the
STATE OF MISSOURI
GEOLOGICAL SURVEY AND WATER RESOURCES
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UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON: 1938

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J. G. Staack, Chief Topographic Engineer

INTRODUCTION

Scope of report.—This bulletin, which for convenience is to be published in eight parts, contains the results of all spirit leveling done by the United States Geological Survey in Missouri, including those heretofore published.* Each of the parts deals with one of eight sections into which the State has been divided for this purpose and which have been designated northeastern, northwestern, southeastern, southwestern, central, east-central, south-central, and west-central Missouri. 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. Results of spirit leveling other than that done by the United States Geological Survey have not been included.

Cooperation.—The State has contributed financially to the work of leveling in Missouri since 1907, ordinarily cooperating with the United States Geological Survey on a dollar-for-dollar basis. The agencies concerned in this cooperation are the Missouri Geological Survey and Water Resources and, since 1929, the Missouri State Highway Commission. Since 1934, the Missouri Geological Survey and Water Resources, under allotments from the Federal Emergency Relief Administration and the Works Progress Administration, has also supplied the funds to pay the personnel working on extensive projects of leveling in the State. For these projects the United States Geological Survey has furnished equipment and supervision as its share of the cooperation.

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 leveling** 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 times the square root of the length of section in miles.

Second-order leveling, according to regulations of the United States 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 times the square root of the 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 within the limits of 0.05 times the square root of the

*For the results of spirit leveling in Missouri previously published see Triangulation and spirit leveling—Missouri: U. S. Geol. Survey 18th Ann. Rept., pt. 1, pp. 333-337, 1897; Triangulation and spirit leveling—Missouri-Illinois: U. S. Geol. Survey 20th Ann. Rept., pt. 1, pp. 412-413, 1899; Triangulation, primary traverse and spirit leveling—Missouri: U. S. Geol. Survey 21st Ann. Rept., pt. 1, pp. 474-475, 1900; Results of spirit leveling, fiscal year 1900-1901—Missouri, Missouri-Kansas: U. S. Geol. Survey Bull. 185, pp. 107-113, 1901; Results of spirit leveling in Missouri, 1896 to 1919, inclusive: U. S. Geol. Survey Bull. 459, 48 pp., 1911; Results of spirit leveling in Missouri, 1896 to 1914, inclusive: U. S. Geol. Survey Bull. 568, 219 pp., 1915.

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

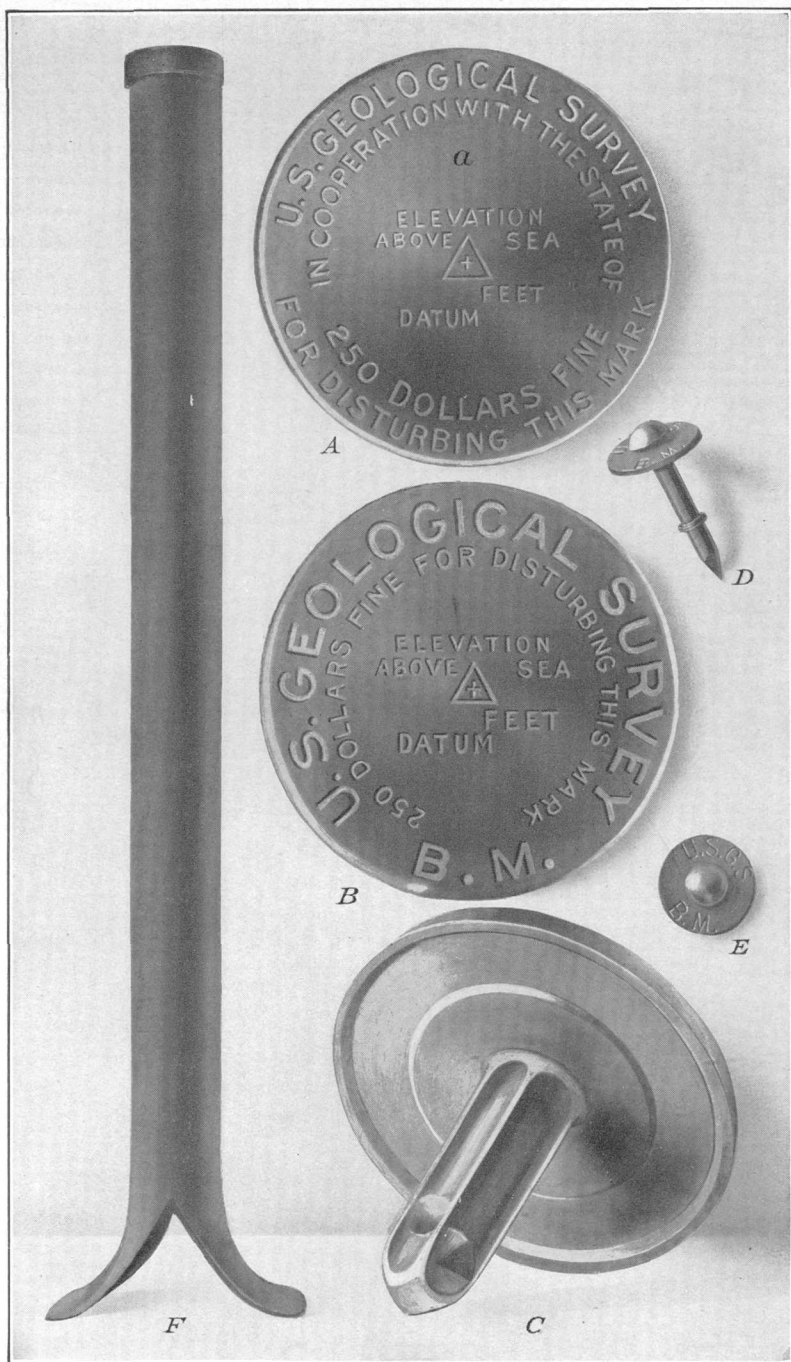
length of circuit in miles. This is equivalent to 0.071 times the square root of the length of section in miles if the line is leveled twice.

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

Adjustments.—A preliminary step to the adjustment of first, second, and third-order leveling is the application of all corrections for rod error, temperature, and unbalanced sights, as well as the orthometric corrections required because of the convergence toward the poles of level surfaces of different elevations. 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 adjusted to remove accidental closure errors by the mathematical method known as least squares. The latest adjustment of this kind was made in 1929 by the United States Coast and Geodetic Survey and is known as the "1929 general adjustment of first-order leveling." This adjustment included the first-order lines in Missouri, and the elevations thus derived are the fundamental references for elevations determined by second- and third-order nets. The third-order leveling of the United States Geological Survey in Missouri 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.

Benchmarks.—The benchmarks used by the United States Geological Survey (pl. 1) are of two general classes—principal and supplementary. Principal benchmarks are placed at more or less regular intervals along a level line and are established with the aim of making them as nearly permanent as practicable. They are usually bronze or aluminum tablets, iron posts, or copper bolts. Supplementary or auxiliary benchmarks are less formal in design and are placed between the principal benchmarks. Some of the supplementary benchmarks in common use are copper nails fitted with washers, spikes, and marks cut with a chisel on rock or masonry.

The tablets are circular in shape, measure 3-7/8 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. During a short period in the earlier years of the Survey's leveling the tablets set were made of aluminum. The softness of this metal, however, made them susceptible to damage, so that aluminum as a material for tablets was soon discarded. The earliest tablets set and those now being placed are made of bronze, and bronze 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 cemented in place, and each bears an inscription on its face. The inscriptions on the tablets already placed 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", a cross at the center, which indicates the fiducial point for position or elevation, and the words "Elevation above sea." 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 the cross at the center. Tablets bearing a triangle enclosing a cross may be used not only as benchmarks but also as triangulation- or traverse-station marks.



GEOLOGICAL SURVEY BENCHMARKS.

A and B, Standard tablets, principal benchmarks, 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 benchmark, 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.

The inscription on most of the tablets already set 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 the tablet is to mark a transit-traverse station, the traverseman stamps it with 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, using steel dies. If the tablet is set as a benchmark, the levelman stamps it with his identifying letter or letters, the serial number, and the year. He may at the same time stamp upon it with steel dies the figures of elevation to the nearest foot, or these figures may be added later. Tablets that serve as benchmarks may have been set as such or they may have been set to mark traverse stations. Thus some of them serve a dual purpose, but each has stamped upon it the date and the identifying designation of only the engineer who established it.

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 a bulletin such as this one, 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, Geological Survey, United States Department of the Interior, Washington, D. C.

The tablets, of whatever style, are cemented into holes drilled in solid rocks or in the walls of public buildings, bridge abutments, or other masonry structures. Where masonry or rock is not available, the tablets are set in the tops of reinforced concrete posts, 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 vary in length from 36 to 48 inches and are generally set so as to project about 6 inches above ground.

Antedating the concrete posts which are now constructed to hold the tablets, in places where masonry or rock is not available, are wrought-iron posts, to the tops of which are riveted bronze caps of similar design to 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. No iron posts have been set in recent years. They have proved impracticable, as they are easily disturbed and are subject to rust at the ground level, which eventually destroys them.

The third form of principal benchmark, set only in the early leveling, is a copper bolt, designed to be wedged into a drill hole in rock or masonry and perhaps further secured with lead or cement. This bolt measures 4 inches in length and 1 inch in diameter and has a slot at one end into which fits a brass wedge. The wedge serves to expand the bottom end of the bolt, so that after the bolt has been driven to almost 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. This inscription is

made up of the letters "U S G S", the letters indicating the datum used, the abbreviated word "Ft.", and the figures of elevation.

Supplementary benchmarks are of many kinds. One kind consists of a copper nail $1\frac{1}{8}$ inches long supplied with a copper washer seven-eighths of an inch in diameter, through which the nail is driven into the root of a tree or some timber structure or cemented into rock after bending the point. 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 benchmark is a chiseled square, used on the horizontal surface of rocks or masonry structures, or a chiseled cross, used on a vertical surface. Nails, track spikes, and small, capped iron pipes also serve as supplementary benchmarks, and occasionally easily described and recognized points, such as doorsills and tops of hydrants, are so used.

Preservation and restoration of benchmarks.—Any person who finds that a principal benchmark has been damaged, disturbed, or destroyed or that it should be reset or re-described on account of highway or other improvements will render a public service by communicating the facts to the Director, United States Geological Survey, 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 United States Geological Survey and those determined by the United States 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.*

Location of the area.—East-central Missouri, 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 $38^{\circ}00'$ and $39^{\circ}15'$ and east of longitude $92^{\circ}00'$. (See fig. 5.)

Index map.—The accompanying index map of east-central Missouri (fig. 6) shows the relative position of the quadrangle areas which make up this section. A quadrangle is the unit of topographic survey adopted by the United States Geological Survey for dividing the area of the United States. All the quadrangles referred to in listing the results of leveling in east-central Missouri measure 15 minutes in latitude by 15 minutes in longitude. On the index map the name of each quadrangle is accompanied by the number

*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. 196, 1935.

of the page on which begins the list of descriptions of benchmarks in that quadrangle. The 30-minute quadrangles formerly designated as Hermann, Hillsboro, Louisiana, Sullivan, and O'Fallon have recently been subdivided into 15-minute quadrangles, whose names appear in parentheses in the respective quadrants of the original quadrangles unless the new names have been used throughout the descriptions, in which case the old names are not given on the map. Possible topographic mapping on a larger scale in some of the quadrangle areas may make it necessary to use, for newer $7\frac{1}{2}$ -minute quadrangles, the names shown on this index map for 15-minute quadrangles.

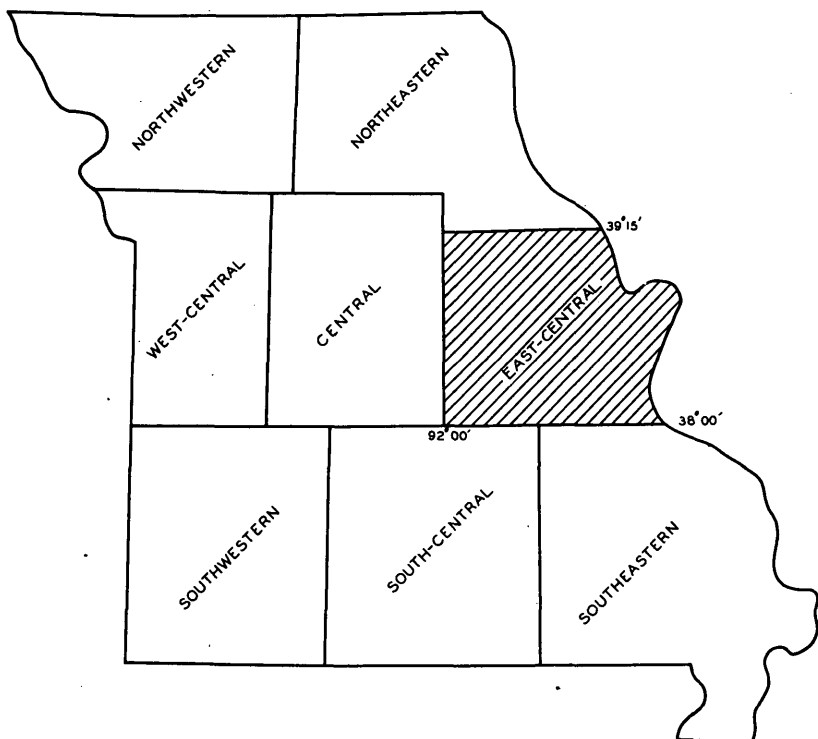


Figure 5.—Outline map of Missouri showing the names and relative position of the eight sections covered by the parts of Bulletin 898, on spirit leveling in the State. The shaded portion represents the section designated as east-central Missouri.

Maps of many of the quadrangles in east-central Missouri 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, Geological Survey, United States Department of the Interior, 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 benchmark descriptions for each quadrangle is a diagram showing the routes followed by the lines of leveling in and immediately adjacent to that quadrangle. To aid in identifying these routes, the boundaries of the townships and ranges in the quadrangle are indicated by light dashed lines, and the designations of these land subdivisions

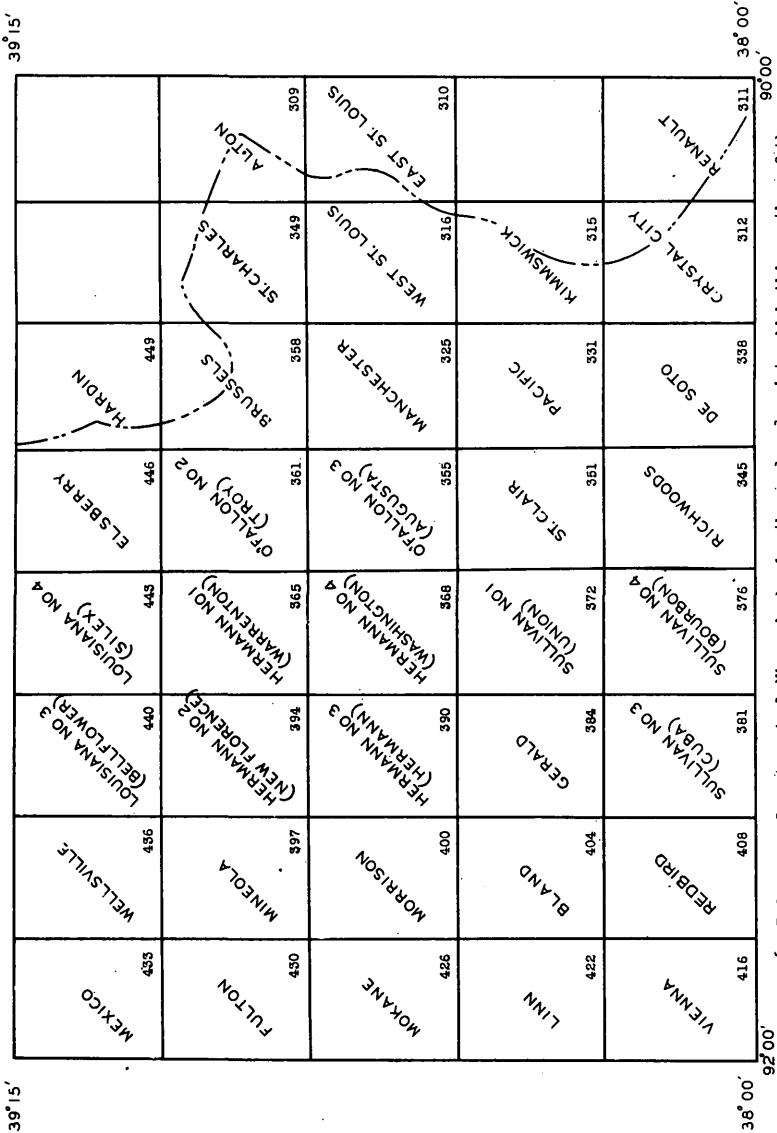
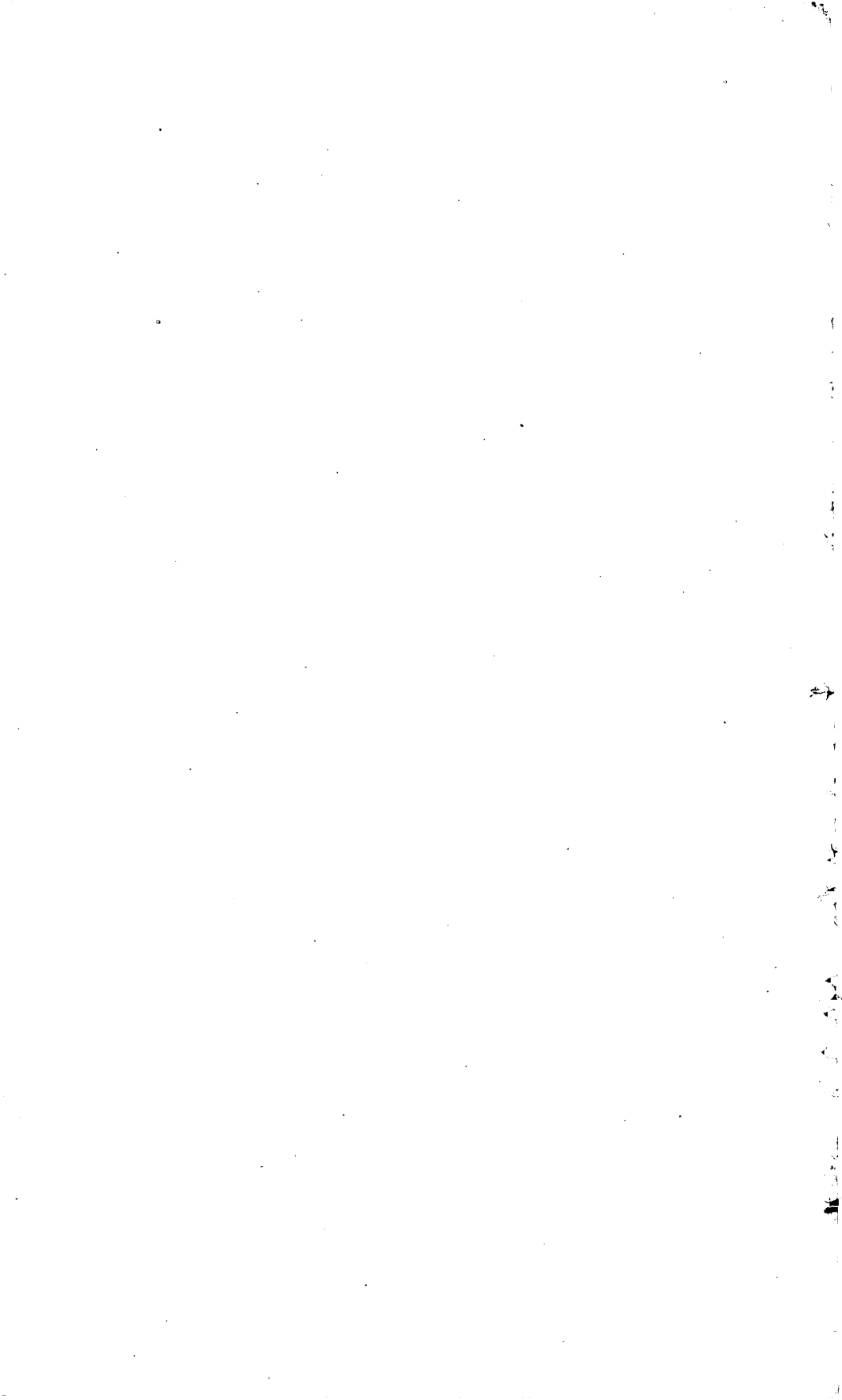


Figure 6.—Index map of east-central Missouri showing the quadrangles into which this section of the State has been divided. Names appearing in parentheses are recent tentative designations which may supersede the names under which the lists of quadrangles have been compiled. No leveling has been done by the United States Geological Survey in quadrangles in which no name appears.

are given on the margin. The principal settlements are also shown. The solid lines represent the routes of the third-order leveling of the United States Geological Survey. To each of these is assigned a number, and the same number is assigned to the list of descriptions of benchmarks along that route. The heavy dashed lines represent the first-order leveling of the United States Coast and Geodetic Survey.

Personnel.—The leveling of the United States Geological Survey in east-central Missouri 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. Included in the heading that precedes the descriptions of benchmarks established along any line of leveling are the name of the levelman who ran that line and the date when it was run, or, if this information has been omitted, it may be assumed that the levelman and date are the same as those indicated for the line immediately preceding. The adjustment of the third-order level net was done in the Washington office mainly by V. S. Benfell, computer. The revision, correlation, and compilation of the descriptions of benchmarks was done in the field office at Rolla, Mo., by employees of the Works Progress Administration of Missouri, who also assembled the lists and made new typewritten copies of them suitable for reproduction by photography. The work at Rolla was sponsored by the Missouri Geological Survey and Water Resources and was in charge of W. R. Broadbuss, of the United States Geological Survey. The work in the Washington office was under the supervision of R. M. Wilson, chief of the section of computing, under the general direction of J. G. Staack, chief topographic engineer.



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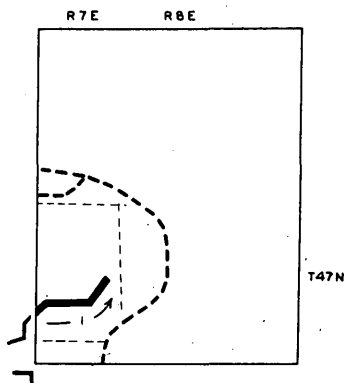
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THIRD-ORDER LEVELING

ALTON QUADRANGLE*

(Latitude $38^{\circ}45'39''00''$; longitude $90^{\circ}00'15''$)
St. Charles and St. Louis Counties



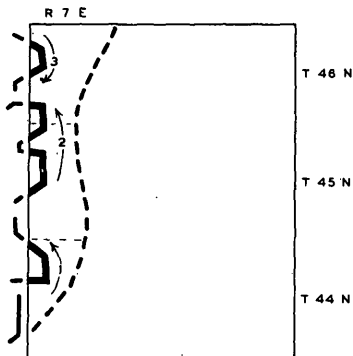
1. IN SOUTHWEST QUARTER OF QUADRANGLE, EAST AND NORTHEAST TO POINT NEAR MISSISSIPPI RIVER (by W. R. Broadus in 1923)
(Continued from St. Charles quadrangle; see line 1.)

Blackjack, 4 mi. SE. of, 38 ft. SW. of junction of Hall Avenue and Bellefontaine Road, 180 ft. N. of Bellefontaine Road at rd. E. to Larimore, 4 ft. SW. of concrete corner post at NE. corner of St. Louis Municipal Farm, in concrete post; standard tablet stamped "B 1923 Mo"	<u>Feet</u>
Reference mark, 432 ft. S. of tablet, 15 ft. E. of Bellefontaine Road, on top of E. end of N. abutment of bridge over Watkins Creek; chiseled square	478.935
Larimore, 2.2 mi. NE. of, 50 ft. S. of junction of Larimore rd. and Columbia Bottom Road, 10 ft. E. of rd., on top and 4 ft. N. of S. end of S. stone abutment of bridge over small creek; chiseled square	482.15
Larimore, 2.6 mi. NE. of, on Columbia Bottom Road, 0.4 mi. N. of junction of Larimore rd., 18 ft. NE. of junction of private rd. E., on top of S. end of E. wing wall of concrete culvert; chiseled square	458.00
Columbia Bottom, 1.2 mi. S. of N. end of, on Columbia Bottom Road, near foot of bluff, at turn in rd. to E. across bottom opposite rock quarry, 55 ft. S. of fence corner, in stone; Copper bolt (U.S.C.E. B.M. designated "2=1/1")	447.27
Top of cap	426.121
Reference mark, 108 ft. NW. of post, 60 ft. E. of old stone quarry, 30 ft. W. of junction of Madison Ferry rd., in root of 24-in. cottonwood tree; copper nail and washer	430.186
	431.71

For additional level lines, refer to United States Coast and Geodetic Survey first-order lines, Twelve Miles Above St. Louis to Jefferson City, Twelve Miles Above St. Louis to St. Louis, and Grafton, Ill., to Twelve Miles Above St. Louis, Mo.

*The greater part of this quadrangle lies in Illinois.

EAST ST. LOUIS QUADRANGLE^{*}
(Latitude 38°30'-38°45'; longitude 90°00'-90°15')
City of St. Louis and St. Louis County



1. NEAR MIDDLE OF SOUTH HALF OF WEST BORDER OF QUADRANGLE (by George W. Moore in 1931)
(Continued from West St. Louis quadrangle; see line 10.)

	<u>Feet</u>
St. Louis, 33 ft. S. and 40 ft. E. from corner of Grand Boulevard and Meramec Street, on top of NW. corner of sewer well; chiseled square	534.71
St. Louis, just SE. of intersection of Grand Boulevard and Chippewa Street, on top of NE. corner of sewer well; chiseled square	540.98
St. Louis, at intersection of Gravois and Spring Avenues, 1/4 ft. S. of street NE., 20 ft. E. of street S., on top of NE. corner of sewer well; chiseled square	527.73

(Continued in West St. Louis quadrangle; see line 10.)

2. NORTH NEAR MIDDLE OF WEST BORDER OF QUADRANGLE
(Continued from West St. Louis quadrangle; see line 12.)

St. Louis, 45 ft. N. of intersection of Boyle and McPherson Avenues, on top of W. corner of sewer well; chiseled square	476.98
St. Louis, across Fairfax Avenue from Newstead Avenue car barns, 45 ft. N. of street intersection, at David Ranken Trades School, 4 ft. E. of S. corner of athletic field, in concrete post; standard tablet stamped "62 M 1931"	507.568
Reference mark, 16 ft. SW. of tablet, on top of curb; chiseled cross and arrow	506.90

(For balance in West St. Louis quadrangle; see line 12.)

St. Louis, just NE. of intersection of Marcus and St. Louis Avenues, on top of N. corner of sewer well; chiseled square	487.53
St. Louis, just SW. of intersection of Natural Bridge and Shreve Avenues, on top of N. end of sewer well; chiseled square	481.23

(Continued in West St. Louis quadrangle; see line 12.)

3. IN NORTHWEST PART OF QUADRANGLE, SOUTH ALONG WEST BORDER
(Continued from West St. Louis quadrangle; see line 13.)

Jennings, 0.7 mi. NE. of, 0.3 mi. NW. of St. Louis City and St. Louis County line, SW. of intersection of Halls Ferry Road and Jennings Road, 4 ft. N. of last guardrail post, on S. edge of pavement; chiseled square	509.03
Jennings, 0.7 mi. E. of, 0.1 mi. S. of St. Louis City and St. Louis County line, 130 ft. SW. of intersection of Kingshighway and Halls Ferry Road, between Kingshighway and Goodfellow Avenue, on top of S. wing wall of abandoned bridge; chiseled square	463.48
St. Louis, 0.6 mi. S. of line between St. Louis City and St. Louis County, 0.2 mi. NE. of Wabash Ry. bridge, just NE. of intersection of Kingshighway and Switzer Avenue, 1 block S. of McLaren Avenue, on top of N. corner of sewer well; chiseled square	473.49
St. Louis, near W. corner of Calvary Cemetery, 80 ft. S. and 45 ft. E. from intersection of Kingshighway and West Florissant Avenue, between curb and sidewalk, in concrete post; standard tablet stamped "55 M 1931"	489.144
Reference mark, 77 ft. S. of intersection of Kingshighway and West Florissant Avenue, on top of sewer well; chiseled square	487.58

^{*} The greater part of this quadrangle lies in Illinois.

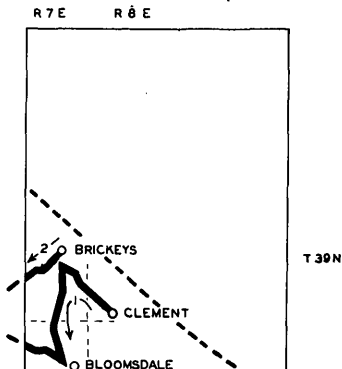
	Feet
North St. Louis, 0.4 mi. NW. of intersection of West Florissant and Calvary Avenues, at top of hill, at junction of West Florissant and Davison Avenues, on top of concrete sewer well; chiseled square	484.78
North St. Louis, 42 ft. W. of intersection of West Florissant and Calvary Avenues, on top of concrete sewer well; chiseled square	508.14
North St. Louis, near S. corner of Bellefontaine Cemetery, NW. of intersection of Kingshighway and West Florissant Avenue, on top of W. parapet wall of N. abutment of Wabash Ry. bridge; chiseled square	454.36
North St. Louis, 60 ft. S. of intersection of Kingshighway and Shreve Avenue, in SW. corner of park, on top of sewer well; chiseled square	488.34

(Continued in West St. Louis quadrangle; see line 13.)

For additional level lines, refer to United States Coast and Geodetic Survey first-order lines, St. Louis to Jefferson City and Twelve Miles Above St. Louis to St. Louis.

RENAULT QUADRANGLE*
(Latitude 38°00'-38°15'; longitude 90°00'-90°15')

Ste. Genevieve County



1. FROM CLEMENT NORTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO BRICKEYS, THENCE SOUTH TO BLOOMSDALE, THENCE WEST TO WEST BORDER OF QUADRANGLE (by Edward Bandli in 1907 and R. G. Clinite and G. W. Lucas in 1913)

U.S.C.E. B.M. designated "29"	409.661
Clement, 1.3 mi. NW. of, along St. Louis-San Francisco Ry., 80 ft. S. of milepost 55, on top of NW. corner of stone culvert; chiseled square	393.91
Brickeys, 5 ft. SW. of St. Louis-San Francisco Ry. sta., in rock outcrop; standard tablet stamped "Mo 395"	394.946
U.S.C.E. B.M. designated "18=41 Holman"	377.426
Brickeys, 0.8 mi. S. of, at top of ridge, NE. of rd. fork E., in root on N. side of hickory tree; spike	611.91
Brickeys, 2.1 mi. S. of, near top of hill, 120 ft. S. of rd. forks, on W. side of rd., in root of 4-in. black-oak tree; spike	686.32
Brickeys, 3 mi. S. of, 40 ft. NW. of rd. fork NW.; iron post stamped "Mo 750"	749.327
Brickeys, 4.1 mi. S. of, 100 ft. N. of top of ridge, in center of rd., in root on E. side of 30-in. white-oak tree; nail	800.06
Brickeys, 5.2 mi. S. of, at SE. corner of junction of Bloomsdale-Brickeys rd. and St. Louis Road, in base of 18-in. oak tree; spike	631.66
Bloomsdale, 180 ft. E. of post office, about 50 ft. W. of T-rd. SE., 50 ft. S. of blacksmith shop, 15 ft. SE. of public telephone sta.; iron post stamped "1913 Mo 487"	486.906
Bloomsdale, 2.2 mi. NW. of, near dwelling of Clay Bill, at rd. forks, on 12- by 12-in. sandstone boulder; chiseled mark	431.54

(Continued in Crystal City quadrangle; see line 1.)

*The greater part of this quadrangle lies in Illinois.

2. FROM BRICKEYS SOUTHWEST TO WEST BORDER OF QUADRANGLE

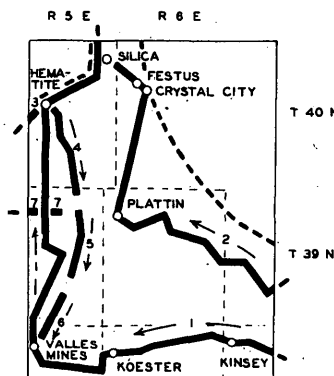
Brickeys, 0.8 mi. SW. of, at top of small hill, on N. side of rd., W. of wire gate, in root of hickory tree; spike

Feet
656.58

(Continued in Crystal City quadrangle; see line 2.)

For an additional level line along Mississippi River, refer to United States Coast and Geodetic Survey first-order line, St. Louis, Mo., to Cairo, Ill.

CRYSTAL CITY QUADRANGLE*
(Latitude 38°00'-38°15'; longitude 90°15'-90°30')
Jefferson, St. Francois, and Ste. Genevieve Counties



1. FROM EAST BORDER OF QUADRANGLE WEST ALONG SOUTH BORDER TO VALLES MINES, THENCE NORTH ALONG WEST BORDER TO HEMATITE, THENCE NORTHEAST ALONG MISSOURI PACIFIC RAILROAD TO NORTH BORDER
(by Edward Bandli in 1907)

(Continued from Renault quadrangle; see line 1.)

Bloomsdale, 3 mi. NW. of, at rd. forks in creek bed; top of rock	445.14
Bloomsdale, 4.1 mi. NW. of, on hillside, at SW. corner of curve in rd. in low brush across rock-bed ditch; iron post stamped "Mo 591"	590.283
Kinsey, on bottom step of saloon; chiseled mark	571.62
Kinsey, 0.8 mi. NW. of, at SE. corner of rd. forks; iron post stamped "Mo 717"	716.390
Kinsey, 3.2 mi. W. of, at junction of Crystal City and French Village rds., at milepost painted "French Village 5 miles"; iron post stamped "Mo 900"	899.904
Kinsey, 4 mi. W. of, on Bosler farm, between farmhouse and barn, in root of large oak tree; spike	913.50
Kinsey, 5.3 mi. W. of, 100 ft. from front of dwelling of S. P. Elliott, in root of 12-in. oak tree; spike	915.69
Kinsey, 6.8 mi. W. of, about 0.5 mi. NE. of Koester's mill, near NE. corner of new Koester School; iron post stamped "Mo 862"	862.090
Koester, 1.4 mi. S. of, about 150 ft. N. of rd. forks, at front of old stone foundation, in root of large oak tree; spike	861.69
Koester, 2.4 mi. SW. of, at rd. forks, on E. side of drain, in root of first tree; spike	698.26
Koester, 3 mi. SW. of, about 0.5 mi. E. of Rugley School, at top of wooded hill, on N. side of rd.; iron post stamped "Mo 816"	815.193
Koester, 4 mi. W. of, on side of Grandjean Hill, at rd. forks, in root of 36-in. oak tree; spike	848.01
Koester, 5 mi. W. of, at Sykes farm, 10 ft. NE. of orchard gate; top of pointed rock	842.20
Valles Mines, in sec. 5, T. 38 N., R. 5 E., 50 ft. W. of Mississippi River and Bonne Terre Ry. (now Missouri Pacific R.R.) at rd. crossing; iron post stamped "Prim Trav Sta No 3 1913 745"	744.985
Valles Mines, 1 mi. N. of, along Mississippi River and Bonne Terre Ry. (now Missouri Pacific R.R.), 100 ft. S. of rd. crossing opposite farm of E. F. Wadlow; top of rail	765.8
Valles Mines, 3.5 mi. NE. of, near W. sixteenth cor. sec. 22, T. 39 N., R. 5 E., on hillside, on W. side of rd.; iron post stamped "Mo 728"	727.469
Valles Mines, 4.5 mi. NE. of, along Mississippi River and Bonne Terre Ry. (now Missouri Pacific R.R.), 5 ft. W. of sta. at Oakvale, at junction of De Soto and Platin-Valles Mines rds., on sandstone ledge; chiseled square	593.20

*Part of this quadrangle lies in Illinois.

Valles Mines, 7.1 mi. N. of, in sec. 4, T. 39 N., R. 5 E., 25 ft. S. and 20 ft. W. from crossroads, near signpost marked "De Soto 6 mi. Platin 4 mi. Crystal City 8 mi."; iron post stamped "Prim Trav Sta No 2 1913 Mo 756"	Foot 755.240
Valles Mines, 11.2 mi. N. of, on W. side of creek, at ford near large barn, on rock; chiseled mark	446.98
Victoria, 2 mi. N. of, along Missouri Pacific R.R., 0.2 mi. S. of rd. crossing, opposite milepost 37; top of W. rail	441.7
Hematite, about 100 ft. NE. of Missouri Pacific R.R. sta., in top of head wall of concrete culvert; standard tablet stamped "Mo 434"	433.913
Hematite, 1.3 mi. NE. of, along Missouri Pacific R.R., at Donnell, 120 ft. SW. of rd. crossing, on SE. corner of concrete base of ladder to semaphore; chiseled mark	429.41
Hematite, 2.6 mi. NE. of, along Missouri Pacific R.R., 100 ft. S. of signboard marked "Silica 1 mile"; top of iron switch box	417.84
Silica, NW. of Missouri Pacific R.R. at rd. crossing, 40 ft. E. of store, at corner of right-of-way fence; iron post stamped "Mo 425"	425.096
Silica, 0.9 mi. N. of, along Missouri Pacific R.R., 300 ft. S. of overhead crossing of Missouri Pacific R.R. and St. Louis-San Francisco Ry., on NW. corner of concrete base of semaphore; chiseled mark	419.87

(Continued in Kimmswick quadrangle; see line 2.)

2. FROM MIDDLE OF SOUTH HALF OF EAST BORDER OF QUADRANGLE NORTHWEST TO PLATTIN, THENCE NORTH ALONG MISSISSIPPI RIVER & BONNE TERRE RAILWAY (now Missouri Pacific R.R.) TO FESTUS AND CRYSTAL CITY, THENCE NORTHWEST TO SILICA

(Continued from Renault quadrangle; see line 2.)

T. 39 N., R. 7 E., in NW 1/4 sec. 27, about 2.7 mi. SW. of Brickeys, 1 mi. NE. of junction of St. Louis Road and Brickeys rd., at top of large hill, on N. side of rd.; iron post stamped "Mo 860"	859.379
T. 39 N., R. 7 E., in S 1/2 sec. 28, about 3.7 mi. SW. of Brickeys, at junction of St. Louis Road and Brickeys rd., on sandstone ledge; chiseled mark	658.44
T. 39 N., R. 7 E., about 0.1 mi. W. of cor. secs. 17, 18, 19, and 20, on St. Louis Road, about 6.5 mi. W. of Brickeys, in front of Lebanon Church, in root of large tree; spike	409.68
Danby, 0.5 mi. S. of, on St. Louis Road, in NE 1/4 sec. 13, T. 39 N., R. 6 E., at sign marked "Festus 12 mi. Danby 0.5 mi. Rush Tower 4 mi.", in root of tree; spike	542.49
Danby, 0.8 mi. SW. of, on St. Louis Road, in SW 1/4 sec. 12, T. 39 N., R. 6 E., at junction of Danby rd., 140 ft. W. of dwelling; iron post stamped "Mo 494"	494.020
Danby, 4.4 mi. NW. of, on St. Louis Road, in W 1/2 sec. 3, T. 39 N., R. 6 E., at junction of Platin rd., in root of sign tree; spike	704.77
Danby, 5 mi. NW. of, near center sec. 4, T. 39 N., R. 6 E., about 3.2 mi. E. of Platin, on W. slope of ridge, 75 ft. above creek bottom, about 60 ft. S. of wagon track, in limestone ledge; standard tablet stamped "Mo 562"	562.164
Platin, about 1.8 mi. E. of, 6.2 mi. NW. of Danby, opposite dwelling at top of first ridge E. of Platin, in root of large oak tree; spike	681.58
Platin, 100 ft. W. of Mississipp River and Bonne Terre Ry. sta. (now Missouri Pacific R.R.), outside of right-of-way fence, in lot owned by R.R.; iron post stamped "Mo 440"	439.981
Genevieve, 150 ft. S. of Mississippi River and Bonne Terre Ry. sta. (now Missouri Pacific R.R.), SW. of rd. crossing; iron post stamped "423"	423.660
Genevieve, 1.1 mi. N. of, along Mississippi River and Bonne Terre Ry. (now Missouri Pacific R.R.), 400 ft. N. of milepost 7, at rd. crossing; top of W. rail	429.9
Genevieve, 1.7 mi. N. of, along Mississippi River and Bonne Terre Ry. (now Missouri Pacific R.R.), at rd. crossing; top of W. rail	407.7
Festus and Crystal City, 180 ft. SE. of Mississippi River and Bonne Terre Ry. sta. (now Missouri Pacific R.R.), outside of right-of-way fence, near open drain, under lone sycamore tree; iron post stamped "Mo 395"	394.711

3. FROM HEMATITE SOUTHWEST ALONG MISSOURI PACIFIC RAILROAD TO WEST BORDER OF QUADRANGLE (by R. P. Jones in 1930)

Hematite, 580 ft. S. of Missouri Pacific R.R. sta., 45 ft. S. and 14 ft. E. from rd. crossing, 25 ft. E. of cattle guard, 6 ft. S. of fence corner, inside right-of-way, in concrete post; standard tablet stamped "T T 21 L 1930"	439.472
Hematite, about 1.2 mi. S. of, along Missouri Pacific R.R., 2.1 mi. N. of Victoria, 260 ft. S. of private rd. crossing, on N. end of W. head wall of stone culvert; chiseled square	437.91

(Continued in De Soto quadrangle; see line 2.)

4. FROM HEMATITE SOUTH ALONG WEST BORDER OF QUADRANGLE TO POINT 7.1 MILES NORTHEAST OF VALLES MINES

Hematite, 2.4 mi. SE. of, at top of hill, on S. side of rd., in root of 18-in. cherry tree; copper nail and washer	626.99
Hematite, 3.2 mi. SE. of, 30 ft. E. of mail box of F. Hoffman, opposite junction of private rd. W., in root on W. side of 36-in. oak tree; copper nail and washer	696.07

Valles Mines, 8.5 mi. N. of, along U.S. Highway 61, 0.7 mi. N. of junction of State Highway 21, 70 ft. NW. of junction of rd. W.; top of right-of-way post Feet
734.81

5. IN MIDDLE OF WEST HALF OF QUADRANGLE, SOUTH ALONG UNITED STATES HIGHWAY 61 (by L. V. Johnson in 1930)

Valles Mines, 6.4 mi. N. of, along U.S. Highway 61, 40 ft. NE. of junction of private rd. E., 30 ft. N. of Marquette Cement Co. signboard, W. of two 6-in. oak trees, in 6-in. oak stump; copper nail and washer 729.08
 Valles Mines, about 5.4 mi. N. of, along U.S. Highway 61, in SW 1/4 sec. 9, T. 39 N., R. 5 E., NW. of E.-W. cross rd., 65 ft. NE. of log cabin service sta., on head wall of concrete culvert; chiseled square 789.58
 Valles Mines, 4.5 mi. N. of, along U.S. Highway 61, in NW 1/4 sec. 16, T. 39 N., R. 5 E., 20 ft. S. and 35 ft. W. from junction of rd. W., on S. side of fence, in 6-in. stump; copper nail and washer 797.79
 Valles Mines, about 3.6 mi. N. of, along U.S. Highway 61, about 1.2 mi. S. of Oakvale, 130 ft. NW. of junction of rd. SW., 15 ft. W. of highway, on W. head wall of concrete culvert; chiseled square 780.22
 Valles Mines, about 3.1 mi. N. of, along U.S. Highway 61, near S. sixteenth cor. between secs. 21 and 22, T. 39 N., R. 5 E., 40 ft. E. of junction of rd. NE., at corner fence post, in root on W. side of 10-in. hickory tree; copper nail and washer 804.81

6. IN WEST PART OF QUADRANGLE, SOUTHWEST ALONG MISSISSIPPI RIVER AND BONNE TERRE RAILWAY (now Missouri Pacific R.R.) TO VALLES MINES (by L. V. Johnson and H. P. Jones in 1930)

Valles Mines, 1.8 mi. N. of, along Mississippi River and Bonne Terre Ry. (now Missouri Pacific R.R.), about 130 ft. S. of E. sixteenth cor. between secs. 28 and 33, T. 39 N., R. 5 E., on W. side of track, in root on E. side of 9-in. oak tree; copper nail and washer 834.97
 Valles Mines, 1.1 mi. N. of, along Mississippi River and Bonne Terre Ry. (now Missouri Pacific R.R.), 45 ft. W. of private rd. crossing, in right-of-way fence, in top of S. end of fence-post brace; copper nail and washer 773.80
 Valles Mines, 7 1/4 ft. SW. of Mississippi River and Bonne Terre Ry. sta. (now Missouri Pacific R.R.), in fence line, in top of concrete post; standard tablet stamped "L H P J 1930" 746.031
 Reference mark, on top of first step at S. entrance to sta.; chiseled square 743.58

7. FROM POINT 7.1 MILES NORTHEAST OF VALLES MINES WEST TO WEST BORDER OF QUADRANGLE

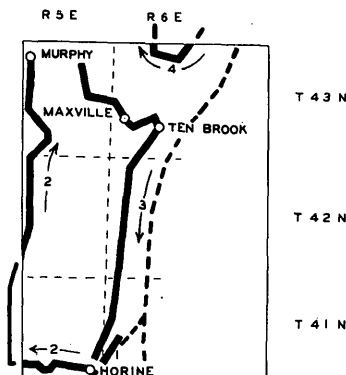
Valles Mines, 7.1 mi. N. and 0.6 mi. W. from, at bottom on W. side of large ravine, 150 ft. SW. of ford across creek, 80 ft. NE. of junction of private rd. S. to farmhouse, in fence line, in root on E. side of 30-in. walnut tree; copper nail and washer 584.90
 Flucum, 3 mi. W. and 1.2 mi. N. from, about 200 ft. NW. of Armbruster School, 35 ft. SW. of T-rd. S. to schoolhouse, at corner fence post, in root on N. side of 12-in. oak tree; copper nail and washer 752.17

(Continued in De Soto quadrangle; see line 7.)

For additional level lines along Mississippi River and Missouri Pacific R.R., refer to United States Coast and Geodetic Survey first-order line, St. Louis, Mo., to Cairo, Ill., and second-order line, Riverside to Williamsville.

KIMMSWICK QUADRANGLE*
(Latitude $38^{\circ}15' - 38^{\circ}30'$; longitude $90^{\circ}15' - 90^{\circ}30'$)

Jefferson and St. Louis Counties



1. IN SOUTH PART OF QUADRANGLE, FROM RIVERSIDE SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO HORINE (by Edward Bandli in 1907 and R. G. Clinite and G. W. Lucas in 1913)
- | | Feet |
|---|---------|
| U.S.C.E. B.M. designated "45/3" | 401.254 |
| Horine, in front of St. Louis-San Francisco Ry. sta.; top of rail | 434.3 |
2. FROM HORINE WEST TO WEST BORDER OF QUADRANGLE, THENCE NORTH TO NORTHWEST CORNER
(Continued from Crystal City quadrangle; see line 1.)
- | | |
|---|---------|
| Horine, opposite Missouri Pacific R.R. sta., 30 ft. W. of well, near corner of garden fence; iron post stamped "Mo 420" | 420.157 |
| Horine, 2.5 mi. W. of, on Hillsboro Road, at junction of rd. W., under 30-in. oak tree; iron post | 576.239 |
| Horine, 3.3 mi. W. of, at SW. end of bridge over creek, on concrete abutment; chiseled mark | 462.55 |
- (For balance in Pacific quadrangle, see line 3.)
- | | |
|--|---------|
| Goldman, 3 mi. NE. of, along Lemay Ferry Road, at bottom of large hill, in triangle formed by junction of rd. W.; iron post stamped "Mo 699" | 698.278 |
| Bulltown, in NW. corner of intersection of Lemay Ferry Road and Barnhart rd., 100 ft. N. of saloon, at corner of feed yard; iron post stamped "Prim Trav Sta No 4 1913 Mo 511" | 510.277 |
| Bulltown, 4.3 mi. NW. of, 80 ft. NE. of Four Ridge School, 6 ft. S. of rd., under lone oak tree; iron post stamped "Mo 939" | 938.017 |
| Bulltown, 8 mi. N. of, 0.4 mi. E. of Leight School, 200 ft. NW. of Yates farmhouse, at rd. forks; iron post | 805.670 |
| Murphy, on Gravois Rock Road, 50 ft. NE. of store, 5 ft. S. of rd.; iron post stamped "Mo 582" | 581.940 |
3. FROM NORTH BORDER OF QUADRANGLE SOUTH AND EAST TO TEN BROOK, THENCE SOUTH ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO HORINE
- | | |
|---|---------|
| Fenton, 1 mi. S. of, near gate to Horseshoe Lake Farm belonging to Paul Brown, at corner fence post, in root of oak tree; copper nail | 440.38 |
| Fenton, 2.1 mi. S. of, 150 ft. E. of small dwelling, at rd. forks, in root of 24-in. black-oak tree; copper nail | 584.07 |
| Fenton, 3.2 mi. S. of, at NW. corner of Saline School, in foundation; standard tablet | 439.234 |
| Fenton, 4.7 mi. S. of, 100 ft. S. of old sawmill, 40 ft. E. of open well, 8 ft. N. of rd., in root of white-oak tree; copper nail | 408.89 |
| Fenton, 5.8 mi. SE. of, 100 ft. N. of creek, 400 ft. SE. of dwelling, at rd. forks, in root of 36-in. oak tree; copper nail | 415.66 |
| Maxville, 10 ft. N. of Lemay Ferry Road, opposite store of Becker Bros., on property of Dr. Baker, 3 ft. S. of picket fence; iron post stamped "Mo 578" | 577.500 |
| Maxville, 1 mi. E. of, 150 ft. N. of small store, 20 ft. E. of dwelling, at rd. forks, in root of small cedar tree; copper nail | 605.44 |
| Ten Brook, 600 ft. S. of St. Louis-San Francisco Ry. sta., SE. of track at rd. crossing, inside right-of-way; iron post stamped "Mo 429" | 428.215 |
| Hencke, 60 ft. SE. of St. Louis-San Francisco Ry. sta., outside right-of-way; iron post stamped "Mo 500" | 499.613 |

*Part of this quadrangle lies in Illinois.

West Kimmswick, 75 ft. SE. of St. Louis-San Francisco Ry. sta., at end of right-of-way fence S. of rd.; iron post stamped "Mo 447"	Feet 446.210
Barnhart, 200 ft. SW. of St. Louis-San Francisco Ry. sta., 50 ft. W. of right-of-way fence, on W. side of rd., 4 ft. S. of wire gate; iron post stamped "Mo 439"	438.119
Schmitt, 75 ft. SE. of St. Louis-San Francisco Ry. sta., at rd. forks, outside right-of-way fence corner; iron post stamped "Mo 518"	517.636

4. NEAR MIDDLE OF NORTH BORDER OF QUADRANGLE (by George W. Moore in 1931)

(Continued from West St. Louis quadrangle; see line 11.)

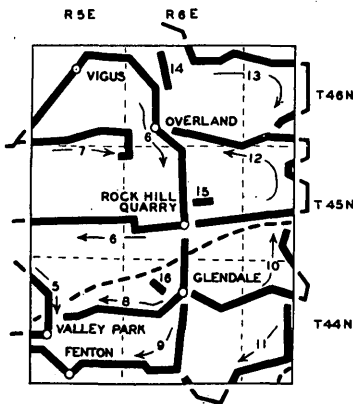
Mehlville, at junction of Lemay Ferry Road and Mehl Avenue, 30 ft. W. of junction of rd. SE., on top of N. head wall at W. end of concrete culvert; chiseled square	545.34
Mehlville, near Farmers Hall, 115 ft. SW. of T-rd. NW., on hill, on S. side of rd., on top of W. head wall at S. end of large concrete culvert; chiseled square	487.08
Lemay Ferry Road and Mattese Road, 180 ft. NE. of junction of, on top of W. guardrail at S. end of concrete bridge over Mattese Creek; chiseled square	454.21
Sappington, 3.6 mi. SSE. of, 20 ft. S. and 40 ft. E. from junction of private rd., at curve in Mattese Road, on center of large concrete culvert; chiseled square	552.26

(Continued in West St. Louis quadrangle; see line 11.)

For additional level lines along Mississippi River and Missouri Pacific Railroad, refer to United States Coast and Geodetic Survey first-order line, St. Louis, Mo., to Cairo, Ill.; and second-order line, Riverside to Williamsville.

WEST ST. LOUIS QUADRANGLE*
(Latitude $38^{\circ}30' - 38^{\circ}45'$; longitude $90^{\circ}15' - 91^{\circ}30'$)

Jefferson and St. Louis Counties and city of St. Louis



1. FROM ST. LOUIS WEST ALONG HIGHWAY TO BARRETT, THENCE SOUTH TO VALLEY PARK AND EAST BY WAY OF MEHLVILLE, TO ST. LOUIS (not shown on diagram)
(by L. Scott Smith in 1903 and G. W. Lucas in 1913)

St. Louis, at city limits, 260 ft. W. of junction of Manchester Avenue and Blenton Place, on S. side of avenue, on NE. angle of cross on top of city limit stone 71; bottom of chiseled square	482.36
Kirkwood, S. of Main Street, in SW. abutment of bridge across Missouri Pacific R.R. tracks; aluminum tablet stamped "St. Louis 648"	647.643
Barrett, 1 mi. NE. of Missouri Pacific R.R. sta., on SE. abutment of iron bridge over Sugar Creek; center of chiseled square	446.22
Fenton, 2 mi. NW. of, in schoolyard, in root of large oak tree; nail	434.24
Fenton, on SW. abutment of iron bridge over Meramec River; chiseled square	423.19
Mehlville, 0.2 mi. NW. of, on S. side of rd., in stone culvert; aluminum tablet stamped "St. Louis 595"	592.410

* A small part of this quadrangle, near its southeast corner, lies in Illinois.

2. AT CLAYTON (not shown on diagram)

Clayton, NW. of courthouse, on courthouse grounds, in large square stone; aluminum tablet stamped "St. Louis 610"	<u>Feet</u> 608.911
--	------------------------

3. IN VICINITY OF CREVE COEUR (not shown on diagram)

Fernridge, 0.2 mi. E. of post office, on S. side of intersection of Mason and Olive Streets, in stone culvert; aluminum tablet stamped "St. Louis 559"	558.676
Creve Coeur, 1 mi. E. of post office, at rd. fork N., just N. of telegraph pole, in center of triangle, on top of sec. stone; chiseled cross	683.00

4. NEAR FENTON (not shown on diagram)

Murphy, 1.3 mi. NE. of, on Gravois Road, at rd. forks, 150 ft. W. of dwelling, in root of tree supporting mail boxes; copper nail	574.90
--	--------

5. NEAR MIDDLE OF SOUTH HALF OF WEST BORDER OF QUADRANGLE (by E. W. Gouchenour in 1930)
(Continued from Manchester quadrangle; see line 2.)

Manchester, 1.5 mi. SE. of, along Meramec Station Road, 93 ft. SE. of mail box of Theodore Probst, on E. end of stone culvert; chiseled square	626.00
Manchester, 2.1 mi. SE. of, on Manchester-Valley Park rd., 500 ft. SE. of top of hill, 10 ft. N. and 15 ft. E. from junction of rd. E., on head wall of stone culvert; chiseled square	612.91
Valley Park, at NW. corner of Missouri Pacific R.R. overhead bridge, 7 ft. N. of N. corner of W. head wall, 1 ft. W. of concrete sidewalk, in concrete post; standard tablet stamped "T 14 E 1930"	426.906
Reference mark, on N. end of concrete base of central pier of overhead bridge; chiseled square	427.07
Valley Park, on S. side of Missouri Pacific R.R. track, at W. corner of concrete pavement; (mark not described)	425.34
Valley Park, 0.4 mi. S. of, 300 ft. W. of crossroads, on N. end of concrete culvert; chiseled square	420.76

(Continued in Manchester quadrangle; see line 2.)

6. FROM WEST BORDER OF QUADRANGLE, NORTHEAST ALONG CHICAGO, ROCK ISLAND & PACIFIC RAILWAY TO NORTH BORDER, THENCE SOUTH THROUGH MIDDLE OF NORTH HALF TO CENTER OF QUADRANGLE, THENCE WEST TO WEST BORDER (by George W. Moore in 1931)
(Continued from Manchester quadrangle; see line 12.)

Creve Coeur Lake, 0.3 mi. S. of Chicago, Rock Island & Pacific Ry. sta., 520 ft. NE. of rd. crossing, 255 ft. SW. of rd. forks, on top at middle of S. guardrail of concrete culvert; chiseled square	457.39
U.S.C.E. B.M. designated "25"	
Bolt	446.535
Top of cap	450.603
Creve Coeur Lake, 1.4 mi. N. of Chicago, Rock Island & Pacific Ry. sta., 220 ft. N. and 50 ft. E. from rd. crossing, 220 ft. N. of T-rd. W., at E. edge of rd., in root on W. side of 54-in. elm tree; copper nail and washer	448.00
Creve Coeur Lake, 2.2 mi. N. of Chicago, Rock Island & Pacific Ry. sta., 920 ft. W. of Marine Avenue crossing, in top at NE. corner of bridge 196 over Feelee Creek; last driftbolt	451.28
Vigus, 0.5 mi. SW. of, along Chicago, Rock Island & Pacific Ry., in top at NE. corner of bridge 185 over Louiselle Creek; driftbolt	450.58
Vigus, 95 ft. W. of Chicago, Rock Island & Pacific Ry. sta., 25 ft. S. and 40 ft. W. from rd. crossing, in concrete post; standard tablet stamped "30 M 1931"	461.106
Reference mark, 300 ft. N. and 80 ft. E. from rd. crossing, on W. side of sta., 80 ft. E. of rd. forks, at SE. corner of bridge, on top of N. end of E. wing wall; chiseled square	452.87
Vigus, 0.8 mi. NE. of, on top of E. end of N. head wall of concrete culvert; chiseled square	524.92
Vigus, 1.2 mi. NE. of, 20 ft. S. and 35 ft. W. from junction of McKelvey Road S., in top of elm stump; copper nail and washer	589.82
Vigus, 1.5 mi. NE. of, 50 ft. W. of junction of McKelvey Road and old St. Charles Rock Road, in root on NE. side of 15-in. pine tree; copper nail and washer	612.67
Pattonville, 0.5 mi. NW. of, along St. Charles Rock Road, 28 ft. N. of Orchard Lunch Room, 30 ft. S. of rd., in root on NW. side of 16-in. maple tree; copper nail and washer	565.20
Pattonville, 155 ft. NW. of junction of St. Charles Rock and Fee Fee Church Roads, 9 ft. N. of E. corner of brick garage, on top of platform of filling sta. pump; chiseled square	625.40
Pattonville, 0.4 mi. SE. of, along U.S. Highways 40 and 61 (St. Charles Rock Road), 45 ft. SW. of junction of State Highway 77 (Lindbergh Boulevard), in small park, on top of concrete stop-signal block; chiseled square	578.23
Pattonville, 0.9 mi. SE. of, along U.S. Highways 40 and 61 (St. Charles Rock Road), 100 ft. NW. of junction of rd. to Bridgeton, on top of E. end of N. head wall of concrete culvert under electric R.R.; chiseled square	563.23

Pattonville, 1.7 mi. SE. of, along U.S. Highways 40 and 61 (St. Charles Rock Road), in top of E. end of N. head wall of large bridge over Dawson Creek; standard tablet stamped "32 M 1931"	Feet 557.898
Reference mark, 45 ft. W. of junction of Ashby Road, on top of S. end of W. head wall of concrete culvert; chiseled square	573.84
Pattonville, 2.6 mi. SE. of, along U.S. Highway 40 (St. Charles Rock Road), 300 ft. W. of junction of Edmundson rd., on top at W. end of N. head wall of bridge over Goldwater Creek; chiseled square	567.31
Overland, at N. edge of, 51 ft. W. of junction of U.S. Highway 40 (St. Charles Rock Road) and Woodson Road, 21 ft. N. of E. corner of filling sta., on top of concrete curb; chiseled square	594.75
Overland, 180 ft. S. and 35 ft. E. from junction of Midland Boulevard, Woodson Road, and electric R.R., on SW. corner of bottom step of Wisconsin Store & Creamery Co.; chiseled square	605.51
Overland School, 37 ft. N. of SW. corner of schoolyard, 265 ft. N. of junction of Lackland Avenue and Woodson Road, in concrete post; standard tablet stamped "33 M 1931"	641.197
Overland, 1 mi. S. of, 50 ft. N. and 85 ft. E. from junction of Page Boulevard and Woodson Road, on top of E. end of N. head wall of concrete culvert; chiseled square	566.99
Overland, 1 mi. S., thence 0.7 mi. W. from, 0.3 mi. N. of Elmwood Park, 23 ft. N. and 75 ft. E. from Page Boulevard at rd. S., on top of N. head wall of small concrete culvert; chiseled square	627.71
Elmwood Park, 220 ft. N. of St. Louis Public Service Company Ry. at crossing of Elmwood Avenue, 11 ft. W. of SE. corner of yard of Elmwood Park School, in concrete post; standard tablet stamped "34 M 1931"	598.000
Reference mark, on top at SE. corner of bottom concrete step to school-house; chiseled square	599.65
Elmwood Park, 0.7 mi. S. of, 23 ft. N. and 50 ft. W. from junction of Olive Street Road and rd. N., at Kepper's service sta., on top of SE. corner of concrete base of gasoline pump; chiseled square	662.23
Olivette, SW. of junction of Olive Street and Price Roads, 8 ft. N. of NE. corner of Olivette Market, on top of platform; chiseled square	599.98
T. 45 N., R. 6 E., near center sec. 5, 25 ft. N. and 75 ft. E. from junction of Bon Homme and Price Roads, 10 ft. S. of fence at entrance to Central School, on top of bottom step; chiseled square	620.13
T. 45 N., R. 6 E., center sec. 8, 48 ft. S. and 23 ft. W. from junction of Ladue and Price Roads, 18 ft. S. and 3 ft. W. from fence corner, on golf club grounds, in concrete post; standard tablet stamped "38 M 1931"	539.762
Reference mark, NE. of junction of rds. on top of S. side of concrete drain well; chiseled square	540.54
Price, 35 ft. S. and 30 ft. W. from junction of Clayton and Price Roads, at inn, on NE. corner of concrete platform; chiseled square	603.71
Price, SE. of junction of Clayton and Lay Roads, in NW. fence corner, in root on NW. side of 25-in. elm tree; copper nail and washer	569.87
T. 45 N., R. 6 E., near E. sixteenth cor. between secs. 17 and 20, on top of S. end of W. head wall of large concrete culvert; chiseled square	523.83
Rock Hill Quarry, about 0.3 mi. N. of, 33 ft. S. and 55 ft. W. from T-rd. N., 33 ft. S. and 300 ft. E. from T-rd. S., 17 ft. S. and 20 ft. E. from fence corner, in concrete post; standard tablet stamped "39 M 1931"	488.169
Reference mark, 30 ft. N. and 30 ft. E. from T-rd. N., 7 ft. E. of fence corner, on concrete post; chiseled cross	492.68
Rock Hill Quarry, 1 mi. NW. of, 78 ft. E. of Missouri Pacific R.R. at rd. crossing, on top of W. end of N. head wall of concrete culvert; chiseled square	479.00
Rock Hill Quarry, 1.7 mi. NW. of, 20 ft. N. and 50 ft. W. from rd. forks, in root on SW. side of 30-in. elm tree; copper nail and washer	527.03
T. 45 N., Rs. 5 and 6 E., near quarter cor. between secs. 19 and 24, 60 ft. N. of T-rd. E., NW. of T-rd. W., on top of E. end of N. head wall of concrete culvert; chiseled square	583.36
T. 45 N., Rs. 5 and 6 E., near S. sixteenth cor. between secs. 13 and 18, 30 ft. S. and 245 ft. E. from T-rd. S., 30 ft. S. and 160 ft. E. from E. end of large bridge, 30 ft. S. and 105 ft. W. from small bridge, 45 ft. S. of W. corner of small park, in concrete post; standard tablet stamped "40 M 1931"	500.644
Reference mark, on N. end of E. wing wall of large bridge over Deer Creek; chiseled square	506.69
T. 45 N., R. 5 E., near quarter cor. between secs. 13 and 24, 42 ft. N. and 24 ft. W. from junction of U.S. Highway 61 (Lindbergh Boulevard) and Clayton Road, on top of concrete base of stop signal; chiseled square	576.66
T. 45 N., R. 5 E., near cor. secs. 13, 14, 23, and 24, 20 ft. S. and 165 ft. E. from Clayton Road at Spoede Road N., on top of NW. corner of concrete base of filling sta. pump; chiseled square	605.70
T. 45 N., R. 5 E., near cor. secs. 14, 15, 22, and 23, 43 ft. N. and 345 ft. W. from Clayton Road at private rd. S. to country club, in root on S. side of 30-in. oak tree; copper nail and washer	653.69
T. 45 N., R. 5 E., near quarter cor. between secs. 21 and 22, 35 ft. N. of Clayton Road at rd. S., in root on NE. side of 24-in. maple tree; copper nail and washer	671.68
T. 45 N., R. 5 E., near W. sixteenth cor. sec. 21, 25 ft. N. and 42 ft. W. from Clayton Road at cross rd., in root on S. side of 20-in. cherry tree; copper nail and washer	670.42
T. 45 N., R. 5 E., in NW 1/4 sec. 20, 28 ft. SW. of Clayton Road, 52 ft. W. of Mason Road S., in concrete post; standard tablet stamped "42 M 1931"	640.842
Reference mark, 26 ft. N. of junction of Clayton and Mason Roads, in root on NE. side of 20-in. hickory tree; copper nail and washer	639.21

T. 45 N., R. 5 E., near center of NE 1/4 sec. 19, 28 ft. S. and 250 ft. E. from junction of Clayton and Broomstick Roads, in root on NE. side of 30-in. elm tree; copper nail and washer

Feet
678.56

7. FROM WEST BORDER OF QUADRANGLE NORTHEAST AND EAST TO LACKLAND, THENCE SOUTH ABOUT 1.5 MILES

Lake, 1.7 mi. E. of, 240 ft. W. of Olive Street Road at rd. NW., on top of N. parapet wall of E. abutment of bridge over Creve Coeur Creek; chiseled square 469.69
 Fernridge, NE. of Olive Street Road at cross street, on top of NE. corner of large, concrete drain wall; chiseled square 543.40
 Fernridge, 0.4 mi. SE. of, 38 ft. N. and 25 ft. W. from Olive Street Road at Mason Road S., in concrete post; standard tablet stamped "35 M 1931" 563.661
 Fernridge, about 0.6 mi. SE. of, 0.2 mi. E. of junction of Olive Street Road and Mason Road S., SE. of Olive Street Road at rd. S., in W. end of S. head wall of rough-stone culvert; aluminum tablet stamped "St. Louis 559" 558.676
 Reference mark, in NW. corner of wooden bridge over Missouri Pacific R.R.; top of driftbolt 568.48
 Creve Coeur School, 0.9 mi. S. of, on Fee Fee Church Road, on top of W. parapet wall of N. abutment of steel bridge; chiseled square 505.24
 Creve Coeur School, 120 ft. E. of Fee Fee Church Road at rd. E., 20 ft. N. of rd., 10 ft. N. of SW. corner of fence around schoolyard, in concrete post; standard tablet stamped "36 M 1931" 639.222
 Reference mark, 68 ft. E. of tablet, in root on N. side of 15-in. maple tree; copper nail and washer 639.68
 Creve Coeur School, 1 mi. E. of, on Lackland Avenue, on top of E. end of S. head wall of concrete culvert; chiseled square 506.51
 Creve Coeur School, 1.2 mi. E. of, on Lackland Avenue, SW. of junction of rd. S., on top of W. head wall of concrete culvert; painted square 541.36
 Creve Coeur School, 1.6 mi. E. of, on Lackland Avenue, 75 ft. W. of junction of rd. NW., in root on E. side of 15-in. black-oak tree; copper nail and washer 527.50
 Lackland, 1.3 mi. NW. of, 38 ft. S. of Chicago, Rock Island & Pacific Ry. at crossing of Lackland Avenue, 24 ft. SW. of track, in concrete post; standard tablet stamped "37 M 1931" 583.077
 Reference mark, 25 ft. NW. of Lackland Avenue, 70 ft. W. of rd. crossing, in root on SE. side of 18-in. oak tree; copper nail and washer 577.70
 Lackland, 0.3 mi. W. of, 57 ft. N. of Chicago, Rock Island & Pacific Ry., opposite telephone pole 15-5, in root on S. side of 14-in. oak tree; copper nail and washer 629.91
 Lackland, 92 ft. W. of SW. corner of Chicago, Rock Island & Pacific Ry. sta., 31 ft. NW. of track at crossing of Link Road, in SW. corner of concrete base of R.R. tower; top of bolt painted white 639.34
 Lackland, 1 mi. S. of, 25 ft. S. of Olive Street Road, 68 ft. E. of Link Road S., 47 ft. E. of Link Road N., on top of NW. corner of concrete sewer well; chiseled square 714.59
 Morgan triangulation sta., in NW 1/4 sec. 1, T. 45 N., R. 5 E., about 600 ft. W. of Link Road, 275 ft. S. of Olive Street Road, on land belonging to Moses Grunerfelder, in concrete post; standard disk stamped "Morgan 1871 1931" 720.484
 Reference mark, 235 ft. N. of tablet, in concrete post; standard disk stamped "Morgan 1871" 711.766

8. FROM ROCK HILL QUARRY SOUTH TO GLENDALE, THENCE WEST TO POINT NEAR WEST BORDER OF QUADRANGLE

Rock Hill Quarry, 0.4 mi. S. of, 120 ft. W. of Manchester Road at rd. N. to quarry, 35 ft. W. of Leon Hard Drive, at N. edge of street, on top of curb; chiseled square 528.09
 T. 45 N., R. 6 E., in SE. cor. sec. 30, 230 ft. W. of Berry Road S. from Manchester Road, 27 ft. S. and 22 ft. E. from junction of Manchester and Monier Place Roads, in concrete post; standard tablet stamped "43 M 1931" 582.617
 Reference mark, 15 ft. E. of junction of Manchester and Monier Place Roads, at N. edge of street, on top of curb; chiseled square 582.49
 T. 45 N., R. 6 E., near quarter cor. between secs. 31 and 32, NW. of Berry Road at cross rd., on N. end of W. head wall of large stone culvert; chiseled cross 584.77
 Electric R.R. at crossing of Berry Road; top of N. rail 550.9
 T. 44 N., R. 6 E., 0.2 mi. N. of quarter cor. between secs. 5 and 6, 50 ft. N. and 65 ft. E. from junction of Berry Road and Lockwood Avenue, 35 ft. E. of electric R.R., on top of curb, in square; chiseled cross 621.60
 Glendale, W. of Missouri Pacific R.R. sta., at rd. crossing; top of N. rail 600.3
 Glendale, W. of St. Louis-San Francisco Ry. sta., at rd. crossing; top of S. rail 601.4
 Glendale, cor. secs. 5, 6, 7, and 8, T. 44 N., R. 6 E., 133 ft. N. and 22 ft. W. from Berry Road at Big Bend Road E. and W.; 10 ft. N. of fence corner, in concrete post; standard tablet stamped "44 M 1931" 580.685
 Reference mark, 170 ft. N. and 32 ft. E. from junction of rds., in root on NW. side of 17-in. oak tree; copper nail and washer 581.87
 Kirkwood, 1 mi. S. and 1 mi. E. from, 300 ft. SW. of Sappington Road, 25 ft. SE. of Big Bend Road, on private drive, on top of S. end of E. head wall of concrete culvert; chiseled square 628.04
 Kirkwood, 1 mi. S. of, near center sec. 12, T. 44 N., R. 5 E., 48 ft. N. and 125 ft. E. from U.S. Highway 61 and State Highway 77 (Lindbergh Boulevard) at Big Bend Road, on SW. corner of concrete platform of store; chiseled square 632.34

Windsor Spring, near quarter cor. between secs. 11 and 12, T. 44 N., R. 5 E., 18 ft. N. and 240 ft. E. from junction of Big Bend and Geyer Roads, 18 ft. N. and 76 ft. E. from St. Louis-San Francisco Ry. at rd. crossing, on NE. side of concrete reservoir; chiseled square	Feet 632.59
Windsor Spring, 0.5 mi. W. of, near center sec. 11, T. 44 N., R. 5 E., 20 ft. S. and 40 ft. W. from junction of Big Bend Road and Couch Avenue, on top at N. end of E. head wall of concrete culvert; chiseled square	669.23
Windsor Spring, 0.8 mi. W. of, near W. sixteenth cor. sec. 11, T. 44 N., R. 5 E., 10 ft. N. and 40 ft. W. from junction of Marshall Road SW., in concrete post; standard tablet stamped "45 M 1931"	668.390
Meramec Highlands, about 0.1 mi. W. of center sec. 10, T. 44 N., R. 5 E., 70 ft. W. of Quinette Road at rd. NW., at Marquiz car stop, on top of concrete curb; chiseled square	620.44
T. 44 N., R. 5 E., in NE 1/4 SE 1/4 sec. 9, 155 ft. W. of junction of Quinette and Barrett Station Roads, 25 ft. N. of rd., in root on N. side of 20-in. elm tree; copper nail and washer	633.03
Keyes Summit, about 0.6 mi. W. of, near E. sixteenth cor. sec. 8, T. 44 N., R. 5 E., (actually in land grant), 19 ft. N. and 175 ft. E. from T-rd. N., 60 ft. S. of rd., in concrete post; standard tablet stamped "46 M 1931"	431.261
Reference mark, on top of S. wing wall of W. abutment of steel bridge over creek; chiseled square	436.36
9. SOUTH THROUGH MIDDLE OF SOUTH HALF OF QUADRANGLE, THENCE WEST ALONG WEST HALF OF SOUTH BORDER	
Glendale, 1 mi. SE. of, 260 ft. N. of U.S. Highway 66 at junction of rd., 100 ft. NE. of rd. NW., 90 ft. SW. of SW. corner of Glendale School, in root on E. side of 15-in. elm tree; copper nail and washer	565.20
Sappington, 1.5 mi. N. of, 50 ft. S. and 50 ft. E. from junction of U.S. Highway 66 (Watson Road) and Sappington Road SE., in yard, in root on NW. side of 24-in. pine tree; copper nail and washer	620.90
Sappington, 0.5 mi. N. of, cor. secs. 17, 18, 19, and 20, T. 44 N., R. 6 E., 33 ft. N. and 17 ft. W. from Sappington Road at E.-W. cross rd., 4 ft. W. of mail boxes, in concrete post; standard tablet stamped "47 M 1931"	614.956
Sappington, near quarter cor. between secs. 19 and 20, T. 44 N., R. 6 E., 350 ft. N. of State Highway 30 (Gravois Road), 120 ft. N. and 35 ft. W. from Sappington Road at cross rd., on top of S. end of W. head wall of concrete culvert; chiseled square	596.68
Sappington, 0.5 mi. S. of, cor. secs. 19, 20, 29, and 30, T. 44 N., R. 6 E., NW. of junction of U.S. Highway 61 and State Highway 77 (Lindbergh Boulevard) and Sappington Road, on top of S. end of W. head wall of concrete culvert; chiseled square	638.79
Sappington, 1 mi. S. of, near quarter cor. between secs. 29 and 30, T. 44 N., R. 6 E., 73 ft. S. of Sappington Road at rd. E., on top of W. wing wall of S. abutment of small bridge; chiseled square	586.66
Sappington, 1.6 mi. S. of, 200 ft. SE. of junction of Kennerly and Sappington Roads, on top of E. wing wall of N. abutment of steel bridge; chiseled square	596.85
Sappington, 2.3 mi. S. of, 42 ft. N. of junction of Tesson Ferry Road and Kennerly Road NW., in concrete post; standard tablet stamped "48 M 1931"	610.554
Reference mark, 900 ft. SW. of Kennerly Road NW., 590 ft. NE. of T-rd. W., on top of S. wing wall of W. abutment of small bridge; chiseled square	595.48
Tesson Ferry and Kennerly Roads, 1.3 mi. W. of junction of, on Schuessler Road, opposite dwelling of J. Jaschke, 18 ft. N. of rd., 12 ft. W. of SE. corner of barn, in root on SW. side of 18-in. maple tree; copper nail and washer	537.08
T. 44 N., R. 5 E., near center sec. 36, 0.7 mi. SE. of State Highway 30 (Gravois Road), near end of Menz Hill Road, 42 ft. NW. of T-rd. NW., 35 ft. W. of rd. junction, on W. bank of creek, on N. side of rd., in concrete post; standard tablet stamped "49 M 1931"	423.947
Fenton, 0.7 mi. E. of bridge, 0.1 mi. W. of State Highway 30 (Gravois Road) at field rd. SE., 40 ft. N. of highway, on top at W. end of concrete base of gasoline pump; chiseled square	419.31
Penton, on top of E. parapet wall of N. abutment of steel bridge G-482 over Meramec River; chiseled cross	426.79
Fenton, at W. edge of, 26 ft. S. and 110 ft. E. from State Highway 30 (Gravois Road) at Smizer Road NW., in concrete post; standard tablet stamped "50 M 1931"	426.434
Reference mark, 0.2 mi. E. of State Highway 30 (Gravois Road) at Smizer Road, on top of N. head wall of concrete culvert; chiseled square	424.23
Fenton, 1 mi. SW. of, 0.2 mi. NE. of Jefferson-St. Louis county line, 50 ft. W. of State Highway 30 (Gravois Road) at private rd. W., on top of N. parapet wall of E. abutment of small bridge; chiseled square	476.88
Fenton, 1.7 mi. SW. of, 23 ft. N. and 35 ft. W. from Hawkins Road at cross rd., 17 ft. E. of fence corner, on ledge; chiseled square	579.34
T. 44 N., R. 5 E., in SE 1/4 SW 1/4 sec. 32 (actually in land grant), 19 ft. S. and 100 ft. E. from Hawkins Road at private drive to summer cottage, in root on N. side of 12-in. oak tree; copper nail and washer	659.22
Valley Park, 3 mi. S. of, on line between secs. 31 and 32, T. 44 N., R. 5 E., 40 ft. W. of curve in Hawkins Road from E.-N. at rd. S., 50 ft. NE. of farmhouse, in concrete post; standard tablet stamped "51 M 1931"	625.315

Valley Park, about 2.4 mi. S. of, on line between secs. 31 and 32, T. 44 N., R. 5 E., 30 ft. N. and 28 ft. E. from Hawkins Road at curve from S.-NE., 18 ft. NE. of fence corner, in root on SE. side of 10-in. oak tree; copper nail and washer	<u>Feet</u> 605.63
Valley Park, 2 mi. S. of, in SW 1/4 sec. 29, T. 44 N., R. 5 E., 20 ft. W. of triangle formed by junction of Hawkins and Vandover Roads, 65 ft. E. of NE. corner of cottage, in saddle of twin oak tree; copper nail and washer	599.18
T. 44 N., R. 5 E., in SW 1/4 NE 1/4 sec. 30, 165 ft. E. of T-rd. E., on top of S. wing wall of W. abutment of culvert; chiseled square	469.34
10. FROM POINT 1 MILE SOUTHEAST OF GLENDALE, EAST AND NORTH TO EAST BORDER OF QUADRANGLE, THENCE NORTH TO POINT NEAR MIDDLE OF EAST BORDER	
T. 44 N., R. 6 E., quarter cor. between secs. 8 and 9, E. of rd. forks, 130 ft. E. of Rock Hill Road, 45 ft. E. of Elm Street, 40 ft. N. of rd., in yard, on top at SE. corner of base of filling sta. pump; chiseled square	617.37
T. 44 N., R. 6 E., in SW 1/4 sec. 9, 440 ft. E. of rd. forks, at S. edge of Rock Hill Road, in root on NE. side of 12-in. elm tree; copper nail and washer	617.82
St. Paul Cemetery, 30 ft. E. of private rd. to dwelling of superintendent, on top of concrete culvert; painted square	602.86
T. 44 N., R. 6 E., in NE 1/4 sec. 16, 135 ft. W. of junction of Rock Hill and Leclade Roads, 18 ft. SW. of Rock Hill Road, in concrete post; standard tablet stamped "63 M 1931"	605.342
Reference mark, 50 ft. W. of tablet, in root on S. side of 20-in. oak tree; copper nail and washer	603.82
Afton, at W. edge of, near center sec. 15, T. 44 N., R. 6 E. (actually in land grant), 30 ft. N. and 55 ft. E. from State Highway 30 (Gravois Road) at Rock Hill Road, on top at W. end of base of filling sta. pump; chiseled square	608.79
Afton, 130 ft. NE. of St. Louis-San Francisco Ry. at crossing of State Highway 30 (Gravois Road), 25 ft. N. of highway, on SE. corner of concrete platform of store; chiseled square	559.54
Afton, about 0.4 mi. NE. of, near N. sixteenth cor. sec. 14, T. 44 N., R. 6 E., SE. of State Highway 30 (Gravois Road) at Weber Road, on top of NE. corner of sewer well; chiseled square	549.74
Gardenville, about 0.4 mi. SW. of St. Louis city limits, 205 ft. SW. of State Highway 30 (Gravois Road) at crossing of Heege Road, 38 ft. SE. of Gravois Road, 30 ft. W. of NW. corner of St. George's Church, in concrete post; standard tablet stamped "64 M 1931"	514.589
Reference mark, 60 ft. E. of crossroads, on top at NE. corner of bottom step of Gardenville Masonic Temple; chiseled square	511.28
St. Louis, near SW. limits of, 36 ft. N. of Gravois Avenue (State Highway 30), at NE. corner of large concrete bridge over River Des Peres drainage channel, on sidewalk; chiseled square	425.73
River Des Peres drainage channel, 0.7 mi. NE. of, 50 ft. E. of Gravois Avenue (State Highway 30) at Loughborough Avenue, on top of S. corner of sewer well; chiseled square	470.08
River Des Peres drainage channel, 1.1 mi. NE. of, SW. of Gravois Avenue (State Highway 30) at Milentz Avenue, on top of N. corner of sewer well; chiseled square	468.54
River Des Peres drainage channel, 1.6 mi. NE. of, 40 ft. E. of Gravois Avenue (State Highway 30) at Bates Street, on S. corner of sewer well; chiseled square	478.85
South St. Louis, 40 ft. E. of Missouri Pacific R.R. at crossing of Bates Street, 22 ft. NE. of street, on top of S. corner of sewer well; chiseled square	444.51
South St. Louis, 75 ft. S. and 90 ft. E. from junction of Grand Boulevard and Bates Street, at S. corner of Standard Oil filling sta. property, in concrete post; standard tablet stamped "65 M 1931"	445.960
Reference mark, 86 ft. NE. of tablet, on NE. corner of sewer well; chiseled square	444.62
(For balance in East St. Louis quadrangle, see line 1.)	
St. Louis, 21 ft. S. and 33 ft. E. from junction of Parker Avenue and Russell Place, between sidewalk and curb, in concrete post; standard tablet stamped "66 M 1931"	490.539
Reference mark, 36 ft. N. of tablet, on top of NE. corner of sewer well; chiseled square	490.00
Tower Grove Park, 0.6 mi. W. of NE. corner of, 23 ft. S. and 38 ft. W. from junction of Magnolia and Thurman Avenues, at W. edge of side entrance to park, on top of NE. corner of sewer well; chiseled square	497.02
Tower Grove Avenue and Flora Place, 25 ft. S. and 50 ft. W. from junction of, at N. corner of entrance to Missouri Botanical Garden, at base of column, on sidewalk; chiseled square	510.51
Tower Grove and Elaine Avenues, 30 ft. S. and 35 ft. W. from junction of, at S. approach of overhead crossing of St. Louis-San Francisco Ry., on top of NW. corner of sewer well; chiseled square	486.26

11. FROM CARONDELET PARK IN ST. LOUIS SOUTH TO SOUTHEAST CORNER OF QUADRANGLE, THENCE WEST ALONG EAST HALF OF SOUTH BORDER

Carondelet Park, at NE. corner of, SE. of junction of Kingshighway Southwest and Colorado Street, on top of NE. corner of sewer well; chiseled square	<u>Feet</u> 452.17
Lyon School, 31 ft. N. of junction of Vermont and Koeln Avenues, on top of lower curb; chiseled square	440.30
Luxemburg, at St. Louis city limits, 55 ft. N. of junction of Lemay Ferry and Weber Roads, at SW. corner of large, concrete bridge over River Des Peres drainage channel, on top of sidewalk over guardrail beam; chiseled square	417.66
St. Andrew's Church, across rd. from, 35 ft. E. of Military Road at crossing of Hofmeister Avenue, 24 1/2 ft. NW. of Broadway (U.S. Highway 67), in concrete post; standard tablet stamped "67 M 1931"	502.849
Reference mark, 12 ft. N. of tablet, on top of concrete post; chiseled square	503.49
Jefferson Barracks, 0.2 mi. N. of N. entrance to, 42 ft. S. and 28 ft. E. from junction of Reaper Avenue and Broadway, 8 ft. W. of SW. corner of store, on top of sidewalk; chiseled square	456.29
Jefferson Barracks, 0.6 mi. N. of guardhouse, 100 ft. N. and 50 ft. W. from rd. fork NE. to stables, in root on NE. side of 36-in. oak tree; copper nail and washer	455.45
Jefferson Barracks, 20 ft. N. and 15 ft. E. from NE. corner of guardhouse, on retaining wall sidewalk; chiseled square	484.97
Jefferson Barracks, at W. edge of, about 0.2 mi. SE. of crossroads, 13 ft. S. of Upper Gate, 20 ft. W. of rd., in concrete post; standard tablet stamped "68 M 1931"	550.809
Reference mark, 40 ft. E. of tablet, on S. edge of sidewalk to dwelling 57; chiseled square	551.13
Jefferson Barracks, 0.2 mi. NW. of, 80 ft. E. of Telegraph Road at rd. to Jefferson Barracks, 11 ft. S. of SE. corner of brick store, at N. edge of rd., on top of retaining wall; chiseled square	567.60
Telegraph Road and Jefferson Barracks-Sappington rd., 40 ft. N. and 25 ft. E. from junction of, on SW. corner of concrete base of gasoline pump; chiseled square	521.98
Jefferson Barracks, 0.8 mi. W. of, along Jefferson Barracks-Sappington rd., 27 ft. W. of T-rd. N., in root on S. side of 35-in. box-elder tree; copper nail and washer	591.88
Kleinschmidt triangulation sta., at Mehlville, 300 ft. E. of junction of U.S. Highway 61-State Highway 77 (Lindbergh Boulevard) and U.S. Highway 67 (Lemay Ferry Road), 60 ft. N. of rd., in concrete post; U.S.C. & G.S. standard disk stamped "Kleinschmidt No 2 1931"	632.892
Reference mark, 88 ft. NW. of disk, in concrete post; standard disk stamped "Kleinschmidt No 2 1931"	632.996
Mehlville, about 0.5 mi. SW. of, near top of hill, E. of U.S. Highway 61 and 67 at rd. SE., on top of N. head wall of stone culvert; painted square	584.85

(For balance in Kimmswick quadrangle, see line 4.)

Sappington, 3 mi. S. of, 65 ft. SE. of Mattese Road at rd. SW., on top of S. end of W. abutment of concrete culvert; chiseled square

585.53

12. FROM CENTER OF QUADRANGLE EAST TO EAST BORDER, THENCE NORTH TO MIDDLE OF NORTH HALF OF EAST BORDER, THENCE WEST TO CENTER OF NORTH HALF OF QUADRANGLE

Mentor, at E. edge of, 75 ft. W. of junction of U.S. Highway 50 (Manchester Road) and High School Drive, 3 ft. SE. of SE. corner of brick, store building; chiseled square	493.42
Maddenville, SE. of junction of U.S. Highway 50 (Manchester Road) and North And Sputh Road, on top at W. end of base of filling sta. pump; chiseled square	487.35
Missouri Pacific Electric R.R. at crossing of U.S. Highway 50 (Manchester Road); top of E. rail	448.0
Maplewood, 0.5 mi. W. of, 72 ft. S. of U.S. Highway 50 (Manchester Road) at rd. NW., on top of E. guardrail at NE. corner of large bridge over Black Creek; chiseled square	448.35
Maplewood, 50 ft. N. and 230 ft. W. from U.S. Highway 50 (Manchester Road) at crossing of Big Bend Road, 2 ft. S. and 40 ft. W. from fence corner on Maplewood High School athletic grounds, in concrete post; standard tablet stamped "59 M 1931"	507.908
Reference mark, SW. of junction of U.S. Highway 50 (Manchester Road) and Big Bend Road, on top of concrete curb; chiseled square	508.06
Manchester Road (U.S. Highway 50), 72 ft. N. of, at W. edge of St. Louis city limits, 30 ft. W. of Yale Street, 14 ft. E. of SE. corner of lunchroom, in park at street-car loop, on top of curb; chiseled square	479.96
St. Louis, 1 mi. E. of city limits, NE. of junction of Manchester Avenue (U.S. Highway 50) and Dale Avenue, on top of sewer well; chiseled square	463.75
St. Louis, 40 ft. N. and 45 ft. W. from junction of Manchester and Hampton Avenues, at Gratiot School, 14 ft. N. and 15 ft. W. from SE. corner of schoolyard, in concrete post; standard tablet stamped "60 M 1931"	467.029
St. Louis, just NE. of junction of Manchester and Macklind Avenues, 65 ft. N. and 20 ft. W. of Missouri Pacific R.R. sta. known as Howard, on top of sewer well; chiseled square	458.34
St. Louis, just SE. of junction of Kingshighway and Manchester Avenue, at NE. corner of approach of viaduct, on sidewalk; chiseled square	489.86

Manchester Road (U.S. Highway 50) at Tower Grove Avenue N., 46 ft. W. of, 26 ft. N. and 23 ft. W. from Manchester Road at Tower Grove Avenue S., 8 ft. S. of SW. corner of brick cigar store, in sidewalk; standard tablet stamped "61 M 1931"	Feet 488.043
Reference mark, 32 ft. NE. of tablet, on top of NE. corner of sewer well; chiseled square	488.19
Tower Grove and Clayton Avenues, 20 ft. N. and 22 ft. W. from junction of, on top of SW. corner of sewer well; chiseled square	498.77

(For balance in East St. Louis quadrangle, see line 2.)

St. Louis, just NE. of junction of Evans and Marcus Avenues, on top of N. corner of sewer well; chiseled square	503.91
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(For balance in East St. Louis quadrangle, see line 2.)

North St. Louis, NE. of junction of Union Boulevard and Natural Bridge Avenue, on top of sewer well; chiseled square	517.85
North St. Louis, 95 ft. NW. of junction of Natural Bridge and Goodfellow Avenues, on top at E. end of concrete base of filling sta. pump; chiseled square	543.52
Northwest St. Louis, 0.1 mi. NW. of St. Louis city limits, 150 ft. SE. of junction of Natural Bridge Avenue and Jennings Road, at iron rail at SE. corner of bridge over creek, on sidewalk; chiseled square	535.86
Wellston, at E. edge of, about 0.1 mi. W. of St. Louis city limits, SW. of junction of Kienler and St. Louis Avenues, on top at E. corner of concrete retaining wall and fence; chiseled square	563.52
Wellston, 145 ft. SE. of St. Peter's Cemetery, on W. side of junction of Lucas Hunt Road and St. Louis Avenue, in concrete post; standard tablet stamped "57 M 1931"	629.339
Reference mark, 8 ft. SE. of tablet, 2 ft. NE. of fence corner, on W. edge of concrete walk; chiseled square	629.01
Wellston, at W. edge of, 100 ft. NW. of junction of St. Charles Rock Road and Ferguson Avenue, at SW. corner of brick store building, on concrete platform; chiseled square	557.29
T. 46 N., R. 6 E., near S. sixteenth cor. sec. 35, on Ferguson Ave., 0.2 mi. N. of Page Avenue, on top of W. parapet wall of S. abutment of concrete bridge over Terminal R.R.; chiseled square	577.13
Elmwood Park, 3.3 mi. E. of, 135 ft. W. of junction of Page Boulevard and Pennsylvania Avenue, on top of S. wing wall of W. abutment of large, concrete bridge over creek; chiseled square	519.54
Elmwood Park, 2.5 mi. E. of, in center sec. 34, T. 46 N., R. 6 E., 85 ft. SE. of Page Boulevard at crossing of Hanley Road, in concrete post; standard tablet stamped "58 M 1931"	593.978
Reference mark, 35 ft. W. of tablet, on E. edge of pavement; chiseled square	593.93
Elmwood Park, 2.1 mi. E. of, 0.2 mi. E. of W. quarter cor. between secs. 33 and 34, T. 46 N., R. 6 E., 70 ft. NW. of junction of Page Boulevard and North and South Roads, on top of concrete base of filling sta. pump; chiseled square	606.44
Elmwood Park, about 1.5 mi. E. of, 0.1 mi. N. of center sec. 33, T. 46 N., R. 6 E., 200 ft. E. of junction of Page Boulevard and Walton Road, on top of E. end of S. head wall of concrete culvert; chiseled square	560.85

13. EAST ALONG EAST HALF OF NORTH BORDER OF QUADRANGLE, THENCE SOUTH
ALONG NORTH PART OF EAST BORDER
(Continued from St. Charles quadrangle; see line 3.)

Bridgeton, 1.8 mi. E. of, 65 ft. S. and 20 ft. W. from crossroads, in root on W. side of cherry tree; copper nail and washer	577.98
Kinloch, in NW. part of, SE. of junction of Third and Evergreen Streets, on top of N. end of E. head wall of concrete culvert; chiseled square	593.92
Kinloch, at NE. edge of, near curve in Carsonville rd. from N.-E., 62 ft. W. of crossroads (rd. W. is private rd.), at N. edge of rd., in root on S. side of 50-in. oak tree; copper nail and washer	571.16
Ferguson, 0.4 mi. W. of business district of, 18 ft. S. and 29 ft. E. from junction of Carsonville rd. and Julia Street, 3 ft. S. of curb, in concrete post; standard tablet stamped "53 M 1931"	553.864
Reference mark, 38 ft. N. and 60 ft. E. from junction of Carsonville rd. and Julia Street, in root on W. side of 24-in. poplar tree; copper nail and washer	556.53
Ferguson, 62 ft. S. of junction of Florissant Road and Carsonville rd., near S. end of S. wing wall of Wabash Ry. bridge, on top of concrete curb; chiseled square	499.56
Ferguson, at NE. edge of, 22 ft. S. and 32 ft. W. from junction of Hereford and Elizabeth Streets, 110 ft. S. and 32 ft. W. from T-rd. E. (rd. E. is Chambers rd.), in root on E. side of 15-in. maple tree; copper nail and washer	574.83
Ferguson, 0.8 mi. E. of, along Chambers rd., 55 ft. S. and 15 ft. E. from T-rd. S., in root on W. side of 27-in. chestnut tree; rail spike	536.79
Ferguson, 1.1 mi. E. of, near cor. secs. 1, 6, 7, and 12, T. 46 N., Rs. 6 and 7 E., SW. of junction of Chambers rd. and Florissant Avenue, on top of N. end of W. head wall of concrete culvert; chiseled square	515.19
Ferguson, 2.1 mi. E. of, near cor. secs. 5, 6, 7, and 8, T. 46 N., R. 7 E., 20 ft. N. and 25 ft. E. from junction of Chambers rd. and Summit Avenue, in root on SE. side of 15-in. oak tree; copper nail and washer	507.03

Ferguson, 2.5 mi. E. of, near junction of Chambers rd. and Halls Ferry Road, 55 ft. E. of Halls Ferry Road, 33 ft. S. of Chambers rd., 7 ft. N. of NW. corner of store of J. F. Sutter, in concrete post; standard tablet stamped "54 M 1931"	<u>Feet</u> 460.456
Reference mark, 45 ft. E. of Halls Ferry Road, 40 ft. S. of Chambers rd., 10 ft. W. of NW. corner of store of J. F. Sutter, on top of concrete platform; chiseled cross	460.47
Halls Ferry Road and Chambers rd., 0.6 mi. S. of junction of, along Halls Ferry Road, on top of W. parapet wall of S. abutment of concrete bridge over Maline Creek; chiseled square	448.77

(For balance in East St. Louis quadrangle, see line 3.)

North St. Louis, 90 ft. S. of intersection of Natural Bridge Avenue and Kingshighway Memorial Boulevard, between sidewalk and curb, in concrete post; standard tablet stamped "56 M 1931"	502.552
Reference mark, 112 ft. NE. of tablet, on top of W. corner of sewer well; chiseled square	502.79

14. FROM POINT 2 MILES NORTH OF OVERLAND, NORTHWEST TO NORTH BORDER OF QUADRANGLE

Overland, 2 mi. N. of, 15 ft. S. and 28 ft. E. from rd. corner E.-N., 10 in. above surface of ground, in telephone pole; rail spike	605.07
Bridgeton, 1 mi. SE. of, 65 ft. W. of junction of Natural Bridge Road and Edmundson rd., on top of E. end of S. head wall of concrete culvert; chiseled square	559.93
Bridgeton, in SE. part of, 470 ft. SE. of Natural Bridge Road at cross street, 470 ft. SE. of end of street-car track, on top of S. parapet wall of W. abutment of concrete bridge over Coldwater Creek; chiseled square	536.04

15. NEAR CENTER OF QUADRANGLE

T. 45 N., R. 6 E., near W. quarter cor. sec. 9, on Ladue Road, at foot of hill, 400 ft. W. of R.R. at rd. crossing, on top of N. head wall of concrete culvert; chiseled square	520.37
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16. FROM OAKLAND NORTHWEST TO KIRKWOOD (by L. V. Johnson in 1931)

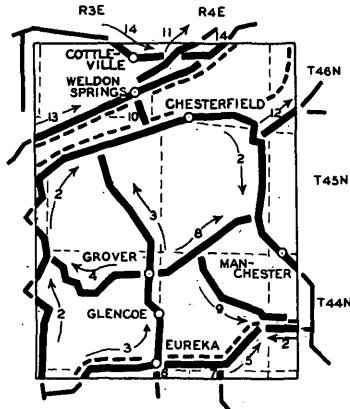
Oakland, 12 ft. N. of front entrance to Missouri Pacific R.R. sta., 3 ft. S. of S. track, on concrete wall around platform; chiseled square	615.76
Kirkwood, 160 ft. E. of Missouri Pacific R.R. sta., 8 ft. N. of N. track, on SW. corner of concrete base of semaphore in front of signal tower; chiseled square	636.21
Kirkwood, 135 ft. N. of front entrance to city hall, 1 ft. N. of SE. corner of hardware store of M. W. Cronin, 5 in. above sidewalk, in building; iron coping	636.09

For additional level lines along Missouri River, Mississippi River, and Missouri Pacific R.R., refer to United States Coast and Geodetic Survey first-order lines, St. Louis to Jefferson City, Twelve Miles Above St. Louis to St. Louis, and St. Louis, Mo., to Cairo, Ill.

MANCHESTER QUADRANGLE

(Latitude 38°30'-38°45'; longitude 90°30'-90°45')

Franklin, Jefferson, St. Charles, and St. Louis Counties



1. ISOLATED BENCHMARKS (not shown on diagram) (by Jesse L. Holman in 1897 and Charles La Rue in 1898)

Manchester, in SE 1/4 sec. 36, T. 45 N., R. 4 E., near junction of U.S. Highway 50 (Manchester Road) and Henry Avenue; iron post stamped "St L 512"	Feet 512.640
T. 44 N., R. 4 E., in SW 1/4 sec. 5, N. of State Road, 500 ft. NE. of Shotwell's log dwelling; iron post stamped "St L 739"	739.724
T. 44 N., R. 3 E., in SE 1/4 sec. 17, on S. side of State Road; iron post stamped "St L 670"	670.684
T. 45 N., R. 3 E., in NW 1/4 sec. 15 (actually in land grant), near SW. corner of store of H. Hilkenkamp; iron post stamped "St L 670"	671.652
Cottleville, in foundation of public school building; aluminum tablet stamped "St L 516"	517.171

2. FROM SOUTH BORDER OF QUADRANGLE NORTH ALONG WEST BORDER TO PORT ROYAL, THENCE NORTHEAST ALONG CHICAGO, ROCK ISLAND & PACIFIC RAILWAY TO HINE STATION, THENCE SOUTH ALONG EAST BORDER TO RANKEN SCHOOL (by E. W. Gouchenour in 1930)
(Continued from Pacific quadrangle; see line 4.)

Pacific, 1.1 mi. N. of, in NW 1/4 sec. 1, T. 43 N., R. 2 E., in saddle of ridge, at W. edge of rd., in stump copper nail and washer	674.26
T. 44 N., R. 2 E., 900 ft. S. of center sec. 36, on NW. wing of concrete abutment of steel girder bridge; chiseled square	585.34
Oakfield, in N 1/2 sec. 25, T. 44 N., R. 2 E., 300 ft. SW. of T-rd. N., 2 ft. E. and in line with top step at entrance to Zion Evangelical Church, in concrete post; standard tablet stamped "T T E 1930"	813.445
Reference mark 1, 100 ft. W. and 20 ft. E. from tablet, in root on N. side of large oak tree; copper nail and washer	813.03

(For balance in O'Fallon No. 3 quadrangle, see line 3.)

T. 44 N., R. 2 E., in SE 1/4 sec. 13, 3 ft. S. and 6 ft. E. from rd. fork NW. through timber, on E. end of concrete culvert; chiseled square	771.36
T. 44 N., R. 2 E., in SE 1/4 sec. 13, 40 ft. N. of mail box of John Koeler, 12 ft. E. of private E.-W. cross rd., in root on W. side of 18-in. white-oak tree; copper nail and washer	693.92
T. 44 N., R. 2 E., in W 1/2 sec. 12, 50 ft. N. and 25 ft. W. from T-rd. N., 6 ft. S. and 12 ft. E. from 36-in. elm tree, in top of limestone rock projecting 3 in. above ground; standard tablet stamped "1 G 1930"	487.563
Reference mark 1, 100 ft. W. of crossroads, on NE. wing of concrete abutment of steel bridge; chiseled square	487.83
Reference mark 2, about 100 ft. NW. of crossroads, in base of tree leaning over stream; copper nail and washer	487.11
T. 44 N., R. 2 E., in SW 1/4 sec. 1, about 0.2 mi. E. of Johnson dwelling, 40 ft. N. of wooden bridge, in root on S. side of 12-in. cottonwood tree; copper nail and washer	555.16
T. 44 N., R. 2 E., about 0.2 mi. S. of N. quarter cor. sec. 1, near top of ridge, at junction of rd. SE., on W. end of steel culvert; painted square	756.52
T. 45 N., R. 2 E., near center sec. 36, 120 ft. NW. of rd. fork SE., at W. edge of rd., in root on NE. side of 20-in. walnut tree; copper nail and washer	844.42

(For balance in O'Fallon No. 3 quadrangle, see line 3.)

Tavern Rock, 1.2 mi. NE. of, along Chicago, Rock Island & Pacific Ry., 8 ft. NE. of E. rail at milepost 36.5, on large boulder embedded in E. bank; chiseled square	Feet 475.41
Port Royal, 9 ft. SW. of SW. corner of Chicago, Rock Island & Pacific Ry. sta. and in line with W. side of sta., in concrete post; standard tablet stamped "T T 2 E 1930"	475.433
Reference mark, 260 ft. NE. of tablet, on top of boulder embedded in bank; chiseled square	473.68
Port Royal, 1.2 mi. NE. of, along Chicago, Rock Island & Pacific Ry., about 150 ft. NE. of milepost 34.25, 20 ft. E. of E. rail, on limestone ledge; chiseled square	471.82
U.S.C.E. B.M. designated "33"	463.893
Centaur Station, 0.9 mi. NE. of, along Chicago, Rock Island & Pacific Ry., 100 ft. S. and 150 ft. W. from rd. crossing, in root on N. side of white-oak tree; copper nail and washer	473.63
Monarch, 0.3 mi. SW. of, along Chicago, Rock Island & Pacific Ry., 200 ft. S. of milepost 32.5, in N. end of concrete culvert; standard tablet stamped "2 G 1930"	466.220
Reference mark, on S. end of same culvert; chiseled square	466.81
Monarch, 0.8 mi. NE. of, along Chicago, Rock Island & Pacific Ry., 120 ft. NE. of dim rd. crossing, in NW. corner of bridge 311; copper nail and washer	465.89
Monarch, 1.8 mi. NE. of, along Chicago, Rock Island & Pacific Ry., near milepost 30, on S. end of culvert; chiseled square	462.71
Gumbo, 0.2 mi. S. of, 220 ft. S. and 40 ft. W. from Chicago, Rock Island & Pacific Ry. at rd. crossing, 8 ft. S. and 3 ft. E. from NE. corner of cemetery, in large limestone boulder flush with ground; standard tablet stamped "3 G 1930"	465.617
Reference mark, on S. end of R.R. culvert; painted square	460.82
Bon Homme, 1 mi. E. of, along Chicago, Rock Island & Pacific Ry., at milepost 28, on S. end of stone culvert; chiseled square	463.72
Chesterfield, 70 ft. W. of Chicago, Rock Island & Pacific Ry. crossing signal, in concrete post; standard tablet stamped "T T 1 E 1930"	461.911
Reference mark, 45 ft. N. 30° W. of tablet, on SW. abutment of steel girder bridge; chiseled square	461.14
Chesterfield, 1.5 mi. NE. of, along Chicago, Rock Island & Pacific Ry., 10 ft. N. and 50 ft. E. from rd. crossing, on S. end of concrete culvert; chiseled square	457.15
Hine, 0.7 mi. SW. of, along Chicago, Rock Island & Pacific Ry., 50 ft. N., thence 150 ft. NW. from private rd. crossing, on concrete sewer manhole; chiseled square	452.54
Bellefontaine, 1.2 mi. NE. of, along Olive Street Road, 40 ft. W. of junction of White Road SE., 18 ft. W. of large white-oak tree, in concrete post; standard tablet stamped "3 G 1930"	621.197
Reference mark, 20 ft. E. of tablet, in root on E. side of 30-in. white-oak tree; copper nail and washer	621.91
Bellefontaine, 2 mi. E. of, 1 mi. SE. of Olive Street Road, 25 ft. W. of White Road at private rd. NE., in root on NE. side of 15-in. elm tree; copper nail and washer	506.34
Bellefontaine, 3.5 mi. E. of, along Conway Road, about 300 ft. E. of Fee Fee Church; in SW. wing wall of concrete abutment of steel bridge over Creve Coeur Creek; chiseled square	497.64
Bellefontaine, about 3 mi. E. of, 3.5 mi. NE. of Loehr, 18 ft. S. and 230 ft. W. from junction of Conway Road and Woods Mill Road S., 27 ft. W. of driveway, 2 ft. N. of picket fence, in concrete post; standard tablet stamped "T T 9 E 1930"	597.315
Reference mark, 30 ft. N. and 63 ft. E. from tablet, in root on S. side of 15-in. walnut tree; copper nail and washer	597.84
Trinity Church, 1 mi. E. of, on Woods Mill Road, 2 mi. NE. of Loehr, 15 ft. E. of junction of rd. W., in root on W. side of white-oak tree; copper nail and washer	622.36
Loehr, 2 mi. NE. of, about 400 ft. NE. of Trinity Church, in triangle formed by junction of Clayton and Woods Mill Roads, in root on S. side of black-oak tree; copper nail and washer	654.42
Manchester, 2.5 mi. E. of, 30 ft. S. of junction of Clayton and Woods Mill Roads, on W. end of concrete culvert; chiseled square	640.59
Manchester, 2.5 mi. N. of, 1.1 mi. NE. of Loehr, along Clayton Road, 18 ft. S. and 15 ft. E. from junction of Schoettler Road NW. to Bellefontaine, 4 ft. SE. of fence corner, in concrete post; standard tablet stamped "T T 8 E 1930" (Believed to have been moved 24 ft. S. and 12 ft. E. from above described location. Given elevation is for new location.)	683.728
Reference mark, 130 ft. E. of tablet, on N. end of stone culvert; chiseled square	684.54
Manchester, 1.2 mi. N. of, on Woods Mill Road, on W. head wall of concrete culvert; chiseled square	542.99
Manchester, 34 ft. S. and 18 ft. E. from intersection of rd. tangents S. and E., in NW. corner of schoolyard, in concrete post; standard tablet stamped "T T 15 E 1930"	530.672
Reference mark, at W. end of concrete walk at W. entrance to Manchester Public School, N. head wall of concrete culvert; (mark not described)	524.33
Manchester, 0.2 mi. S. of, along Meramec Station Road, in NE. wing wall of concrete abutment to steel girder bridge over Grand Glaize Creek; chiseled square	508.70
(For balance in West St. Louis quadrangle, see line 5.)	
Valley Park, 0.5 mi. S., thence 0.8 mi. W. from, 0.3 mi. E. of Ranken School, on NW. abutment of bridge over Williams Creek; chiseled square	422.22
Valley Park, 0.8 mi. S., thence 1.4 mi. W. from, in SE. corner of Ranken schoolyard, 12 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 11 E 1930"	445.787

	<u>Feet</u>
Reference mark, 115 ft. SW. of tablet, on top of W. end of concrete culvert; chiseled cross	447.76
3. EAST ALONG WEST PART OF SOUTH BORDER OF QUADRANGLE, THENCE NORTH THROUGH SOUTH HALF (by George W. Moore in 1930) (Continued from Pacific quadrangle; see line 7.)	
Allenton, 25 ft. E. of NE. corner of St. Louis-San Francisco Ry. sta., on NW. corner of concrete well platform; chiseled square	512.62
Allenton, 1 mi. E. of, along St. Louis-San Francisco Ry., on W. side of rd., on top of N. end of W. head wall of stone culvert; chiseled square	479.66
Allenton, 1.7 mi. E. of, along St. Louis-San Francisco Ry., 1.8 mi. W. of Eureka, at S. edge of rd., N. of track, in top of W. end of S. head wall of stone culvert; chiseled square	465.46
Eureka, 231 ft. S. 47° W. of W. gable of Missouri Pacific R.R. sta., 201 ft. N. 74° W. of W. gable of St. Louis-San Francisco Ry. sta., 34 ft. N. and 61 ft. W. from St. Louis-San Francisco Ry. at rd. crossing, on S. side of rd. between the two R.R., in line with telegraph poles, in concrete post; standard tablet stamped "T T 54 L 1930"	460.409
Reference mark, 75 ft. S. of tablet, on NE. corner of concrete well platform; chiseled square	458.05
Eureka, 0.9 mi. NW. of, about 600 ft. NW. of private crossroads, at rd. corner from S.-W., at SW. edge of rd., on top of NW. end of small concrete culvert; chiseled square	560.94 452.24
Wooden bridge, on N. parapet wall of W. abutment; painted square	
Eureka, 1.6 mi. NW. of, NW. of T-rd. N., on top of N. head wall of concrete culvert; chiseled square	470.14
Eureka, 2.5 mi. NW. of, at top of hill, 25 ft. SE. of crossroads, in root on W. side of 10-in. oak tree; copper nail and washer	766.55
Eureka, 3.2 mi. NW. of, 0.8 mi. SW. of Glencoe School, 115 ft. N. of private rd. to house, at W. edge of rd., in root on W. side of 35-in. oak tree; copper nail and washer	571.61
Glencoe School, 0.5 mi. SW. of, 100 ft. NE. of private rd. S., on top of NE. stone head wall of small wooden bridge; painted square	442.64
Glencoe School, in SE. corner of bottom concrete step of main entrance; standard tablet stamped "T T 12 E 1930"	452.561
Reference mark, about 625 ft. S. of tablet, on top of N. end of W. parapet wall of S. abutment of steel bridge; chiseled square	431.54
Glencoe School, 0.9 mi. NW. of, 80 ft. S. of T-rd. W., at W. edge of rd., in root on N. side of 22-in. elm tree; copper nail and washer	483.13
Glencoe School, 1.7 mi. NW. of, 50 ft. NE. of E. corner of dwelling, on W. parapet wall of S. abutment of concrete bridge; chiseled square	549.84 718.93
W. side of rd., in top of stump; copper nail and washer	
Grover, 31 ft. S. and 18 ft. W. from U.S. Highway 50 (Manchester Road) at rd. N., in NW. corner of property of L. J. Funk, in concrete post; standard tablet stamped "T T 5 E 1930"	794.259
Reference mark, 80 ft. N. of tablet, on SE. corner of sidewalk; chiseled square	794.67
Grover, 1.1 mi. N. of, NW. of T-rd. W., on top of S. end of W. head wall of stone culvert; chiseled square	726.46
Grover, 1.6 mi. N. of, 130 ft. N. and 30 ft. W. from rd. forks, in root on E. side of 13-in. oak tree; copper nail and washer	776.71
Grover, 2.1 mi. N. of, 37 ft. SW. of rd. fork NE., in top of SW. end of NW. head wall of concrete culvert; standard tablet stamped "1 M 1930"	693.838
Grover, 3.1 mi. N. of, at rd. corner from S.-NW., at head of large drain to W., at SW. edge of rd., in fence line, in root on SW. side of 10-in. oak tree; copper nail and washer	703.12
Grover, 4.1 mi. N. of, 35 ft. NE. of rd. fork SW., at SE. edge of rd., in root on W. side of 12-in. oak tree; copper nail and washer	593.02
Grover, 4.8 mi. N. of, 12 ft. N. and 25 ft. W. from Ellisville-Gumbo rd. at rd. W., at center of S. end of NE. wing wall of steel bridge over Caulks Creek; standard tablet stamped "T T 13 E 1930"	506.276
Grover, 5.1 mi. N. of, on top of E. parapet wall of S. abutment of steel bridge; chiseled square	495.18
Grover, 6.1 mi. N. of, 450 ft. NW. of private rd. SW., at SW. edge of rd., on top of SW. head wall of concrete culvert; chiseled square	555.27
Grover, 6.8 mi. N. of, 130 ft. NW. of rd. fork S., 120 ft. SW. of triangle formed by rd. forks, on top of N. parapet wall of NW. abutment of steel bridge; chiseled square	475.35
4. FROM GROVER WEST TO POINT NEAR WEST BORDER OF QUADRANGLE	
Pond, 20 ft. S. of U.S. Highway 50 at rd. N., at N. end of W. head wall of concrete culvert under rd. S.; chiseled square	799.12
Pond, 1 mi. W. of, along U.S. Highway 50, 15 ft. S. of highway at rd. N., on top of E. end of S. head wall of concrete culvert; chiseled square	783.53
Pond, 1.3 mi. W. of, along U.S. Highway 50, at quarter cor. between secs. 3 and 4, T. 44 N., R. 3 E., 40 ft. S. and 40 ft. W. from highway at Glencoe rd. S., 3 ft. SW. of telephone pole, in concrete post; standard tablet stamped "T T 4 E 1930"	815.463
Pond, 1.8 mi. W. of, along U.S. Highway 50, 180 ft. NE. of highway at rd. E., on E. edge of highway at curve from E.-SW., on top of E. head wall of concrete culvert; chiseled square	755.43
Fox Creek, 5 ft. W. of garage, on top of SW. corner of concrete foundation of gasoline pump; chiseled square	768.01
Fox Creek, 0.9 mi. SW. of, 0.2 mi. W. of junction of U.S. Highway 50 and Manchester Road, 12 ft. SW. of rd., 3 ft. N. of fence, in root on NE. side of 30-in. oak tree; copper nail and washer	820.40

Fox Creek, 1.7 mi. SW. of, 1.2 mi. SE. of Melrose, 108 ft. NW. of NW. corner of Melrose School, 50 ft. W. of dim T-rd. N., SW. of private rd. to school, in root on SW. side of 9-in. oak tree; copper nail and washer	<u>Feet</u> 800.18
Melrose, in NE 1/4 sec. 7, T. 44 N., R. 3 E., on N. side of rd. and N. of store of O. J. Kreinkamp, 12 ft. N. and 7 ft. W. from fence corner, in SE. corner of Kreinkamp's land, in concrete post; standard tablet stamped "T T 3 E 1930"	776.288
Reference mark, 65 ft. W. of tablet, in N. corner of concrete foundation of gasoline pump; chiseled square	778.74
Melrose, 0.9 mi. NW. of, on W. parapet wall of S. abutment of small bridge; chiseled square	534.56

5. FROM EUREKA NORTHEAST TO RANKEN SCHOOL

Eureka, 0.8 mi. E. of, 40 ft. N. and 196 ft. E. from St. Louis-San Francisco Ry. at rd. crossing near Famous, on top of NW. parapet wall of SW. abutment of small bridge; chiseled square	438.64
Eureka, 1.8 mi. E. of, at Times Beach, 450 ft. SW. of T-rd. SW., at NW. edge of rd., in root on NW. side of 36-in. oak tree; copper nail and washer	436.88
Eureka, 2.1 mi. E. of, on E. side of Meramec River, opposite Times Beach, 580 ft. S. of U.S. Highway 66 at rd. S., on top of SW. end of NW. concrete abutment of steel bridge over Antire Creek; chiseled square	430.56
Eureka, 3 mi. E. of, along U.S. Highway 66, 190 ft. NE. of highway at rd., on top of SE. head wall of small concrete culvert; chiseled square	459.71
Eureka, 3.8 mi. E. of, along U.S. Highway 66, 218 ft. S. 21° 30' W. of highway at rd. SW., 17 ft. W. of rd., 20 ft. SW. of blazed 40-in. oak tree, inside fence, in concrete post; standard tablet stamped "T T 55 L 1930"	514.217
Reference mark, 20 ft. NE. of tablet, in root on E. side of 36-in. tree; copper nail and washer	513.38
Eureka, 4.7 mi. NE. of, along U.S. Highway 66, 230 ft. NE. of highway at cross rd., at SE. edge of highway, on top of NE. end of concrete culvert; chiseled square	665.23
Eureka, 5.9 mi. NE. of, along U.S. Highway 66, 48 ft. N. of highway, 63 ft. S. of old gravel rd., in top of W. end of small culvert; chiseled square	534.89

6. NEAR MIDDLE OF SOUTH BORDER OF QUADRANGLE

Eureka, at SW. edge of, on W. end of W. parapet wall of S. abutment of concrete bridge; chiseled square	448.44
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(Continued in Pacific quadrangle; see line 8.)

7. NEAR MIDDLE OF EAST HALF OF SOUTH BORDER OF QUADRANGLE (by George W. Moore in 1931)

(Continued from Pacific quadrangle; see line 22.)

High Ridge, 4.4 mi. NW. of, in center of triangle formed by rd. forks, in root on NW. side of 24-in. maple tree; copper nail and washer	484.70
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8. FROM GROVER NORTHEAST TO LOEHR

Grover, 0.9 mi. NE. of, along U.S. Highway 50 (Manchester Road), at curve in highway from NE.-N., on top of NE. end of NW. head wall of concrete culvert; chiseled square	677.56
Grover, 1.8 mi. NE. of, along U.S. Highway 50 (Manchester Road), 1.4 mi. SW. of Ellisville, on top of SW. corner of NW. guardrail of concrete bridge over Caulks Creek; chiseled square	637.09
Ellisville, 0.5 mi. W. of, 70 ft. N. and 10 ft. W. from U.S. Highway 50 (Manchester Road) at N.-S. cross rd. (Old State Road S.), 2 ft. from SW. corner of Old State Road Inn owned by John Valasis, in concrete post; standard tablet stamped "T T 6 E 1930"	716.440
Reference mark, 77 ft. SW. of tablet, on top of SE. corner of concrete foundation of gasoline pump; chiseled square	712.90
Ellisville, 120 ft. W. of U.S. Highway 50 (Manchester Road) at Clarkson Road N., 35 ft. S. and 90 ft. W. from highway at St. Paul Road S., in front of garage, on top of NW. edge of concrete well platform; chiseled square	730.75
Ellisville, 0.8 mi. N. of, 160 ft. S. and 20 ft. W. from junction of Clarkson and Clayton Roads, on top of SE. corner of concrete foundation of N. gatepost at entrance to L. M. Lally's Orchard View Farm; chiseled square	704.70
Ellisville, 0.8 mi. N., thence 1 mi. NE. from, 1.8 mi. SW. of Loehr, at private rd. N. to dwelling, on top of NE. head wall of concrete culvert; chiseled square	720.92
Kessler triangulation sta., 1.5 mi. SW. of Loehr, along Clayton Road, 78 ft. NW. of Kehr Mill Road, NW. of intersection of Clayton and Kehr Mill Roads, 10 ft. W. of NW. bend of porch on E. side of dwelling of J. C. Ganahl, 1 ft. from porch wall, in limestone post; standard disk stamped "Kessler 1871 1931" (U.S.O. & G.S.)	759.659
Loehr, 0.7 mi. SW. of, on Clayton Road, at SE. edge of rd., 6 ft. NW. of gate to dwelling of H. J. Reinker, on top of SW. corner of concrete stepping block; chiseled square	682.06

Loehr, N. of intersection of Baxter and Clayton Roads, on top of SW. end of NW. head wall of concrete culvert; chiseled square	<u>Feet</u> 665.68
Loehr, 0.5 mi. NE. of, along Clayton Road, 100 ft. E. of junction of rd. NW., on top of W. end of S. head wall of stone culvert; chiseled square	672.17

9. FROM ELLISVILLE SOUTHEAST TO EAST BORDER OF QUADRANGLE

Ellisville, 1 mi. S. of, along St. Paul Road, at W. edge of rd. near bank of Keifer Creek, on top of S. end of W. head wall of concrete culvert; chiseled square	597.80
Ellisville, 1.6 mi. SE. of, along St. Paul Road, 115 ft. SE. of junction of rd. E., on top of S. end of stone wing wall of bridge; chiseled square	553.86
Ellisville, 2.3 mi. SE. of, along Keifer Creek rd., 350 ft. SE. of junction of rd. N., at NE. edge of rd. on SW. bank of Keifer Creek, in root on S. side of 24-in. elm tree; copper nail and washer	510.68
Ellisville, 3.2 mi. SE. of, in NW. cor. sec. 15, T. 44 N., R. 4 E., 18 ft. S. and 45 ft. E. from Ballwin Road at rd. NW., at entrance to Castlewood, 2 ft. S. of S. end of signboard, in concrete post; standard tablet stamped "T T 10 E 1930"	478.614
Reference mark, 370 ft. E. of tablet, in root between twin peach trees; copper nail and washer	479.71
Mountain Ridge, 0.7 mi. NW. of, 50 ft. E. of junction of Ballwin and Reis Roads, at S. edge of rd., in root on N. side of 36-in. wild-cherry tree; copper nail and washer	448.22
Mountain Ridge, 180 ft. E. of Missouri Pacific R.R. sta., in top of N. end of W. abutment of overhead crossing; chiseled square	435.26
Mountain Ridge, 1 mi. E. of, along Missouri Pacific R.R., 30 ft. S. of S. track, opposite semaphore 187, on top of NE. corner of large concrete block foundation; chiseled square	429.90
Mountain Ridge, 1.8 mi. E. of, along Missouri Pacific R.R., 0.5 mi. W. of Valley Park, 65 ft. N. of track, 20 ft. SE. of SE. corner of Hillside Cottage, at W. edge of entrance to cottage, in root on S. side of 15-in. oak tree; copper nail and washer	440.47

10. FROM GUMBO NORTHWEST TO COTTLEVILLE LANDING

U.S.C.E. B.M. designated "29=9/1"	
Copper bolt	463.634
Top of cap	467.686
Gumbo, 25 ft. S. and 110 ft. E. (? W.) from T-rd. S., 20 ft. N. of NW. corner of Glosser Mercantile Co. store, on NE. corner of platform of filling sta. pump; chiseled square	460.72
Gumbo, 1.1 mi. W. of, 20 ft. S. of junction of private rd. N., in base of telephone pole driven 1 ft. below surface of ground; spike painted white	458.41
Bon Homme School, 1.9 mi. W. of Gumbo, 48 ft. N. and 120 ft. E. from T-rd. S., 28 ft. SW. of SE. corner of schoolhouse, in concrete post; standard tablet stamped "25 M 1931"	460.165
Reference mark, 30 ft. SW. of tablet, 100 ft. E. of T-rd. S., in root on SE. side of 40-in. elm tree; copper nail and washer	460.05
Bon Homme School, 0.7 mi. W. of, 2.6 mi. W. of Gumbo, 25 ft. N. and 15 ft. W. from junction of private rd. N., in root on SW. side of 35-in. sycamore tree; copper nail and washer	463.02
Weldon Springs (Cottleville Landing), 0.4 mi. S. of, 2.5 mi. W., thence 0.6 mi. N. from Gumbo, 30 ft. S. of S. bank of Missouri River, at landing, in top of stake; copper nail and washer	458.47
Cottleville Landing; pier	456.89

11. FROM WELDON SPRINGS NORTHEAST ALONG MISSOURI-KANSAS-TEXAS RAILROAD TO BON HOMME ISLAND, THENCE NORTH TO NORTH BORDER OF QUADRANGLE (leveled twice)

Weldon Springs (Cottleville Landing), 26 ft. N. and 45 ft. E. from crossing of R.R. to docks, in concrete post; standard tablet stamped "26 M 1931"	470.139
Reference mark, 82 ft. E. of tablet, on top of E. end of S. head wall of Wabash Ry. bridge over narrow gage quarry R.R.; chiseled square	468.85
Weldon Springs, 0.9 mi. NE. of, along Missouri-Kansas-Texas R.R., on top of E. end of S. head wall of concrete culvert; chiseled square	469.10
Weldon Springs, 1.4 mi. NE. of, along Missouri-Kansas-Texas R.R., at steamboat camp of new rock quarry, 50 ft. S. of track, 45 ft. E. of blazed 50-in. sycamore tree, at top of bank; iron pipe (probably U.S.C.E. B.M.)	460.748
Weldon Springs, 2.3 mi. NE. of, along Missouri-Kansas-Texas R.R., 165 ft. E. of main drain at edge of woods, on top of S. head wall of circular concrete drain pipe culvert; chiseled square	462.21
Bon Homme Island, opposite, on N. bank of Missouri River, 50 ft. N. of Missouri-Kansas-Texas R.R. track, 300 ft. W. of point where bluff rd. begins incline; U.S.C.E. B.M. designated "9/3"	
Copper bolt	468.270
Top of cap	472.350
Reference mark, 85 ft. W. of rd. crossing, on top of W. end of N. head wall of large concrete culvert; chiseled square	467.70

Harvester, 1.8 mi. W., thence 2.6 mi. S. from, in SE 1/4 sec. 30, T. 46 N., R. 4 E., 0.6 mi. N. of Missouri-Kansas-Texas R.R., at top of hill, 90 ft. N. of rd. to dwelling of Adam Roth, 15 ft. N. of fence corner, in root on NW. side of 18-in. elm tree; copper nail and washer	<u>Feet</u> 658.24
Harvester, 1.8 mi. W., thence 1.9 mi. S. from, in N 1/2 sec. 30, T. 46 N., R. 4 E., 20 ft. N. and 100 ft. W. from rd. forks, in root on NE. side of 20-in. black-oak tree; copper nail and washer	595.28
Harvester, about 1.8 mi. W., thence 1.6 mi. S. from, in S 1/2 sec. 19, T. 46 N., R. 4 E., 115 ft. SE. of junction of private rd., on N. bank of ford, 28 ft. W. of W. corner of barn, in root on N. side of 26-in. elm tree; copper nail and washer	516.61
Harvester, about 1.8 mi. W., thence 0.6 mi. S. from, quarter cor. between secs. 18 and 19, T. 46 N., R. 4 E., 15 ft. N. and 20 ft. W. from T-rd. W., in fence corner, in root on NW. side of 15-in. chestnut-oak tree; copper nail and washer	543.48
Harvester, 1.8 mi. W. of, along Boonslick Road, in E 1/2 sec. 18, T. 46 N., R. 4 E., 50 ft. N. and 15 ft. E. from T-rd. N.; iron post stamped "St. Louis 506"	506.453
Harvester, 0.7 mi. W. of, along Boonslick Road, near quarter cor. between secs. 16 and 17, T. 46 N., R. 4 E., 32 ft. N. of rd., on concrete platform of filling sta.; chiseled square	585.15
Harvester, in N 1/2 sec. 16, T. 46 N., R. 4 E., 180 ft. NE. of T-rd. N., 50 ft. W. of rd., at store of H. W. Thiemeyer and Sons, on SE. corner of step; chiseled square	611.83

(Continued in Brussels quadrangle; see line 3.)

12. FROM POINT 1.2 MILES NORTHEAST OF BELLEFONTAINE NORTHEAST TO EAST BORDER OF QUADRANGLE

Howard triangulation sta., 0.8 mi. W. of Lake post office, 400 ft. N. of Olive Street Road, 100 ft. from old barn, on highest part of high ridge; iron post	713.037
Lake, 30 ft. E. of E. corner of brick store building, 40 ft. N. of rd. forks, on top of concrete retaining wall along S. side of platform of gasoline pump; chiseled square	629.66
Lake, 0.8 mi. E. of, along Olive Street Road, 30 ft. N. and 20 ft. W. from T-rd. N., on top of N. end of W. head wall of concrete topping of stone culvert; chiseled cross	562.21
Lake, 0.8 mi. E., thence 0.9 mi. N. from, 100 ft. NW. of Chicago, Rock Island & Pacific Ry. at rd. crossing, 75 ft. SE. of crossroads, on top of N. end of E. head wall of concrete culvert; chiseled square	455.57

(Continued in West St. Louis quadrangle; see line 6.)

13. FROM WEST BORDER OF QUADRANGLE NORTHEAST ALONG MISSOURI-KANSAS-TEXAS RAILROAD TO HARVESTER (by A. R. Friend in 1936-37)
(Continued from O'Fallon No. 3 quadrangle; see line 6.)

Hamburg, about 1.5 mi. SW. of, along Missouri-Kansas-Texas R.R., 60 ft. W. of clubhouse, 45 ft. N. of track, at point of rock bluff; iron post stamped "Missouri River Commission"	464.105
U.S.C.E. B.M. designated "247"	460.381
Hamburg, 0.6 mi. NE. of, along Missouri-Kansas-Texas R.R., 70 ft. N. of private rd. crossing, 15 ft. N. of fence, in concrete post; standard tablet stamped "T T 76 C 1936"	465.308
Hamburg, about 2.3 mi. E. of, along Missouri-Kansas-Texas R.R., 20 ft. N. and 30 ft. E. from private rd. crossing, on rock ledge; chiseled square	477.21
Weldon Springs, near Missouri-Kansas-Texas R.R. sta., 50 ft. E. of main track at rd. crossing, in concrete post; standard tablet stamped "26 M 1931"	470.139
Weldon Springs, in top of concrete abutment at NW. corner of new U.S. Highway 40 bridge over Missouri River; standard tablet (set by water-resources branch of U.S. Geol. Survey)	531.751
U.S.C.E. B.M. designated "255"	473.659
U.S.C.E. B.M. designated "257"	460.748
U.S.C.E. B.M. designated "9/3"	472.466
Seib, at Missouri-Kansas-Texas R.R. sta., 7 mi. SW. of St. Charles, 15 ft. N. and 16 ft. W. from rd. crossing, at sign painted "Seib", in concrete post; standard tablet stamped "T T 77 C 1936"	463.200
Seib, 1.4 mi. NE. of, along Missouri-Kansas-Texas R.R., 15 ft. N. and 15 ft. E. from track at bluff rd. to Harvester, at NW. corner of trestle, on top of bolt head; chiseled cross	466.26
Rd. fork W., 70 ft. N. of, in base of telephone pole; spike	621.62
Harvester, 0.5 mi. S. of, 15 ft. N. and 25 ft. W. from T-rd. W., in root on E. side of 24-in. elm tree; copper nail and washer	633.00
Harvester, 45 ft. S. and 150 ft. E. from State Highway 94 at rd. S., in top of concrete base of gasoline pumps; chiseled square	616.24

14. EAST ALONG MIDDLE OF NORTH BORDER OF QUADRANGLE

(Continued from Brussels quadrangle; see line 4.)

Cottleville, 1 mi. W. of, along Cottleville-Dardenne rd., about 450 ft. E. of bridge, 25 ft. N. of rd., on S. bank of large drainage ditch, in concrete post; standard tablet stamped "T T 78 C 1936"	478.134
Rd. fork NE., on SW. corner of abutment of bridge over Dardenne Creek; chiseled square	472.11

Cottleville, 1 mi. E. of, at W. junction of State Highway 94 and County Route N, on S. head wall of concrete culvert; chiseled square
 Harvester, 1 mi. SW. of, along State Highway 94 (Boonslick Road), 12 ft. S. and 25 ft. E. from highway at cross rd., on top of concrete head wall; chiseled square

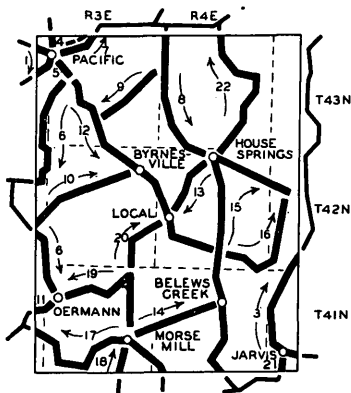
Feet
 477.26
 569.45

(Continued in Brussels quadrangle; see line 4.)

For additional level lines along Missouri River and Missouri Pacific R.R., refer to United States Coast and Geodetic Survey first-order lines, Twelve Miles Above St. Louis to Jefferson City and St. Louis to Jefferson City.

PACIFIC QUADRANGLE
 (Latitude $38^{\circ}15' - 38^{\circ}30'$; longitude $90^{\circ}30' - 90^{\circ}45'$)

Franklin, Jefferson, and St. Louis Counties



1. IN NORTHWEST CORNER OF QUADRANGLE (first-order line by E. L. McNair in 1908)
 (Continued from St. Clair quadrangle; see line 1.)

Pacific, on Main Street, 2 doors E. of bank, in SE. corner of foundation of building occupied by Butler's butcher shop; standard tablet stamped "466"
 Pacific, about 0.4 mi. W. of St. Louis-San Francisco Ry. sta., 55 ft. E. of main track, 40 ft. W. of corner of dwelling of Anton Brand, 9 ft. E. of rd., 3 ft. SW. of corner of picket fence; iron post stamped "465"

466.114

464.697

(Continued in St. Clair quadrangle; see line 1.)

2. ISOLATED BENCHMARKS (not shown on diagram) (by A. F. Montmorency and C. H. Dana in 1896. Elevations are doubtful because of an excessive closure.)

High Ridge, 3 mi. NE. of, on Gravois Road, in NE 1/4 sec. 7, T. 43 N., R. 5 E., at junction of rd. to Valley Park; iron post stamped "714"
 High Ridge, in SE 1/4 sec. 14, T. 43 N., R. 4 E., on rd. in front of post office; iron post stamped "926"
 House Springs, in N. end of E. abutment of bridge over Heads Creek; standard tablet stamped "465"
 Byrnesville, near center sec. 12, T. 42 N., R. 3 E., near center of SW. abutment of iron bridge over Big River; copper bolt stamped "459"
 T. 43 N., R. 3 E., near center sec. 27, on rd. from Pacific to Byrnesville, near Wilson dwelling, in rock; copper bolt stamped "479"
 Morse Mill, in N. abutment of bridge over Big River; standard tablet stamped "494"

714.339

926.929

473.612

461.542

479.793

494.694

3. NORTH ALONG SOUTH HALF OF EAST BORDER OF QUADRANGLE (by G. W. Lucas in 1913)
 (Continued from Kimmswick quadrangle; see line 2.)

Jarvis, near center sec. 19, T. 41 N., R. 5 E., about 175 ft. S. of post office, in rock; standard tablet stamped "Mo 532"
 Goldman, near junction of Lemay Ferry Road and Jarvis rd., 80 ft. S. of store; iron post stamped "Mo 481"
 Bulltown, 2.2 mi. W. of, 0.2 mi. N. of St. Paul's Church, 15 ft. N. and 30 ft. W. from center of triangle formed by junction of House Springs Road, Bulltown, and Murphy rds.; iron post stamped "Prim Trav Sta No 5 1913 881"

531.534

480.946

878.949

(Continued in Kimmswick quadrangle; see line 2.)

4. IN NORTHWEST CORNER OF QUADRANGLE (by E. W. Gouchenour in 1930)

Pacific, on Main Street, 2 doors E. of bank, in SE. corner of foundation of building occupied by Butler's butcher shop; standard tablet stamped "1466"	<u>Feet</u> 466.114
Reference mark, 12 ft. S. and 75 ft. W. from tablet, on curb; chiseled square	465.52

(Continued in Manchester quadrangle; see line 2.)

5. IN NORTHWEST PART OF QUADRANGLE, FROM PACIFIC SOUTHEAST 1.8 MILES (by George W. Moore and L. V. Johnson in 1930)

Pacific, 0.5 mi. S. of, 20 ft. N. and 20 ft. E. from rd. corner N.-E., 5 ft. W. of W. edge of sidewalk, 4 ft. SW. of power-line pole, on head wall of concrete culvert; chiseled square	457.09
Pacific, 1 mi. S. of, 50 ft. NE. of NE. corner of farmhouse, 18 ft. S. and 5 ft. W. from T-rd. E., on N. end of concrete retaining wall along E. side of farmyard; chiseled square	458.67
Pacific, about 1 mi. S., thence 0.3 mi. E. from, on top of curb on N. side of bridge over channel of Meramec River; copper nail	463.15
Pacific, 1 mi. S., thence 0.8 mi. E. from, 110 ft. NE. of center of triangle formed by rd. forks, on N. side of rd., in root on S. side of 36-in. oak tree; copper nail and washer	523.06

6. FROM POINT 1.8 MILES SOUTHEAST OF PACIFIC, SOUTH ALONG WEST BORDER TO OERMANN (by George W. Moore in 1930)

Pacific, 2.6 mi. SE. of, along rd. to Catawissa, in sec. 19, T. 43 N., R. 3 E., 40 ft. N. and 23 ft. E. from junction of rd. SW., 30 ft. N. of gate, inside field fence, in concrete post; standard tablet stamped "T T 58 L 1930"	591.710
Pacific, 3.5 mi. S. of, near cor. secs. 19, 24, 25, and 30, T. 43 N., R. 2 and 3 E., 35 ft. N. and 15 ft. W. from rd. corner N.-W., in fence line, in root on E. side of 5-in. hickory tree; copper nail and washer	517.78
T. 43 N., R. 2 E., E. sixteenth cor. sec. 25, 80 ft. S. of ford across creek, 180 ft. N. of T-rd. W., at W. edge of rd., in fence line, in root on NE. side of 10-in. elm tree; copper nail and washer	472.52
T. 43 N., R. 2 E., center of NE 1/4 sec. 36, at curve in rd. from S.-SW., on top of S. end of E. head wall of concrete culvert; chiseled square	576.44
T. 43 N., R. 2 E., E. sixteenth cor. sec. 36, 5 ft. N. and 30 ft. E. from crossroads, at N. edge of rd., in root on W. side of 7-in. oak tree; copper nail and washer	660.54
T. 43 N., R. 2 E., in SE 1/4 sec. 36, on top of E. head wall of concrete culvert; painted square	596.96
T. 42 N., R. 2 E., E. sixteenth cor. sec. 1, 690 ft. N. of T-rd. W., on top of N. end of E. head wall of concrete culvert; chiseled square	629.59
Lynch triangulation sta., 3.5 mi. SE. of Catawissa, 1.5 mi. NE. of Catholic Church (known locally as Rock Church), 36 ft. S. 23° E. of dwelling of A. A. Grief, in stone post; standard disk stamped "Lynch 1873 1922" (U.S.C. & G.S.)	876.399
Reference mark, 110 ft. SW. of disk, in root on E. side of 12-in. oak tree; copper nail and washer	871.04
T. 42 N., R. 2 E., in S 1/2 sec. 1, 35 ft. W. of NW. corner of Catholic Church (known locally as Rock Church), 25 ft. S. and 5 ft. W. from rd. corner E.-S., 35 ft. S. of fence corner, in root on SE. side of 15-in. basswood tree; copper nail and washer	763.96

(For balance in St. Clair quadrangle, see line 3.)

Oermann, 4.7 mi. N. of, 3.8 mi. SW. of Scheve, 57 ft. N. and 24 ft. W. from center of triangle formed by rd. forks, 16 ft. N. and 26 ft. W. from mail boxes on wheel, in fence line, in concrete post; standard tablet stamped "T T 49 L 1930"	702.545
Reference mark, 150 ft. S. of tablet, 20 ft. E. of rd., in root on SW. side of 9-in. oak tree; copper nail and washer	699.82
Oermann, 3.6 mi. N. of, in W 1/2 sec. 30, T. 42 N., R. 3 E., 610 ft. N. of rd. forks, on top of N. end of E. head wall of concrete culvert; chiseled square	565.74
Oermann, 2.8 mi. N. of, in NE 1/4 sec. 36, T. 42 N., R. 2 E., 75 ft. N. and 15 ft. E. from point where rd. enters creek, 70 ft. NE. of creek forks, on E. bank of creek at E. edge of rd. in creek, in root on SW. side of 34-in. twin elm tree; copper nail and washer	577.04
Oermann, 1.8 mi. N. of, 32 ft. S. and 85 ft. N. from rd. forks on line between secs. 6 and 31, Tps. 41 and 42 N., R. 3 E., 7 ft. N. and 116 ft. W. from rd. at creek crossing, 13 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 48 L 1930"	616.886
Reference mark, 28 ft. SE. of tablet, in root on S. side of 18-in. walnut tree; copper nail and washer	616.29
Oermann, 0.9 mi. N. of, in E 1/2 sec. 6, T. 41 N., R. 3 E., 400 ft. N. of dwelling, 50 ft. S. and 25 ft. E. from junction of private rd. W. over creek, in root on SW. side of 10-in. elm tree; copper nail and washer	656.51

7. FROM PACIFIC NORTHEAST ALONG MISSOURI-PACIFIC RAILROAD AND ST. LOUIS-SAN FRANCISCO RAILWAY TO NORTH BORDER OF QUADRANGLE

	<u>Feet</u>
Pacific, 1 mi. E. of, on N. side of Missouri-Pacific R.R. main track, on top of W. end of concrete base of semaphore; chiseled square	463.93
Pacific, 2 mi. E. of, 50 ft. SE. of St. Louis-San Francisco Ry., at NW. edge of rd., on top at N. end of concrete culvert; chiseled square	454.86
Pacific, 3 mi. NE. of, 1.5 mi. SW. of Allenton, 275 ft. SW. of St. Louis-San Francisco Ry. semaphore 310, 10 ft. SE. of track, 40 ft. N. of rd., on top at W. end of concrete culvert; chiseled square	462.00
Eureka, 3.3 mi. W. of, on N. corner of NW. concrete abutment of St. Louis-San Francisco Ry. overhead-crossing trestle MK-30.6; standard tablet stamped "T T 57 L 1930"	483.467

(Continued in Manchester quadrangle; see line 3.)

8. FROM NORTH BORDER OF QUADRANGLE SOUTHEAST TO HOUSE SPRINGS
(Continued from Manchester quadrangle; see line 6.)

Eureka, 1 mi. S. of, between two farmhouses on opposite sides of rd., at SW. edge of rd., on top of SW. head wall of concrete culvert; chiseled square	554.91
Eureka, 1.5 mi. S. of, on NW. wing wall of bridge over Meramec River; chiseled square	453.62
Eureka, 2 mi. S. of, NE. of crossroads, on top of W. end of N. head wall of concrete culvert; chiseled square	449.10
Eureka, 1.8 mi. S. and 0.9 mi. E. from, 1.8 mi. N. of Hoene Spring, 21 ft. S. and 43 ft. E. from junction of rd. SW., on top of SW. concrete abutment of bridge over Big River; standard tablet stamped "T T 53 L 1930"	445.147
Reference mark, 80 ft. W. of tablet, in root on E. side of 10-in. hickory tree; copper nail and washer	445.13
Hoene Spring, 0.8 mi. N. of, 725 ft. NW. of rd. to cabins, at NE. edge of rd., on top of SE. end of large limestone boulder; chiseled square	434.92
Hoene Spring, at NW. guardpost of concrete bridge, on floor; chiseled square	444.69
Hoene Spring, 0.5 mi. SE. of, at N. edge of rd., on top of W. end of N. head wall of concrete culvert; chiseled square	495.23
House Springs, 3.1 mi. NW. of, along rd. to Eureka, 52 ft. S. and 23 ft. W. from junction of rd. N. to Los Elban farm, 18 ft. S. of fence corner, in concrete post; standard tablet stamped "T T 52 L 1930"	503.941
Reference mark, 294 ft. W. of tablet, on top of S. head wall of concrete culvert; chiseled square	500.24
House Springs, 2.1 mi. NW. of, at NE. edge of rd., in root on E. side of 40-in. maple tree; copper nail and washer	457.29
House Springs, 1.4 mi. NW. of, 270 ft. W. of W. end of bridge over Big River, 28 ft. S. of rd., in root on NE. side of 24-in. walnut tree; copper nail and washer	445.29
House Springs, 0.5 mi. W. of, along State Highway 30, 25 ft. S. and 35 ft. E. from center of triangle formed by junction of rd. N., in root on S. side of 11-in. elm tree; copper nail and washer	455.09

9. IN NORTHWEST PART OF QUADRANGLE, FROM POINT 2 MILES SOUTH OF EUREKA SOUTHWEST TO POINT 6.5 MILES SOUTHEAST OF PACIFIC

Eureka, 2 mi. S. and 0.9 mi. W. from, on top of N. end of E. head wall of concrete culvert; chiseled square	470.48
Eureka, 3.5 mi. SW. of, 110 ft. NW. of junction of private rd. NE., on top of S. end of W. head wall of concrete culvert; chiseled square	454.86
Eureka, 4.3 mi. SW. of, near junction of Meramec River and Bark Creek, on E. side of Meramec River, in SW. end of retaining wall of bridge over Bark Creek; standard tablet stamped "2 M 1930"	444.163
Reference mark, 250 ft. NE. of tablet, on top at SE. end of NE. concrete abutment of steel bridge; chiseled square	441.12
Eureka, 5.3 mi. SW. of, at W. edge of rd. at curve from NE.-S., in root on E. side of 28-in. oak tree; copper nail and washer	522.83
Eureka, 6.2 mi. SW. of, 80 ft. NE. of junction of rd. NW., at SE. edge of rd., in root on W. side of 32-in. sycamore tree; copper nail and washer	495.86

10. FROM POINT NEAR MIDDLE OF WEST BORDER OF QUADRANGLE NORTHEAST TO BYRNESVILLE

Byrnesville, 6.3 mi. SW. of, 70 ft. SE. of barn on Coon Hollow farm, at gate to creek pasture, on SE. side of rd., in fence line, in root on NW. side of 24-in. chestnut-oak tree; copper nail and washer	553.43
Byrnesville, 5.5 mi. SW. of, 35 ft. NE. of junction of private rd. fork N., on top of S. end of E. head wall of concrete culvert; chiseled square	724.79
Byrnesville, 4.8 mi. SW. of, 50 ft. S. of rd. fork SE., 10 ft. SE. of corner fence post, in root on SE. side of 14-in. oak tree; copper nail and washer	744.89
Byrnesville, 4.6 mi. SW. of, 80 ft. NW. of Scheve School, NW. of T-rd. N., on top of E. end of N. head wall of concrete culvert; chiseled square	682.26
Byrnesville, 3.6 mi. SW. of, 0.2 mi. W. of Scheve, 230 ft. E. of creek, at S. edge of rd. near E. post of old gate to field, in root on NW. side of 18-in. oak tree; copper nail and washer	579.49

Scheve, 3.4 mi. W. of Byrnesville, 44 ft. E. of SE. corner of old store building, 38 ft. N. of rd. in front of entrance to yard of B. Behnen, 3 ft. S. of fence corner, in concrete post; standard tablet stamped "T 51 L 1930"	Feet 653.951
Reference mark, 270 ft. W. of tablet, on top of E. end of S. head wall of concrete culvert; chiseled square	640.56
Byrnesville, 3 mi. W. of, 55 ft. NE. of large, wooden bridge, 25 ft. N. of junction of private rd. N., in root on S. side of 4-in. tree; copper nail and washer	567.77
Byrnesville, 2 mi. W. of, 45 ft. S. of crossroads, at W. gatepost, in root on W. side of 12-in. oak tree; copper nail and washer	641.56
Byrnesville, 1.6 mi. W. of, 75 ft. E. of rd. forks, on top of E. end of S. head wall of concrete culvert; chiseled square	505.34
Byrnesville, 0.9 mi. W. of, 25 ft. N. and 75 ft. E. from T-rd. S., 70 ft. E. of fence corner, in root on N. side of 21-in. cherry tree; copper nail and washer	480.30
Byrnesville, 0.7 mi. W. of, 0.3 mi. S. of schoolhouse, 160 ft. E. of rd. forks, on S. side of rd., on E. end of S. concrete head wall of bridge over creek; chiseled square	473.65 487.21
Byrnesville, NE. corner of rd. forks, in side of signpost; spike	
11. FROM OERMANN SOUTHWEST TO WEST BORDER OF QUADRANGLE (leveled twice by George W. Moore and once by H. P. Jones in 1930)	
Oermann, on line between secs. 7 and 8, T. 41 N., R. 3 E., 40 ft. N. and 75 ft. E. from State Highway at cross rd., on SW. corner of platform to store of J. O. Craig; chiseled square	789.96
Oermann, 0.7 mi. SW. of, near S. sixteenth cor. sec. 7, T. 41 N., R. 3 E., 20 ft. S. and 40 ft. W. from T-rd. N., 35 ft. E. of oak tree; at S. edge of rd., in root on SW. side of 11-in. hickory tree; copper nail and washer	819.18
Oermann, 1.4 mi. SW. of, 1.1 mi. NE. of Grubville, in SE 1/4 sec. 12, T. 41 N., R. 2 E., 25 ft. W. of State Highway 30, 65 ft. S. of rd. W., 30 ft. E. of store, in root on E. side of 17-in. oak tree; copper nail and washer	866.81
12. FROM POINT 1.8 MILES SOUTHEAST OF PACIFIC SOUTHEAST THROUGH BYRNESVILLE TO POINT 5.7 MILES SOUTH OF HOUSE SPRINGS (by L. V. Johnson in 1930)	
Pacific, 1 mi. S. and 1.2 mi. E. from, 170 ft. E. of ford across creek, 150 ft. NW. of farmhouse, 40 ft. E. of junction of private rd. SE. to farmhouse; in root on W. side of large twin elm tree; copper nail and washer	487.19
Pacific, 3 mi. SE. of, on SE. side of hill, W. of creek, at E. edge of level stretch of land, 10 ft. S. of rd., at group of three cedar trees, in root on N. side of 8-in. cedar tree; copper nail and washer	641.23
Pacific, 3.5 mi. SE. of, 0.5 mi. E. of McNamee School, on W. side of creek, at bottom of large ravine, 15 ft. SE. of triangle formed by rd. forks, in root on N. side of 48-in. oak tree; copper nail and washer	462.89
Pacific, 3.7 mi. SE. of, along Byrnesville-Pacific rd., 0.3 mi. SW. of McNamee School, 35 ft. E. of center of triangle formed by rd. forks, in root on W. side of 14-in. twin oak tree; copper nail and washer	659.24
Pacific, 4.3 mi. SE. of, along Byrnesville-Pacific rd., 210 ft. E. of rd. corner from N.-E., on E. end of N. head wall of concrete culvert; chiseled square	580.40
Pacific, 4.3 mi. SE. of, along Byrnesville-Pacific rd., in W 1/2 sec. 29, T. 43 N., R. 3 E., 50 ft. N. and 45 ft. E. from junction of rds. E. and N., in concrete post; standard tablet stamped "1 J 1930"	606.790
Pacific, 5 mi. SE. of, along Byrnesville-Pacific rd., 800 ft. E. of ford across creek, 300 ft. SE. of curve in rd., 30 ft. E. of dim cross rd., 40 ft. SE. of mail box, 18 ft. SE. of gatepost, in root on S. side of 30-in. oak tree; copper nail and washer	526.47
Pacific, 5.6 mi. SE. of, along Byrnesville-Pacific rd., 0.9 mi. W. of Bark Creek, just E. of top of large hill, in triangle formed by rd. forks, in root on NW. side of 36-in. oak tree; copper nail and washer	754.30
Pacific, 6.5 mi. SE. of, along Byrnesville-Pacific rd., in NE 1/4 sec. 33, T. 43 N., R. 3 E., 140 ft. N. and 60 ft. E. from N. end of bridge over Bark Creek, 5 ft. E. of fence corner, in concrete post; standard tablet stamped "2 J 1930"	473.873
Reference mark, 120 ft. N. of W. end of bridge, on head wall of concrete culvert; chiseled square	474.49
Pacific, 7.6 mi. SE. of, along Byrnesville-Pacific rd., on W. slope of first hill E. of Bark Creek, 500 ft. SE. of farmhouse, 150 ft. SE. of rd. forks, on S. side of rd., in root on W. side of 6-in. oak tree; copper nail and washer	688.12
Byrnesville, 2 mi. NW. of, along Byrnesville-Pacific rd., 8.4 mi. SE. of Pacific, at top of hill, 12 ft. E. of rd., in root on S. side of 30-in. oak tree; copper nail and washer	875.31
Byrnesville, 0.7 mi. W., thence 0.7 mi. N. from, along Byrnesville-Pacific rd., 130 ft. SE. of wooden culvert over drain, on N. side of rd., in root on SW. side of twin elm tree; copper nail and washer	529.24
Byrnesville, 1 mi. SE. of, along Byrnesville-Local rd., 33 ft. W. of rd., 20 ft. W. of corner fence post at fences S. and W., in root on E. side of small, twin oak tree; copper nail and washer	461.03
Local, 65 ft. W. of State Highway 30 at rd. N. to Byrnesville, 3 ft. W. of well in root on N. side of 12-in. walnut tree; copper nail and washer	481.52

Local, 1.2 mi. S. of, 21 ft. S. and 85 ft. W. from rd. corner W.-S., 10 ft. E. of 24-in. hickory tree, in concrete post; standard tablet stamped "3 J 1930"	<u>Feet</u> 584.800
Reference mark, 20 ft. S. and 90 ft. W. from rd. corner, in root on N. side of 30-in. hickory tree; copper nail and washer	585.19
Local, 1.6 mi. S. of, 35 ft. S. of rd. forks, 55 ft. SW. of mail box, in root on W. side of 36-in. oak tree; copper nail and washer	608.77
Local, 2.5 mi. SE. of, 2 mi. E. of Cedar Hill, 15 ft. S. and 16 ft. E. from rd. corner N.-E., 50 ft. SE. of mail box, in root on N. side of 12-in. oak tree; copper nail and washer	623.65
Cedar Hill, 3 mi. E. of, on W. side of ravine, 15 ft. NW. of junction of private rd. S. to farmhouse, 1 ft. S. of mail box, in root on NE. side of 40-in. oak tree; copper nail and washer	565.13
Hillsboro, 8.4 mi. N. of, along Hillsboro-House Springs Road, 5.4 mi. S. of House Springs, 23 ft. S. and 23 ft. W. from junction of rd. W., 11 ft. NW. of 7-in. cedar tree, 12 ft. SW. of mail box of Joseph Schroder, in concrete post; standard tablet stamped "T T 29 L 1930"	662.090
Reference mark, 10 ft. SE. of tablet, in root on W. side of 9-in. cedar tree; copper nail and washer	660.78
Hillsboro, 8.1 mi. N. of, along Hillsboro-House Springs Road, 16 ft. S. and 27 ft. E. from junction of rd. E., in root on S. side of 10-in. hickory tree; copper nail and washer	650.69

13. FROM HOUSE SPRINGS SOUTHWEST TO LOCAL (by H. P. Jones in 1930)

House Springs, 1.5 mi. SW. of, along State Highway 30, on W. side of highway, on head wall of concrete culvert; chiseled square	508.76
House Springs, 2.8 mi. SW. of, along State Highway 30, near center of SW 1/4 sec. 8, T. 42 N., R. 4 E., at foot of hill, 37 ft. N. and 26 ft. W. from highway at dim private rd. NW., 4 ft. S. of telegraph pole, on S. bank of small creek, in concrete post; standard tablet stamped "T T 36 L 1930"	602.506
Local, 0.8 mi. N. of, along State Highway 30, 3.5 mi. SW. of House Springs, on top of ridge, 60 ft. E. of highway at dim rd. E., in root on S. side of 20-in. oak tree; copper nail and washer	762.24

14. FROM MORSE MILL NORTHEAST TO FORMER BELEWS CREEK POST OFFICE

Morse Mill, in N. abutment of bridge over Big River; standard tablet stamped "494"	494.694
Reference mark, 125 ft. NE. of N. end of bridge, on E. end of concrete island of filling sta.; chiseled square	499.82
Morse Mill, 1 mi. N. of, 45 ft. N. of T-rd. E., on W. head wall of concrete culvert; chiseled square	557.33
Morse Mill, 1.2 mi. N. and 0.8 mi. E. from, on W. bank of Big River at McCulloch Ford, in root on N. side of 18-in. elm tree; copper nail and washer	473.32
McCulloch Ford, 0.8 mi. E. of, along rd. to Belews Creek post office (abandoned), at E. side of ford across small stream, in root on N. side of 16-in. hickory tree; copper nail and washer	470.55
Belews Creek, 2.7 mi. W. of old post office, along rd. to McCulloch Ford, 0.5 mi. W. of ford across Belews Creek, on top of hill, 55 ft. S. of dim rd. fork S., 73 ft. S. 8° E. of blazed 18-in. oak tree, 33 ft. N. 84° W. of blazed 15-in. oak tree, at edge of rd., in concrete post; standard tablet stamped "T T 32 L 1930"	699.384
Reference mark, in root on E. side of triangular-blazed 18-in. oak tree; copper nail and washer	698.78
Belews Creek, 1.8 mi. W. of old post office, along rd. to McCulloch Ford, 30 ft. S. of rd. fork N., in root on S. side of 15-in. oak tree; copper nail and washer	520.87
Belews Creek, 1 mi. W. of old post office, 40 ft. NW. of rd. fork S., in root on S. side of 20-in. oak tree; copper nail and washer	558.72

15. FROM MIDDLE OF EAST HALF OF SOUTH BORDER OF QUADRANGLE, NORTH TO HOUSE SPRINGS, THENCE SOUTHEAST TO POINT NEAR EAST BORDER

Hillsboro, 1.8 mi. NW. of, along Hillsboro-House Springs Road, in SW 1/4 sec. 27, T. 41 N., R. 4 E., 75 ft. W. of junction of private rd. W., in fence line, in root on N. side of 18-in. oak tree; copper nail and washer	755.98
Hillsboro, 2.5 mi. NW. of, along Hillsboro-House Springs Road, in NW 1/4 sec. 27, T. 41 N., R. 4 E., 20 ft. S. and 20 ft. W. from junction of rd. W., in root on W. side of 10-in. oak tree; copper nail and washer	744.96
Hillsboro, 3.2 mi. N. of, along Hillsboro-House Springs Road, 200 ft. S. of junction of rd. NW., 7 ft. S. and 30 ft. E. from junction of rd. SE., 60 ft. S. of gate to field, 26 ft. S. and 7 ft. E. from triangular-blazed 8-in. oak tree, 2 ft. E. of fence, in concrete post; standard tablet stamped "T T 27 L 1930"	744.588
Reference mark, 100 ft. S. of junction of rd. NW., 100 ft. N. of junction of rd. SE., on E. side of rd., in root on W. side of 20-in. oak tree; copper nail and washer	743.25
Hillsboro, 4.5 mi. N. of, along Hillsboro-House Springs Road, 100 ft. N. and 40 ft. E. from junction of rd. E., in root on W. side of 22-in. oak tree; copper nail and washer	774.14
Hillsboro, 5.3 mi. N. of, along Hillsboro-House Springs Road, 58 ft. N. of former Belews Creek post office, 18 ft. N. and 50 ft. E. from junction of rd. E. to Goldman, 11 ft. SE. of fence corner, 11 ft. N. of old rusted iron post stamped "708", in concrete post; standard tablet stamped "T T 28 L 1930"	708.283

Reference mark, at SE. corner of T-rd. E., in root on N. side of 10-in. oak tree; copper nail and washer	Feet 706.14
Hillsboro, 6.3 mi. N. of, along Hillsboro-House Springs Road, 10 ft. N. and 10 ft. E. from junction of rd. E., in N. end of wooden culvert; copper nail and washer	649.16
Hillsboro, 7 mi. N. of, along Hillsboro-House Springs Road, 80 ft. E. of bridge over creek, on SE. side of rd., in root on N. side of 30-in. oak tree; copper nail and washer	556.83
House Springs, 4 mi. S. of, along Hillsboro-House Springs Road, on top of ridge, on W. side of rd., in root on SE. side of 26-in. oak tree; copper nail and washer	801.36
House Springs, 3.2 mi. S. of, along Hillsboro-House Springs Road, 100 ft. N. of ford across Bourne Creek, 50 ft. NW. of rd. fork SE. to Mount Olive School, on W. side of rd., in root on E. side of 28-in. walnut tree; copper nail and washer	627.04
House Springs, 2.2 mi. S. of, along Hillsboro-House Springs Road, 27 ft. E. of Bourne Creek, 160 ft. S. of large, wooden culvert, 12 ft. E. of rd., about 10 ft. N. of two triangular-blazed 30-in. elm trees, in concrete post; standard tablet stamped "T T 30 L 1930"	556.909
Reference mark, 40 ft. E. of rd., in root on S. side of 10-in. maple tree; copper nail and washer	557.09
House Springs, 1 mi. S. of, along Hillsboro-House Springs Road, on E. side of rd., in fence line, in root on NW. side of 20-in. sycamore tree; copper nail and washer	524.33
House Springs, in N. end of E. abutment of new bridge over Heads Creek; standard tablet stamped "465"	473.612
Reference mark, 60 ft. E. of E. end of bridge, at T-rd. N., on W. head wall of concrete culvert; chiseled square	474.39
House Springs, 0.8 mi. SE. of, along Antonia Road, 30 ft. N. and 10 ft. E. from junction of rd. E., on top of head wall of concrete culvert; chiseled square	493.58
House Springs, 1.8 mi. SE. of, along Antonia Road, 60 ft. E. of junction of rd. NE., in top at NE. corner of N. head wall of concrete bridge over creek; standard tablet stamped "T T 38 L 1930"	529.362
House Springs, 3.2 mi. SE. of, along Antonia Road, on SW. corner of bottom step at entrance to Heads Creek School; chiseled square	575.46
House Springs, 4.2 mi. SE. of, along Antonia Road, 3 mi. W. of Bulltown, at bottom of hill, on W. end of N. head wall of concrete culvert; chiseled square	639.24

16. FROM POINT 5.4 MILES SOUTH OF HOUSE SPRINGS EAST AND NORTH TO POINT NEAR EAST BORDER OF QUADRANGLE

T. 42 N., R. 4 E., center of SE 1/4 sec. 34, 8 mi. N., thence 1 mi. E. from Hillsboro, 18 ft. W. of rd. corner N.-E., in root on E. side of 20-in. oak tree; copper nail and washer	617.25
T. 42 N., R. 4 E., in SW 1/4 sec. 35, in triangle formed by rd. fork N. to Mount Olive School, in root on S. side of 18-in. hickory tree; copper nail and washer	684.29
T. 42 N., R. 4 E., about 0.1 mi. E. of S. cor. secs. 35 and 36, at bottom of hill, on N. side of rd., in root on S. side of 6-in. elm tree; copper nail and washer	754.80
Goldman, 2 mi. N. and 0.5 mi. W. from, in SE 1/4 SW 1/4 sec. 36, T. 42 N., R. 4 E., on top of ridge, at SW. corner of rd. fork S., in concrete post; standard tablet stamped "T T 37 L 1930"	861.874
Reference mark, at SW. corner of rd. fork, in root on SE. side of 26-in. oak tree; copper nail and washer	862.29
Goldman, 2 mi. N. of, in SE 1/4 sec. 36, T. 42 N., R. 4 E., 45 ft. E. of rd. fork NE., in root on N. side of 18-in. oak tree; copper nail and washer	908.05
T. 42 N., R. 5 E., in SW 1/4 SE 1/4 sec. 30, 30 ft. S. of T-rd. N., in root on W. side of 22-in. oak tree; copper nail and washer	926.46
T. 42 N., R. 5 E., in NW 1/4 NE 1/4 sec. 30, 10 ft. E. of junction of private rd. S., in root on N. side of 8-in. oak tree; copper nail and washer	897.27

17. FROM MIDDLE OF SOUTH BORDER OF QUADRANGLE NORTHWEST TO MORSE MILL, THENCE WEST TO WEST BORDER (leveled twice by H. P. Jones in 1930)

(Continued from De Soto quadrangle; see line 3.)

Hillsboro, 4.8 mi. NW. of, along Hillsboro-Morse Mill Road, near quarter cor. between secs. 30 and 31, T. 41 N., R. 4 E., 40 ft. W. of junction of dim rd. E., in root on E. side of 18-in. oak tree; copper nail and washer	776.88
Hillsboro, 5 mi. NW. of, along Hillsboro-Morse Mill Road, 2.2 mi. SE. of Morse Mill, 31 ft. S. and 25 ft. W. from dim cross rd., 14 ft. W. of oak tree, in concrete post; standard tablet stamped "T T 33 L 1930"	797.944
Reference mark, 30 ft. S. and 11 ft. W. from dim cross rd., in root on N. side of 12-in. oak tree; copper nail and washer	797.86
Morse Mill, 1.5 mi. SE. of, along Hillsboro-Morse Mill Road, 75 ft. SW. of Ludlow mail box, on E. side of rd., in root on W. side of 20-in. oak tree; copper nail and washer	655.60
Morse Mill, 0.5 mi. E. of, at junction of Hillsboro-Morse Mill and Ware Roads, on E. end of concrete culvert; chiseled square	490.25
Morse Mill, 1 mi. NW. of, on top of S. head wall of concrete culvert; chiseled square	507.97
Morse Mill, 1.8 mi. NW. of, along river rd. to Bethlehem Church, 115 ft. E. of machinery shed, on S. side of rd., in root on S. side of 15-in. oak tree; copper nail and washer	492.20

Morse Mill, 2.1 mi. W. of, along river rd., 2.2 mi. E. of Bethlehem Church, 15 ft. S. and 26 ft. W. from rd. fork N., 15 1/2 ft. S. 38° W. of blazed 48-in. oak tree, in concrete post; standard tablet stamped "T T 47 L 1930"	<u>Feet</u> 495.911
Reference mark, 70 ft. SE. of tablet, in root on S. side of 6-in. oak tree; copper nail and washer	494.06
Bethlehem Church, 1.1 mi. E. of, along river rd., on W. side of rd., in root on N. side of 12-in. boxelder tree; copper nail and washer	488.05
Grubville, 3.9 mi. SE. of, along Grubville-Ware rd., 240 ft. S. 72° W. of W. corner of Bethlehem Church, 42 ft. N. 35° W. of S. corner of cemetery fence, 25 ft. NE. of rd., in concrete post; standard tablet stamped "T T 46 L 1930"	620.149
Reference mark, 190 ft. SW. of W. corner of church, in root on E. side of 24-in. oak tree; copper nail and washer	616.42
Grubville, 3.2 mi. SE. of, along Grubville-Ware rd., 0.8 mi. NW. of Bethlehem Church, on N. side of rd., in fence line, in root on S. side of 10-in. elm tree; copper nail and washer	658.00
Grubville, 2.5 mi. SE. of, along Grubville-Ware rd., 30 ft. S. and 10 ft. E. from center of triangle formed by rd. fork S., in root on SE. side of 12-in. oak tree; copper nail and washer	702.38
Grubville, 1.8 mi. SE. of, along Grubville-Ware rd., 100 ft. N. of gate at junction of private rd. W., at N. corner of triangle formed by rd. forks, in root on S. side of 10-in. oak tree; copper nail and washer	735.86
Grubville, 1 mi. SE. of, along Grubville-Ware rd., 65 ft. E. of dim rd. fork E., in root on S. side of 6-in. oak tree; copper nail and washer	810.64

18. FROM SOUTH BORDER OF QUADRANGLE NORTHEAST TO POINT NEAR MORSE MILL

(Continued from De Soto quadrangle; see line 5.)

Ware, 2.9 mi. N. of, 15 ft. S. of T-rd. W., on W. side of N. abutment of bridge; chiseled square	496.13
Ware, 3.5 mi. N. of, on S. side of E. abutment of concrete bridge over Dry Creek; chiseled square	494.84

19. FROM MORSE MILL NORTH ABOUT 3 MILES, THENCE SOUTHWEST TO OERMANN

Morse Mill, 2 mi. N. of, 145 ft. N. of T-rd. E., on E. head wall of concrete culvert; chiseled square	490.28
Morse Mill, 3.3 mi. N. of, 2.2 mi. SE. of Cedar Hill, 100 ft. S. 41° 30' W. of rd. forks, 139 ft. N. 35° 40' E. of NE. corner of dwelling of W. F. Null, 10 ft. W. of 8-in. cedar tree, in concrete post; standard tablet stamped "T T 34 L 1930"	704.395
Reference mark, 90 ft. SW. of rd. fork SW., in root on N. side of 8-in. cedar tree; copper nail and washer	703.93
Morse Mill, 3.3 mi. N., thence 1 mi. W. from, on rd. to Oermann, at NW. corner of dim rd. fork N., on N. side of rd., in root of small persimmon tree; copper nail and washer	716.12
Morse Mill, 3.3 mi. N., thence 2 mi. W. from, on rd. to Oermann, 2.5 mi. NE. of Oermann, 15 ft. N. of junction of rd. S., in root on S. side of 15-in. hickory tree; copper nail and washer	703.78
Oermann, 1.8 mi. NE. of, on rd. to Morse Mill, 50 ft. N. of dim rd. fork N., in root on W. side of twin oak tree; copper nail and washer	745.78
Oermann, 1.1 mi. NE. of, along State Highway 30, at curve to N., 5 ft. S. and 49 ft. E. from highway sign in triangle at rd. junction, 3 ft. NE. of fence corner. in concrete post; standard tablet stamped "T T 45 L 1930"	765.977
Reference mark, 100 ft. W. of center of triangle at rd. forks, in top of stump; copper nail and washer	767.36

20. IN CENTRAL PART OF QUADRANGLE, FROM POINT 3.3 MILES NORTH OF MORSE MILL NORTHEAST TO LOCAL

Cedar Hill, 1.8 mi. S. of, 80 ft. NE. of rd. fork NE., in root on W. side of 12-in. oak tree; copper nail and washer	704.49
Cedar Hill, 0.5 mi. S. of, SW. of State Highway 30 at rd. to Morse Mill, on top of head wall of concrete culvert; chiseled square	469.35
Cedar Hill, on W. end of S. abutment of bridge over Big River; chiseled square	477.54
Cedar Hill, at NE. limits of, on top of hill, 21 ft. N. and 37 ft. E. from T-rd. E., at SW. corner of grape arbor of A. F. Crull, 5 ft. N. of Pierce Pennant signpost, in concrete post; standard tablet stamped "T T 35 L 1930"	629.393
Reference mark, 60 ft. S. of T-rd. E., on W. side of rd., on top of concrete curb of steps to dwelling; chiseled square	622.64
Cedar Hill, 1 mi. N. of, 0.5 mi. S. of Local, near church and school, at SW. corner of crossroads, in root on N. side of 12-in. oak tree; copper nail and washer	543.68

21. IN SOUTHEAST CORNER OF QUADRANGLE

(Continued from De Soto quadrangle; see line 8.)

Hillsboro, 3.8 mi. NE. of, along Hillsboro-Pevely Road, 20 ft. S. of junction of rd. N. to Goldman, in root on E. side of 18-in. oak tree; copper nail and washer	712.83
Hillsboro, 4.8 mi. NE. of, along Hillsboro-Pevely Road, 1 mi. S. of Jarvis, on E. side of rd., in fence line, in root on W. side of 20-in. oak tree; copper nail and washer	623.60

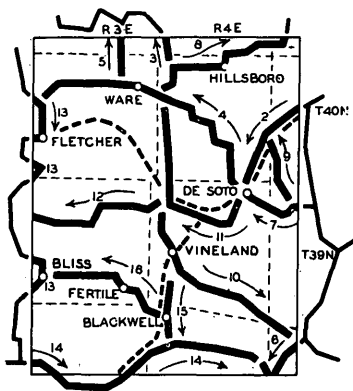
22. FROM HOUSE SPRINGS NORTHEAST TO HIGH RIDGE, THENCE NORTHWEST TO NORTH BORDER OF QUADRANGLE (by George W. Moore in 1931)

House Springs, at NE. edge of, 35 ft. NW. of State Highway 30, in front of soft-drink parlor of E. A. Boemler, on E. corner of concrete platform; chiseled square	<u>Feet</u> 484.95
House Springs, 1.5 mi. NE. of, along State Highway 30, at junction of rd. N., on top of SW. end of SE. head wall of concrete culvert; chiseled square	528.22
House Springs, 2.5 mi. NE. of, along State Highway 30, 1.8 mi. SW. of High Ridge, 240 ft. S. and 35 ft. E. from highway at rd. SW. to Byrnes Mill, 25 ft. N. of produced tangent of rd. SW., inside of fence, in concrete post; standard tablet stamped "T T 31 L 1930"	777.601
Reference mark, 490 ft. S. of highway at rd. SW., on S. end of W. head wall of concrete culvert; chiseled square	761.44
High Ridge, 0.8 mi. SW. of, along State Highway 30, 90 ft. N. of gate across walk to dwelling of E. W. Gunther, 30 ft. W. of highway, 2 ft. S. of fence corner, on N. end of concrete foundation of fence; chiseled square	899.48
High Ridge, in SE 1/4 sec. 14, T. 43 N., R. 4 E., on rd. in front of post office; iron post stamped "926"	926.929
Reference mark, 375 ft. N. of tablet, on top of S. end of bottom step to St. Anthony of Padua Church; chiseled square	928.11
High Ridge, 1.1 mi. NW. of, 85 ft. W. of private cross rd., at N. edge of rd., in root on SE. side of 18-in. elm tree; copper nail and washer	898.48
High Ridge, 1.5 mi. NW. of, NW. of rd. fork NW., in root on SW. side of forked oak tree; copper nail and washer	888.22
High Ridge, 2.5 mi. NW. of, 0.2 mi. W. of center sec. 10, T. 43 N., R. 4 E., 40 ft. W. of triangle formed by junction of Antire Creek Road and rd. E., 10 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 56 L 1930"	579.676
Reference mark, 210 ft. S. and 220 ft. E. from tablet, in root on SE. side of 48-in. oak tree; copper nail and washer	587.27
High Ridge, 3.4 mi. NW. of, 20 ft. N. of Antire Creek Road at private rd. W. to farmhouse, at E. edge of rd., on N. wing wall of small concrete culvert; chiseled square	546.68

(Continued in Manchester quadrangle; see line 7.)

For an additional level line in NW. corner of quadrangle along Missouri Pacific R.R., refer to United States Coast and Geodetic Survey first-order line, St. Louis to Jefferson City.

DE SOTO QUADRANGLE
(Latitude 38°00'-38°15'; longitude 90°30'-90°45')
Jefferson, St. Francois, and Washington Counties



1. ISOLATED BENCHMARKS (not shown on diagram) (by A. F. Montmorency and C. H. Dana in 1896. Elevations are doubtful because of an excessive closure.)

Hillsboro, in N 1/2 sec. 3, T. 40 N., R. 4 E., in cornerstone of courthouse; standard tablet stamped "801"	802.204
Ware, near center sec. 11, T. 40 N., R. 3 E., near post office, on N. bank of Dry Creek, in sandstone ledge; copper bolt stamped "552"	551.946
De Soto, in SE. corner of foundation of opera house; standard tablet stamped "508"	508.794
Valles Mines, 2.5 mi. NW. of, near SE. cor. sec. 30, T. 39 N., R. 5 E., 300 ft. E. of Coles Mill, in rock ledge; copper bolt stamped "646"	647.437
Fertile, 2.5 mi. SW. of, in SE 1/4 sec. 4, T. 38 N., R. 3 E., at rd. fork to Fillmore, on E. side of rd., in sandstone rock; copper bolt stamped "913"	911.982

Fertile, in sec. 27, T. 39 N., R. 3 E., on side of doorsill at Higginbotham dwelling; standard tablet stamped "763"	Feet 761.837
Blackwell, 0.8 mi. S. of, in NE 1/4 sec. 7, T. 38 N., R. 4 E., in N. abutment of Missouri Pacific R.R. bridge; copper bolt stamped "594"	592.246
Victoria, about 1 mi. NE. of, along Missouri Pacific R.R., in E. end of N. pier of bridge 28; standard tablet stamped "452"	452.151

2. FROM POINT 1 MILE NORTHEAST OF VICTORIA SOUTHWEST ALONG MISSOURI PACIFIC RAILROAD TO DE SOTO (leveled twice by H. P. Jones in 1930)

(Continued from Crystal City quadrangle; see line 3.)

Victoria, about 1 mi. NE. of, along Missouri Pacific R.R., in E. end of pier of bridge 28; standard tablet	446.601
Victoria, 174 ft. N. of Missouri Pacific R.R. sta., 29 ft. N. and 49 ft. E. from rd. crossing, 14 ft. SW. of SW. corner of store building of C. Marsden and Son, on SW. corner of concrete porch; chiseled square	468.30
Victoria, 0.5 mi. S. of, along Missouri Pacific R.R., 30 ft. W. of track, on N. side of E. end of bridge over Joachim Creek, in painted circle on anchor-plate; spike	467.31
Victoria, 1.5 mi. S. of, along Missouri Pacific R.R. about 1.8 mi. N. of De Soto, 290 ft. S. of private rd. crossing, on W. side of track, on N. end of concrete culvert; chiseled square	476.96
De Soto, in N. part of town, on W. side of Missouri Pacific R.R., near crossing of State Highway 21, on E. end of concrete base of warning signal; chiseled square	495.10
De Soto, 31 ft. N. of NE. corner of Missouri Pacific R.R. sta. and in line with E. face, 25 ft. W. of main track, at N. edge of sta. platform, in S. corner of garden plot, 1 ft. W. of concrete mail-box post, in concrete post; standard tablet stamped "T T 8 L 1930"	498.555

3. FROM POINT 5.6 MILES NORTHWEST OF DE SOTO NORTH TO NORTH BORDER OF QUADRANGLE (leveled twice by H. P. Jones in 1930)

Ware, 2.5 mi. SE. of, about 0.8 mi. N. of junction of Hillsboro-Potosi rd. and Ware Road, 200 ft. E. of farmhouse, 12 ft. S. and 60 ft. E. from junction of rd. E., 18 ft. E. of mail-box post, in root on N. side of 10-in. oak tree; copper nail and washer	805.46
Hillsboro, 4 mi. SW. of, 85 ft. S. of junction of Hillsboro-Potosi and Cotter Creek rds., in root on N. side of 12-in. oak tree; copper nail and washer	767.02
Hillsboro, 3 mi. SW. of, along Hillsboro-Potosi rd., near center sec. 8, T. 40 N., R. 4 E., 165 ft. N. 27° E. of NE. corner of Seemal School, 22 ft. W. of rd., 5 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 23 L 1930"	760.916
Reference mark, at NE. corner of school, on concrete porch; chiseled square	762.37
Hillsboro, 2 mi. W. of, 75 ft. W. of junction of Hillsboro-Potosi rd. and Gravois Road, in root on E. side of twin oak tree; copper nail and washer	843.92
Hillsboro, 3 mi. W. of, along Gravois Road, at E. end of entrance to farmhouse of H. Kummer, on S. side of rd., in root on W. side of 18-in. oak tree; copper nail and washer	852.17
Hillsboro, 3.8 mi. W. of, along Gravois Road, 35 ft. N. of junction of dim rd. E., on E. side of rd., in fence line, in root on S. side of 26-in. oak tree; copper nail and washer	799.89

(Continued in Pacific quadrangle; see line 17.)

4. FROM POINT NEAR DE SOTO NORTHWEST TO WARE, THENCE WEST TO WEST BORDER OF QUADRANGLE (by H. P. Jones in 1930)

De Soto, 1 mi. NW. of, along rd. to Cotter Creek (old Brickyard rd.), S. of rd. fork W., on W. side of rd., on head wall of concrete culvert; chiseled square	547.86
De Soto, 2.8 mi. NW. of, along rd. to Cotter Creek (old Brickyard rd.), in N 1/2 sec. 27, T. 40 N., R. 4 E., 60 ft. SE. of SE. corner of New Liberty School, 64 ft. N. and 32 ft. W. from rd. fork N., in concrete post; standard tablet stamped "T T 25 L 1930"	687.033
Reference mark, on S. end of bottom step of entrance to school; chiseled square	686.55
De Soto, 3.5 mi. NW. of, along rd. to Cotter Creek (old Brickyard rd.), about 100 ft. S. of bridge over Cotter Creek, on E. side of rd., in root on E. side of 26-in. sycamore tree; copper nail and washer	510.94
De Soto, 4.5 mi. NW. of, along Cotter Creek rd., 4 mi. SW. of Hillsboro, in SW 1/4 SW 1/4 sec. 16, T. 40 N., R. 4 E., 42 ft. S. and 8 ft. W. from junction of rd. N. to Hillsboro, 80 ft. N. of farmhouse, 11 ft. SW. of fence corner, in concrete post; standard tablet stamped "T T 24 L 1930"	559.850
Reference mark, 45 ft. NW. of junction of rd. N., in root of 20-in. oak tree; copper nail and washer	565.54
De Soto, about 5.5 mi. NW. of, along Cotter Creek rd., 4 mi. SW. of Hillsboro, 55 ft. W. of pipe line crossing, on N. side of rd., in fence line, in root on S. side of 20-in. oak tree; copper nail and washer	616.20
De Soto, 6.8 mi. NW. of, along Ware Road, 3 ft. NW. of S. gate to yard of John Trimble, on N. side of rd., in root of 12-in. catalpa tree; copper nail and washer	758.62

Ware, 2 mi. SE. of, along Ware Road, in SW 1/4 sec. 13, T. 40 N., R. 3 E., 34 ft. N. and 33 ft. W. from junction of rd. W., 22 ft. N. of gatepost at fence corner, inside fence, in concrete post; standard tablet stamped "T T 43 L 1930"	Feet 730.407
Ware, 0.8 mi. S. of, along Ware Road, 65 ft. S. of junction of rd. SW., 75 ft. S. of mail box of James Johnson, on W. head wall of concrete culvert; chiseled square	563.52
Ware, 1.1 mi. W. of, at W. end of wire gate, on N. side of rd., in root of 18-in. oak tree; copper nail and washer	661.03
Ware, 1.8 mi. W. of, 45 ft. W. of fence corner, on S. side of rd., in root of 14-in. oak tree; copper nail and washer	682.03
Ware, 2 mi. W. of, in sec. 9, T. 40 N., R. 3 E., 0.5 mi. E. of bridge over Big River at Browns Ford, 47 ft. N. and 6 ft. E. from corner of triangle at rd. forks, 57 ft. N. 60° E. of mail boxes on wheel, in concrete post; standard tablet stamped "T T 42 L 1930"	684.782
Ware, 2.5 mi. W. of, on N. side of W. abutment of bridge over Big River at Browns Ford; chiseled square	535.58
Ware, 3.3 mi. SW. of, 160 ft. SW. of dim rd. fork W., on W. side of rd., in root of 26-in. oak tree; copper nail and washer	649.28
Ware, 4 mi. SW. of, on NW. side of rd., in fence line, in root of 16-in. oak tree; copper nail and washer	722.10

5. FROM WARE NORTH TO NORTH BORDER OF QUADRANGLE

Ware, 1 mi. N. of, 165 ft. S. of mail box of C. H. Henry, on S. end of E. head wall of concrete culvert; chiseled square	539.75
Ware, 1.8 mi. N. of, on center of W. head wall of concrete culvert; chiseled square	544.89
Ware, 2.2 mi. N. of, 100 ft. S. of rd. forks, 75 ft. S. of mail boxes, on center of W. head wall of concrete culvert; chiseled square	511.97

(Continued in Pacific quadrangle; see line 18.)

6. IN SOUTHEAST PART OF QUADRANGLE INCLUDING THAT PART OF THE LINE IN BONNE TERRE QUADRANGLE

Valles Mines, 1.5 mi. SW. of, along Missouri Pacific R.R., 65 ft. W. of rd. crossing, on SW. side of rd., in root on E. side of 20-in. oak tree; copper nail and washer	861.31
Valles Mines, 2.8 mi. SW. of, along Missouri Pacific R.R., 0.9 mi. NE. of Silver Springs, in NE 1/4 sec. 18, T. 38 N., R. 5 E., 283 ft. N. of Tunnel sta., 46 ft. W. of track, at cattle guard, in fence corner, in concrete post; standard tablet stamped "T T 6 L 1930"	915.103
Reference mark, 36 ft. W. of sta., in root on E. side of 22-in. locust tree; copper nail and washer	902.89
Valles Mines, 3.8 mi. SW. of, along Missouri Pacific R.R., 80 ft. E. of rd. crossing, 36 ft. SE. of Silver Springs sta., in root on S. side of 24-in. oak tree; copper nail and washer	811.19
Silver Springs, 0.8 mi. NW. of, along old Taylor Mill rd., 60 ft. SE. (?SW.) of angle in rd. from S.-NW., 10 ft. E. of N.-S. fence line, in root on E. side of 12-in. oak tree; copper nail and washer	913.82

7. FROM POINT NEAR MIDDLE OF EAST BORDER OF QUADRANGLE NORTHWEST TO DE SOTO (leveled once by H. P. Jones and twice by L. V. Johnson in 1930)

(Continued from Crystal City quadrangle; see line 7.)

Flucom, 3.5 mi. W. and 1.3 mi. N. from, on line between secs. 5 and 8, T. 39 N., R. 5 E., 0.4 mi. W. of Armbruster School, 70 ft. NE. of rd. forks, in root on E. side of 18-in. hickory tree; copper nail and washer	778.82
De Soto, 3.2 mi. SE. of, 0.8 mi. W. of Armbruster School, 10 ft. S. of rd. forks, about 130 ft. NW. of farmhouse, in root on W. side of 18-in. oak tree; copper nail and washer	781.41
De Soto, 2.6 mi. E. of, in S 1/2 sec. 6, T. 39 N., R. 5 E., 33 ft. N. and 5 ft. E. from T-rd. S., 19 ft. N. and 1 ft. W. from T-fence N., 48 ft. N. of mail box of Roy Harding, in concrete post; standard tablet stamped "T T 7 L 1930"	777.119
Reference mark, 150 ft. W. of tablet, on N. side of rd., in root on E. side of 24-in. oak tree; copper nail and washer	780.13
De Soto, about 1.4 mi. SE. of, 120 ft. W. of rd. forks, 250 ft. SW. of farmhouse, 45 ft. W. of lane N. to farm buildings, on W. end of S. head wall of large concrete culvert; chiseled square	592.53
De Soto, at S. edge of, 10 ft. N. of T-rd. N., 80 ft. NE. of NE. corner of barn, 10 ft. SE. of telephone pole, on center of N. head wall of concrete culvert; chiseled square	538.06

8. FROM POINT 2 MILES WEST OF HILLSBORO NORTHEAST THROUGH HILLSBORO TO NORTH BORDER OF QUADRANGLE (by H. P. Jones and L. V. Johnson in 1930)

Hillsboro, 1.2 mi. W. of, along Gravois Road, 20 ft. N. of junction of rd. S., in root on E. side of twin hickory tree; copper nail and washer	833.21
Hillsboro, 0.5 mi. W. of, along Gravois Road, near abandoned rd. N., 100 ft. N. of rd., in pasture, in root on S. side of 14-in. elm tree; copper nail and washer	826.02
Hillsboro, 0.8 mi. N. of, along Festus Road, SE. of junction of rd. N., in fence line, in root on NE. side of 36-in. oak tree; copper nail and washer	824.98

Hillsboro, 1.7 mi. NE. of, along Festus Road, in NW 1/4 sec. 35, T. 41 N., R. 4 E., 350 ft. E. of dwelling, 27 ft. N. and 24 ft. W. from cross rd., 2 ft. NW. of fence corner on farm occupied by Ira Langford, in concrete post; standard tablet stamped "T T 22 L 1930"	<u>Feet</u>
Reference mark, 60 ft. E. of cross rd., on S. side of rd., in root on S. side of 28-in. oak tree; copper nail and washer	769.502
Hillsboro, 3 mi. NE. of, along Festus Road, opposite dwelling of Josef Franz, on S. side of rd., in fence line, in root on S. side of 24-in. oak tree; copper nail and washer	768.97
	758.90

(Continued in Pacific quadrangle; see line 21.)

9. FROM POINT 3.2 MILES EAST OF DE SOTO NORTH AND NORTHWEST TO POINT 1 MILE NORTH OF VICTORIA (by L. V. Johnson in 1930)

De Soto, about 3 mi. E. of, 3.3 mi. SE. of Victoria, 0.5 mi. S. of State Highway 21, in SE. corner of crossroads, in root on W. side of 24-in. oak tree; copper nail and washer	752.74
De Soto, 2.5 mi. E. of, on State Highway 21, about 2.4 mi. SE. of Victoria, 35 ft. W. of signboard of International Shoe Co., at NE. corner of junction of rd. N. to Victoria, on E. head wall of concrete culvert; chiseled square	733.22
Victoria, about 1.9 mi. S. of, on line between secs. 31 and 36, T. 40 N., Rs. 4 and 5 E., 60 ft. SE. of private rd. E. through gate, about 300 ft. SE. of farmhouse, in root on W. side of 6-in. twin oak tree; copper nail and washer	685.64
Victoria, about 0.7 mi. S. of, 50 ft. SW. of point where rd. leaves creek bottom, 30 ft. W. of creek bed, at E. edge of large ravine, in root on E. side of 30-in. maple tree; copper nail and washer	513.51

10. FROM CENTER OF QUADRANGLE SOUTH AND EAST TO EAST BORDER

Vineland, 0.7 mi. W., thence 1 mi. N. from, along Hillsboro-Vineland rd., about 850 ft. S. of junction of private rd. W. to farmhouse, 65 ft. N. of corner fence post, on bank on W. side of rd., in root on E. side of 8-in. oak tree; copper nail and washer	833.72
Vineland, 0.7 mi. W., thence 0.5 mi. N. from, along Hillsboro-Vineland rd., NW. of junction of State Highway 21, 6 ft. SW. of stop sign, on NE. end of head wall of concrete culvert; chiseled square	792.45
Vineland, 0.6 mi. W. of, along Hillsboro-Vineland rd., 400 ft. E. of junction of rd. N., on W. end of S. head wall of concrete culvert; chiseled square	748.33
Vineland, 48 ft. SW. of S. corner of Missouri Pacific R.R. sta., 9 ft. S. and 38 ft. E. from main track at rd. crossing, 4 ft. NE. of rd. crossing sign, in concrete post; standard tablet stamped "T T 11 L 1930"	693.106
Reference mark, 35 ft. NW. of tablet, on first step of large concrete block; chiseled square	695.18
Vineland, 1 mi. S. of, along Missouri Pacific R.R., on NE. corner of concrete base of semaphores; chiseled square	647.31
Vineland, 1.5 mi. S. of, along Missouri Pacific R.R., on NW. abutment of bridge over Big River; chiseled square	622.94
Vineland, 3 mi. S. along Missouri Pacific R.R., thence 0.5 mi. E. from, about 0.4 mi. SE. of private ford across Big River, at bottom of small ravine near W. edge of drain, 30 ft. E. of E. gatepost of southernmost gate of farm lot, in root on NE. side of 24-in. sycamore tree; copper nail and washer	617.98
Valles Mines, 6.1 mi. W. of, in SW. cor. sec. 33, T. 39 N., R. 4 E., at bottom near head of ravine, 33 ft. NE. of corner fence post, 7 ft. NE. of NE. gatepost, in wooden brace; copper nail and washer	737.89
Valles Mines, 5.3 mi. W. of, on line between secs. 4 and 33, Tps. 38 and 39 N., R. 4 E., on top of hill, 15 ft. N. of private rd. S. to dwelling of L. Buchenberg, in concrete post; standard tablet stamped "T T 2 L 1930"	824.042
Reference mark, 70 ft. S. and 20 ft. E. from T-rd. S., in root on NW. side of 30-in. oak tree; copper nail and washer	819.83
Valles Mines, 4.2 mi. W. of, 20 ft. S. and 120 ft. E. from De Soto and Bonne Terre Road at rd. E., in fence line, in root on N. side of 6-in. oak tree; copper nail and washer	865.85
Valles Mines, 3.5 mi. W. of, N. quarter cor. sec. 2, T. 38 N., R. 4 E., 20 ft. S. and 45 ft. E. from T-rd. S., 2 ft. S. of fence, in root on N. side of 12-in. oak tree; copper nail and washer	832.25
Valles Mines, 2.7 mi. W. of, at bottom of large ravine, on E. bank of creek near ford, 65 ft. S. of rd. forks, 6 ft. W. of row of four mail boxes, in knob on E. side of 12-in. sycamore tree; copper nail and washer	743.52
Valles Mines, 2.2 mi. W. of, in SE 1/4 SE 1/4 sec. 36, T. 39 N., R. 4 E., 29 ft. S. and 34 ft. E. from junction of rd. NW., 32 ft. E. of gate across dim rd. NE., in concrete post; standard tablet stamped "T T 1 L 1930" (This mark was reset in January 18, 1938 by W. R. Broadbuss. The previous elev. was 840.627)	840.681
Reference mark, 70 ft. N. of tablet, in root on N. side of 50-in. oak tree; copper nail and washer	839.21
Valles Mines, 1.4 mi. W. of, at bottom of ravine, 45 ft. SW. of ford across creek, about 150 ft. SW. of large barn, in root on NE. side of 40-in. oak tree; copper nail and washer	712.00
Valles Mines, 0.5 mi. W. of, on E. slope of hill overlooking Valles Mines, SE. of crossroads, in root on W. side of 18-in. oak tree; copper nail and washer	815.19

11. NEAR CENTER OF QUADRANGLE, FROM DE SOTO SOUTH 2 MILES, THENCE NORTHWEST 5.6 MILES

De Soto, 0.6 mi. S. of Missouri Pacific R.R. sta., 60 ft. W. of track at overhead crossing, 15 ft. N. and 18 ft. E. from center of bridge on State Highway 21, 1 ft. N. of N. end of E. guardrail, on concrete wing wall of bridge; chiseled square	<u>Feet</u> 506.81
De Soto, 1 mi. SW. of, along State Highway 21, 350 ft. W. of S. entrance at SW. corner of cemetery, 2 ft. E. of large, rock corner post of fence, on rock retaining wall; chiseled square	647.94
De Soto, 2 mi. SW. of, along State Highway 21, 30 ft. E. of highway at rd. W., in corner fence post, in root on N. side of 12-in. oak tree; copper nail and washer	633.00
De Soto, 2 mi. SW. along State Highway 21, thence 0.7 mi. W. from, in SW 1/4 sec. 4, T. 39 N., R. 4 E., 375 ft. W. of dwelling of Joseph Littlest, 12 ft. N. and 45 ft. E. from rd. at angle to SW., 55 ft. N. 62° W. of 20-in. oak tree at fence corner, in fence line, in concrete post; standard tablet stamped "T 9 L 1930"	734.305
Reference mark, 55 ft. SW. of tablet, in root on N. side of 30-in. oak tree; copper nail and washer	735.02
De Soto, 2 mi. SW. along State Highway 21, thence 1.5 mi. W. from, 260 ft. S. of junction of private rd. NW. to farmhouse, 10 ft. S. and 25 ft. W. from rd. corner N.-W., in fence line, in root on NE. side of 12-in. oak tree; copper nail and washer	763.92
De Soto, 2 mi. SW. along State Highway 21, thence 2.8 mi. W. from, in SE 1/4 sec. 6, T. 39 N., R. 4 E., about 0.5 mi. S. of De Soto-Frumet rd., 66 ft. N. and 20 ft. E. from junction of rd. E., in field, 1 ft. E. of fence, in concrete post; standard tablet stamped "T 10 L 1930"	886.477
Reference mark, 10 ft. S. and 33 ft. W. from rd. junction, in root on N. side of 18-in. oak tree; copper nail and washer	876.70
De Soto, 4 mi. W. of, along Richwoods Road, 60 ft. SE. of junction of rd. S., 1 ft. NE. of telephone pole, in 2- by 4-in. wooden hub driven in ground; copper nail and washer	847.30
De Soto, 3.4 mi. W. of, along Richwoods Road, 110 ft. N. of farmhouse, 75 ft. SE. of center of triangle formed by junction of rd. N., 80 ft. NE. of gasoline pump, in root on W. side of 30-in. oak tree; copper nail and washer	848.57
De Soto, 3.4 mi. W., thence 1.5 mi. N. from, in SE. corner of crossroads, 3 ft. E. of mail box, at corner fence post, in 2- by 4-in. hub driven in ground; copper nail and washer	844.89
De Soto, 3.4 mi. W., thence 2 mi. N. from, at bottom of ravine, 13 ft. E. of rd., on N. side of dim rd. E. to farmhouse, on S. end of head wall of concrete culvert; chiseled square	803.15
De Soto, 3.4 mi. W., thence 2.8 mi. N. from, near SW. corner formed by junction of Ware Road, in NE. corner of farmyard, at corner fence post, in root on SE. side of 18-in. maple tree; copper nail and washer	859.22
De Soto, 5.6 mi. NW. of, in S 1/2 sec. 19, T. 40 N., R. 4 E., 34 ft. N. and 17 ft. W. from junction of Ware Road and Hillsboro-Potosi rd., 12 ft. N. of fence corner, 1 ft. W. of fence, in concrete post; standard tablet stamped "T 26 L 1930"	804.016

12. FROM CENTER OF QUADRANGLE WEST TO WEST BORDER (by George W. Moore in 1930)

Vineland, 2 mi. N. and 1.7 mi. W. from, 20 ft. N. of rd. forks at ford across Mammoth Creek, in root on NW. side of 13-in. sycamore tree; copper nail and washer	690.68
Forks of Mammoth Creek, 60 ft. E. of rd. fork S., 40 ft. S. of rd., in root on S. side of 12-in. oak tree; copper nail and washer	626.95
Oakland, 0.4 mi. W. of, about 200 ft. E. of crossing of Mammoth Creek, on N. side of rd. at rd. fork S., in root on W. side of 22-in. oak tree; copper nail and washer	563.81
Oakland Church, 0.7 mi. W. of, in NW 1/4 sec. 11, T. 39 N., R. 3 E., 0.2 mi. NE. of rd. at crossing of Big River, 170 ft. W. of dwelling of John Harness, 65 ft. NE. of junction of rd. N. to Hillsboro, 10 ft. N. and 36 ft. E. from rd. at crossing of Parker Creek, 34 ft. E. of gate to field, on N. side of fence, in concrete post; standard tablet stamped "T 12 L 1930"	554.804
Big River; surface of water Dec. 4, 1930	541.5
Ford across Big River, 0.4 mi. SW. of, 220 ft. W. of dwelling, on N. side of rd., in fence line, in root on SE. side of 28-in. locust tree; copper nail and washer	566.10
Ford across Big River, 1.3 mi. SW. of, 70 ft. E. of rd. fork NW., 180 ft. E. of gate, in root of 8-in. oak tree; copper nail and washer	782.94
Ford across Big River, 2.3 mi. SW. of, about 50 ft. NW. of edge of swamp; on N. side of rd., in root on SW. side of 15-in. oak tree; copper nail and washer	833.22
Ford across Big River, about 2.5 mi. SW. of, 2.5 mi. NE. of Bliss, at N. edge of timber line, 20 ft. N. of rd. forks, 13 ft. N. 31° W. of rail fence corner, 13 ft. N. 55° W. of oak tree, in concrete post; standard tablet stamped "T 13 L 1930"	842.999
Ford across Big River, about 3.6 mi. W. of, 25 ft. S. of rd., on N. side of rail fence, in root on N. side of 22-in. oak tree; copper nail and washer	863.55
Ford across Big River, about 4.4 mi. W. of, near W. gatepost, in root on NE. side of 28-in. oak tree; copper nail and washer	865.36

13. SOUTH ALONG WEST BORDER OF QUADRANGLE (That part south from Bliss leveled twice)

Grubville, 5.7 mi. S. of, in NE 1/4 sec. 12, T. 40 N., R. 2 E., 20 ft. N. of rd. forks, in root on E. side of blazed 21-in. oak tree; copper nail and washer	<u>Feet</u> 693.47
Fletcher, 3.5 mi. NW. of, along rd. to Grubville and Browns Ford, in sec. 18, T. 40 N., R. 3 E., 57 ft. N. of center of triangle at rd. forks, 10 ft. N. 65° E. and 10 ft. N. 65° W. from two, blazed oak trees, in concrete post; standard tablet stamped "T T 41 L 1930"	804.475
Reference mark, 0.3 mi. NW. of, 20 ft. W. of rd. forks, in root on E. side of blazed 24-in. oak tree; copper nail and washer	766.91
Fletcher, 2.9 mi. NW. of, in SE 1/4 sec. 13, T. 40 N., R. 2 E., 340 ft. NE. of rd. fork N. to rd. NW., 50 ft. NW. of rd. fork NW., in root on SW. side of 14-in. oak tree; copper nail and washer	794.97
Fletcher, 2.3 mi. NW. of, on top of hill, 45 ft. NE. of private rd. NE., at E. edge of rd., in root on SW. side of 11-in. oak tree; copper nail and washer	810.63

(For balance in Richwoods quadrangle, see line 2.)

Fletcher, 0.5 mi. NW. of, 70 ft. S. of S. corner of garage, on N. end of W. head wall of concrete culvert used for cattle run; chiseled square	616.60
Fletcher, in sec. 31, T. 40 N., R. 3 E., 54 ft. W. of SW. corner of store and post office, 110 ft. N. 52° 50' W. of rd. forks, 27 ft. N. of rd., 7 ft. NE. of fence corner, in concrete post; standard tablet stamped "T T 40 L 1930"	572.191
Reference mark, 55 ft. SE. of tablet, on concrete platform of gasoline pump; chiseled square	570.08
Fletcher, 0.6 mi. SW. of, 370 ft. SW. of rd. forks, 170 ft. W. of rd. in Calico Creek, 45 ft. S. of rd. at turn to W., in fence line, in root on SW. side of 24-in. oak tree; copper nail and washer	589.40

(For balance in Richwoods quadrangle, see line 2.)

Bliss, 0.6 mi. NW. of, 80 ft. N. and 140 ft. E. from crossroads, 120 ft. W. of Mineral Fork, 80 ft. N. and 65 ft. E. from SE. corner of wooden trestle of steel bridge, in root on S. side of 42-in. sycamore tree; copper nail and washer	594.74
Bliss, 56 ft. N. and 42 ft. E. from NE. corner of store of W. P. McClay, 46 ft. N. and 26 ft. W. from rd. fork W., in corner of rail fence, in concrete post; standard tablet stamped "T T 15 L 1930"	642.540
Reference mark, 60 ft. S. 20° W. of tablet, on top of retaining wall; chiseled square	643.20
Bliss, 0.8 mi. E. of, 150 ft. W. of Old Mines Creek, 120 ft. NW. of crossroads, opposite rd. forks, 70 ft. N. and 20 ft. W. from T-rd. N., 50 ft. N. of fence corner, 50 ft. S. of gate across rd. to N., in root on NE. side of 18-in. elm tree; copper nail and washer	583.62
Bliss, about 1.3 mi. SE. of, along State Highway 21, 100 ft. NE. of cross rd., on top of E. end of S. head wall of concrete culvert; chiseled square	603.24
Bliss, about 2.4 mi. S. of, along State Highway 21, on top of S. end of W. head wall of first concrete culvert S. of Cruise School; chiseled square	632.78
Bliss, about 2.9 mi. S. of, along State Highway 21, 50 ft. SW. of highway at rd. SE., on top of S. parapet wall of E. abutment of large bridge over Old Mines Creek; chiseled square	651.65

(Continued in Richwoods quadrangle; see line 2.)

14. FROM OLD MINES EAST ALONG SOUTH BORDER OF QUADRANGLE, INCLUDING THAT PART OF THE LINE IN BONNE TERRE QUADRANGLE (leveled twice)

Old Mines, 0.7 mi. SE. of, 100 ft. W. of curve in rd. at junction of private rd.; 32 ft. S. of rd. at N. gatepost, in root on W. side of 24-in. locust tree; copper nail and washer	862.22
Old Mines, 1.2 mi. SE. of, 55 ft. SE. of rd. forks, 27 ft. S. of rd., 20 ft. E. of rd. to dwelling of W. Burnett, in root on N. side of 10-in. oak tree; copper nail and washer	984.18
Old Mines, 2 mi. SE. of, at Happy Hollow, on top of W. wing wall of S. abutment of concrete bridge; chiseled square	876.45
Old Mines, 2.8 mi. SE. of, 930 ft. E. of National Pigment Co. spur track at rd. crossing, 65 ft. W. of T-rd. S., on top of N. head wall of concrete culvert; chiseled square	874.58
Cadet, 1.1 mi. W. of, 21 ft. N. and 93 ft. E. from crossroads, 20 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 19 L 1930"	914.375
Cadet, 0.4 mi. W. of, 370 ft. E. of T-rd. N., on top of N. head wall of concrete culvert; chiseled square	861.70
Cadet, 115 ft. W. of semaphore at Missouri Pacific R.R. sta., 45 ft. W. of rd. crossing, on top of N. head wall of concrete culvert; chiseled square	803.56
Cadet, 0.9 mi. SE. of, at junction of Bonne Terre, Cadet, and old Selmo rds., 23 ft. S. and 95 ft. E. from junction of rd. SE., in root on N. side of 12-in. oak tree; copper nail and washer	875.68
Cadet, 1.8 mi. E. of, on old Selmo rd., 90 ft. S. of ford across Mill Creek, at E. edge of rd., in root on SW. side of 36-in. maple tree; copper nail and washer	692.61

Cadet, 2.5 mi. E. of, on old Selmo rd., 0.6 mi. E. of crossing of Mill Creek, 8 ft. S. and 62 ft. E. from center of triangle at rd. fork N., 10 ft. N. of rd. E., 14 ft. E. of angle in rail fence, in concrete post; standard tablet stamped "T T 20 L 1930"	Feet 852.887
Reference mark, 50 ft. NW. of tablet, 6 ft. E. of rail fence, in root on NE. side of 10-in. oak tree; copper nail and washer	849.85
Cadet, 3.3 mi. E. of, about 1.6 mi. SW. of float bridge over Big River, 105 ft. E. of T-rd. NE., 70 ft. E. of fence corner, at N. edge of rd., in fence line, in root on NW. side of 16-in. oak tree; copper nail and washer	797.19
Float bridge over Big River, about 0.6 mi. SW. of, 170 ft. E. of large, wooden gate across rd., 12 ft. N. of rd., in root on S. side of 8-in. oak tree; copper nail and washer	771.59
Float bridge over Big River, 500 ft. NW. of, 60 ft. N. of N. bank at break in slope, 65 ft. NE. of large, wooden gate, at E. edge of rd., in root on N. side of 18-in. elm tree; copper nail and washer	601.15
Float bridge over Big River, 1.1 mi. NE. of, 185 ft. E. of log dwelling on farm of Tom Nash, near S. edge of pond, on N. edge of rd., in root on S. side of 24-in. oak tree; copper nail and washer	829.47
Silver Springs, 4.7 mi. W. of, along old Taylor Mill rd., 3.4 mi. SE. of Blackwell, in NW 1/4 SW 1/4 sec. 16, T. 38 N., R. 4 E., 56 ft. S. of junction of rd. N., 35 ft. SW. of gate to Smith's Den, on S. side of rail fence, in concrete post; standard tablet stamped "T T 4 L 1930"	861.027
Reference mark, 40 ft. NE. of tablet, in root on N. side of 11-in. sycamore tree; copper nail and washer	862.90
Silver Springs, 3.9 mi. W. of, along old Taylor Mill rd., 30 ft. E. of farmhouse, 50 ft. S. of rd., in yard, in root on NE. side of 24-in. oak tree; copper nail and washer	882.57
Silver Springs, 3 mi. W. of, along old Taylor Mill rd., SW. of cross rd., on E. end of S. head wall of concrete culvert; chiseled square	862.33
Silver Springs, 2.4 mi. W. of, along old Taylor Mill rd., NW. of T-rd. NE., 12 ft. W. of W. gatepost of gate across rd. NE., in root on SW. side of 14-in. hickory tree; copper nail and washer	823.34
Silver Springs, 1.7 mi. W. of, along old Taylor Mill rd., on line between secs. 11 and 14, T. 38 N., R. 4 E., at foot of hill, 18 ft. S. and 1 ft. W. from junction of dim rd. SE., 15 ft. W. of gate to field, 2 ft. S. of fence, in concrete post; standard tablet stamped "T T 5 L 1930"	903.553
Reference mark, 30 ft. NE. of dim rd. fork SE., in root on S. side of 9-in. hickory tree; copper nail and washer	906.63

15. NEAR SOUTH CENTER OF QUADRANGLE, FROM POINT 2.8 MILES SOUTH OF VINELAND SOUTH AND SOUTHEAST TO POINT 3.4 MILES SOUTHEAST OF BLACKWELL (leveled twice)

Vineland, 2.8 mi. S. of, along Missouri Pacific R.R., about 0.2 mi. N. of semaphore, 150 ft. S. of private rd. crossing, about 150 ft. E. of farmhouse, on W. side of track, on top of concrete milepost; chiseled square	596.58
Blackwell, 226 ft. N. of semaphore at window of Missouri Pacific R.R. sta., 46 ft. S. and 29 ft. W. from rd. crossing, on S. side of cattle guard, 13 ft. W. of track, 8 ft. S. and 2 ft. E. from fence corner, at N. end of sta. platform, in concrete post; standard tablet stamped "T T 3 L 1930"	591.492
Reference mark, across Big River from sta., 130 ft. S. of rd. forks, on N. end of W. head wall of concrete culvert; chiseled square	592.25
Concrete culvert, on center of W. head wall; painted square	592.58
Blackwell, 1.1 mi. SE. of, at curve in rd. from W.-SE., on N. end of E. head wall of concrete culvert; chiseled square	611.20
Blackwell, 1.8 mi. SE. of, 100 ft. NW. of T-rd. NE., on S. end of W. head wall of concrete culvert; chiseled square	657.40
Blackwell, 2.6 mi. SE. of, 69 ft. NW. of rd. fork N., in root on W. side of triangular-blazed 20-in. oak tree; copper nail and washer	807.67

16. FROM BLACKWELL NORTHWEST TO POINT 1 MILE SOUTHEAST OF BLISS

Blackwell, 0.7 mi. W. of, on N. edge of stream, 25 ft. SW. of rd., in root on NE. side of 18-in. sycamore tree; copper nail and washer	642.57
Blackwell, 1.7 mi. NW. of, 3 mi. SE. of Fertile, 6 ft. S. and 44 ft. W. from crossroads, 16 ft. SW. of fence corner, in concrete post; standard tablet stamped "T T 16 L 1930"	795.472
Reference mark, 64 ft. E. of tablet, on S. end of E. head wall of concrete culvert; chiseled square	793.95
Blackwell, 2.7 mi. NW. of, 360 ft. S. of ford across creek at rd. corner from W.-S., 25 ft. N. of rd. forks, 30 ft. SE. of stone springhouse, in root on W. side of 40-in. oak tree; copper nail and washer	659.56
Fertile, 0.8 mi. SE. of, 3.7 mi. NW. of Blackwell, about 300 ft. E. of rd. corner from NW.-E., 20 ft. S. of rd., in root on NW. side of leaning 16-in. fir tree; copper nail and washer	738.18
Fertile, 0.4 mi. SE. of, at S. edge of rd., in top of stump; copper nail and washer	807.83
Fertile, 0.7 mi. NW. of, about 700 ft. E. of rd. fork NE., 30 ft. S. of rd. fork SE., in root on NW. side of 23-in. oak tree; copper nail and washer	865.06
Fertile, 1.8 mi. NW. of, about 500 ft. NW. of ford across creek, 225 ft. SE. of abandoned mill, on SW. bank of creek, near NE. edge of rd., in root on SW. side of 34-in. elm tree (6 ft. from trunk); copper nail and washer	636.72

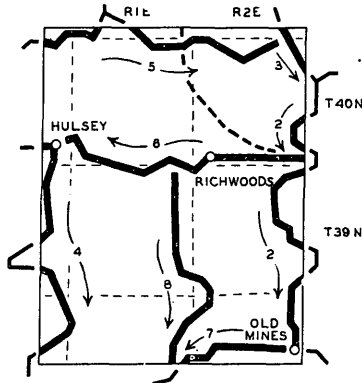
Fertile, 2.6 mi. NW. of, 230 ft. SE. of State Highway 21, 45 ft. S. of rd. forks to highway, at W. edge of rd., in root on SW. side of 24-in. oak tree; copper nail and washer

Feet
697.82

For additional level lines along Missouri Pacific R.R. and County Route NH, refer to United States Coast and Geodetic Survey second-order lines, Riverside to Williamsville and St. Clair to De Soto.

RICHWOODS QUADRANGLE
(Latitude 38°00'-38°15'; longitude 90°45'-91°00')

Franklin, Jefferson, and Washington Counties



1. ISOLATED BENCHMARKS (not shown on diagram) (by A. F. Montmorency and C. H. Dana in 1896. Elevations are doubtful because of an excessive closure.)

Richwoods, 2 mi. S. of, on Old Mines-Richwoods rd., at cross rd.; iron post stamped "851"	852.997
Richwoods, S. corner of crossroads, in root of walnut tree; nail	823.47
T. 41 N., R. 2 E., in SE 1/4 sec. 32, at rd. forks, in root of tree; nail	803.10
T. 40 N., R. 1 E., in NW 1/4 sec. 23, on W. bank of Little Indian Creek, 150 ft. W. of Richwoods rd., 225 ft. E. of Flannigan dwelling, in rock ledge; copper bolt stamped "637"	637.719
Hulsey, in SW 1/4 sec. 36, T. 40 N., R. 1 W., 80 ft. E. of post office, in rock; copper bolt stamped "631"	632.543
T. 38 N., R. 1 W., in SW 1/4 NW 1/4 sec. 1, 40 ft. S. of dwelling of J. W. Boyd, in rock; copper bolt stamped "830"	831.313
Troutt, in NE 1/4 sec. 35, T. 39 N., R. 1 E., NE. of post office, at rd. forks, in rock; copper bolt stamped "1079"	1,081.872
T. 38 N., R. 1 E., in SW 1/4 NE 1/4 sec. 13, 500 ft. NE. of log dwelling, 16 ft. S. of SE. corner of springhouse, 4 ft. S. and 4 ft. W. from 30-in. elm tree at fence corner; iron post stamped "709"	710.245
Old Mines, at gate to Catholic Church, in N. end of bottom step; copper bolt stamped "820"	819.102

2. SOUTH ALONG EAST BORDER OF QUADRANGLE (by George W. Moore in 1930. That portion from Bliss south leveled twice)
(Continued from De Soto quadrangle; see line 13.)

Fletcher, about 1.4 mi. NW. of, 475 ft. SE. of rd. forks, on top of W. end of N. head wall of concrete culvert; chiseled square	736.82
(For balance in De Soto quadrangle, see line 13.)	
Fletcher, 1.6 mi. SW. of, 100 ft. SW. of junction of creeks, 50 ft. S. of fence corner, on S. edge of rd. at curve, in root on NW. side of 13-in. walnut tree; copper nail and washer	633.05
Fletcher, 2.4 mi. SW. of, about 300 ft. W. of ford across Calico Creek, 50 ft. E. of gate, on N. edge of rd. fork W., in root on S. side of twin sycamore tree; copper nail and washer	678.36
Fletcher, 3.4 mi. SW. of, 470 ft. N. of gates to Kingston Claim, 30 ft. E. of rd., 55 ft. S. of wagon shed on farm of P. Windner, in root on SW. side of 24-in. oak tree; copper nail and washer	848.68
Bliss, 3 mi. NW. of, 200 ft. S. of angle in rd. to Richwoods, 21 ft. N. and 22 ft. E. from rd. fork E. through gate, 14 ft. N. of gate, 1 ft. E. of fence, in concrete post; standard tablet stamped "T 14 L 1930"	874.310
Reference mark, 0.4 mi. E. of tablet, 150 ft. N. of rd., in field, in root on SE. side of lone 23-in. apple tree; copper nail and washer	871.73

Bliss, 2 mi. NW. of, 30 ft. S. and 45 ft. W. from T-rd. W., in root on SE. side of forked elm tree; copper nail and washer	Feet 807.32
Bliss, 1.2 mi. NW. of, in center of tiff-mining field, 220 ft. N. of junction of private rd. W., on W. edge of rd., in root on NE. side of twin elm tree; copper nail and washer	760.50

(For balance in De Soto quadrangle, see line 13.)

Racola, 1.4 mi. N. of, along State Highway 21, at store of John L. Boyer, 8 ft. N. and 50 ft. W. from highway at rd. W., 45 ft. S. and 55 ft. W. from highway at rd. NW., 30 ft. S. and 52 ft. W. from concrete culvert, 40 ft. S. 30° W. of fence corner, in concrete post; standard tablet stamped "T T 17 L 1930"	689.241
Reference mark, 10 ft. N. and 55 ft. E. from tablet, on top of W. end of N. head wall of concrete culvert; chiseled square	684.71
Old Mines, 2.4 mi. N. of post office, along State Highway 21, N. of highway at cross rd., on top of W. parapet wall of S. abutment of concrete bridge; chiseled square	711.29
Old Mines, 1.6 mi. N. of post office, 180 ft. SW. of SW. corner of dance hall known as Matt's Place, on top of N. end of W. head wall of concrete culvert; chiseled square	731.15
Old Mines, 40 ft. S. and 55 ft. E. from SE. corner of Baptist Church, 60 ft. W. of State Highway 21, in SE. corner of churchyard, in root on SE. side of 18-in. locust tree; copper nail and washer	825.03
Old Mines, on W. side of Old Mines Creek, 100 ft. S. 48° 30' W. of SW. corner of store of G. S. Wallace, 7 ft. E. of NW. corner of fence around Wallace dwelling, on N. side of fence, in concrete post; standard tablet stamped "T T 18 L 1930"	797.312

3. IN NORTHEAST CORNER OF QUADRANGLE (by George W. Moore in 1931)
(Continued from St. Clair quadrangle; see line 4.)

Grubville, about 3 mi. S. of, 25 ft. N. and 12 ft. E. from junction of private rd. SW., at large gate, in root on W. side of 27-in. oak tree; copper nail and washer	625.23
Grubville, 3.9 mi. SE. of, along rd. to Fletcher, on line between secs. 1 and 36, Tps. 40 and 41 N., R. 2 E., 18 ft. S. and 59 ft. W. from rd. fork E., 14 ft. W. of oak tree in fence corner, in concrete post; standard tablet stamped "T T 14 L 1930"	642.831
Grubville, 4.6 mi. S. of, about 0.2 mi. NW. of ford, about 350 ft. E. of dwelling on hill, at W. edge of rd. forks, in root on E. side of twin sycamore tree supporting mail boxes; copper nail and washer	530.78

4. SOUTH ALONG WEST BORDER OF QUADRANGLE (by Cornish Beck in 1934)
(Continued from Sullivan No. 4 quadrangle; see line 5.)

T. 40 N., R. 1 W., in NE 1/4 sec. 35, 12 mi. SE. of Sullivan, 16 ft. N. of rd., 31 ft. W. of SW. corner of barn on property of Stroys Straup, 6 ft. N. of E.-W. fence, in concrete post; standard tablet stamped "909 C W A 1934"	640.995
New Hope Church, on NE. corner of bottom concrete step; chiseled square	642.10
Baker School, in S 1/2 sec. 1, T. 39 N., R. 1 W., 100 ft. E. of schoolhouse, in root on E. side of 38-in. water-oak tree; copper nail and washer	667.87
Algire, 100 ft. E. of abandoned post office, 30 ft. N. of rd., in root on E. side of 28-in. locust tree; copper nail and washer	693.48
T. 39 N., R. 1 W., in NE 1/4 sec. 11, 20 ft. N. and 26 ft. E. from rd. fork NE., in concrete post; standard tablet stamped "910 C W A 1934"	884.561
Algire, about 1.4 mi. E. of, near rd. fork S., in root on NE. side of 20-in. water-oak tree; copper nail and washer	939.68
T. 39 N., R. 1 W., in SW 1/4 sec. 13, 40 ft. E. of rd. fork SW., 28 ft. S. of rd. fork SE., in concrete post; standard tablet stamped "911 C W A 1934"	970.476

(For balance in Sullivan No. 4 quadrangle, see line 5.)

T. 39 N., R. 1 W., in SW 1/4 sec. 25, 34 ft. S. of Potosi-Sullivan rd., 6 ft. S. of SE. corner of barn lot, near two-story dwelling on land owned by Potosi Abstract Co., in concrete post; standard tablet stamped "924 C W A 1934"	821.480
Gulf pipe line, in base on SE. side of pole 315.50; nail	800.25
Indian Creek, 45 ft. W. of, about 700 ft. E. of Riggs dwelling, 30 ft. W. of rd., in root on E. side of 38-in. water-oak tree; copper nail and washer	819.91
Page School, in S 1/2 sec. 12, T. 38 N., R. 1 W., 90 ft. S. and 20 ft. W. from SE. corner of schoolhouse, in concrete post; standard tablet stamped "925 C W A 1934"	864.107
Page School, 1.4 mi. SW. of, on Undine rd., along creek, about 350 ft. N. of Eaton dwelling, 40 ft. W. of dim cross rd., in root on NW. side of 30-in. white-oak tree; copper nail and washer	932.16

(Continued in Sullivan No. 4 quadrangle; see line 5.)

5. EAST ALONG NORTH BORDER OF QUADRANGLE (by C. P. Thompson in 1935)

(Continued from Sullivan No. 4 quadrangle; see line 14.)

	<u>Feet</u>
T. 41 N., R. 1 W., S. sixteenth cor. between secs. 35 and 36, 27 ft. W. of rd., 20 ft. E. of fence corner, in root on S. side of 20-in. oak tree; copper nail and washer	821.39
(For balance in St. Clair quadrangle, see line 9.)	
Indian Creek Baptist Church, about 200 ft. SW. of, in SE 1/4 sec. 31, T. 41 N., R. 1 E., 75 ft. S. and 20 ft. W. from T-rd. S., 1 ft. W. of fence, in concrete post; standard tablet stamped "1701 E R A 1935"	591.764
T. 41 N., R. 1 E., near S. sixteenth cor. sec. 32, W. of farmhouse of C. W. Thrumand, in triangle formed by T-rd. W., in root on W. side of 22-in. hickory tree; copper nail and washer	550.97
T. 41 N., R. 1 E., in SE 1/4 sec. 34, 2 ft. N. and 14.5 ft. E. (14.5 ft. by levelman) from NE. corner of dwelling of G. Derker, 28 ft. S. of rd., 6 ft. S. and 24 ft. W. from gatepost, in concrete post; standard tablet stamped "1702 E R A 1935"	819.470
Huff's store, near S. sixteenth cor. sec. 35, T. 41 N., R. 1 E., 10 ft. N. and 15 ft. E. from crossroads, on N. end of concrete culvert; chiseled square	794.52
Hensley's store, about 100 ft. E. of stone at center of SW 1/4 sec. 36, T. 41 N., R. 1 E., 24 ft. N. and 36 ft. E. from County Route B at cross rd., on SE. corner of concrete base of gasoline pumps; chiseled square	808.42
T. 41 N., Rs. 1 and 2 E., at S. sixteenth cor. between secs. 31 and 36, 15 ft. S. of rd., 2 ft. N. of fence corner; top of iron shaft	730.54
T. 41 N., R. 2 E., 218 ft. S. and 2 ft. E. from stone at S. sixteenth cor. sec. 31, 30 ft. S. of rd., in NE. corner of yard of J. M. Mester, 1 ft. W. of fence, in concrete post; standard tablet stamped "1703 E R A 1935"	734.189
T. 40 N., R. 2 E., 550 ft. W. of N. quarter cor. sec. 5, 15 ft. S. and 7 ft. E. from junction of private rd. S., at gatepost, in root on N. side of 16-in. oak tree; copper nail and washer	747.35
T. 40 N., R. 2 E., 49 ft. E. of stone at NW. cor. sec. 4, at NE. corner of yard of E. N. Hedges, 20 ft. N. of junction of private rd. E., 11 ft. S. of rd. W., on W. end of concrete culvert; chiseled square	802.08
Maupin, 2 mi. SW. of, 45 ft. S. and 350 ft. W. from stone at W. sixteenth cor. between secs. 4 and 9, T. 40 N., R. 2 E., 10 ft. S. and 10 ft. E. from rd. forks, in concrete post; standard tablet stamped "1704 E R A 1935"	856.987
T. 40 N., R. 2 E., about 230 ft. S. and 100 ft. W. from stone at quarter cor. between secs. 3 and 4, on N. end of concrete culvert; chiseled square	680.85
Maupin, in NE 1/4 NE 1/4 sec. 3, T. 40 N., R. 2 E., about 600 ft. S. of store, on NE. corner of concrete bridge over Maupin Creek; chiseled square	601.32
T. 41 N., R. 2 E., near center sec. 36, at bottom of hill, about 600 ft. S. of Maupin Creek, on center of E. head wall of concrete culvert; chiseled square	542.66

6. WEST THROUGH CENTER OF QUADRANGLE

Fletcher, 1.1 mi. W. of, along County Route H, 15 ft. S. and 8 ft. E. from highway at entrance to field, 15 ft. E. of fence, on E. end of galvanized iron pipe culvert; (mark not described)	790.34
Fletcher, 2.3 mi. W. of, along County Route H, about 300 ft. SE. of Turkey Creek School, on W. end of S. head wall of concrete culvert over Turkey Creek; chiseled square	706.66
Richwoods, 3 mi. E. of, along County Route H, 30 ft. S. of highway, 5 ft. S. and 40 ft. E. from highway in line with picket fence on E. side of garden on farm of C. P. Delore, 2 ft. N. of right-of-way fence, in concrete post; standard tablet stamped "1705 E R A 1935"	821.029
U.S.C. & G.S. standard disk stamped "S 130 1935"	845.681
U.S.C. & G.S. standard disk stamped "T 130 1935"	876.566
Richwoods, 0.3 mi. E. of post office, 64 ft. S. and 5 ft. W. from center of bridge over creek, 1 ft. N. and 11 ft. W. from fence corner, in concrete post; standard tablet stamped "1706 E R A 1935 769"	769.902
Richwoods, 0.3 mi. W. of, in SE 1/4 sec. 31, T. 40 N., R. 2 E., 60 ft. S. and 50 ft. E. from crossroads, on N. end of W. concrete abutment of wooden bridge over creek; chiseled square	720.86
Richwoods, 1.4 mi. W. of, 6 ft. N. and 160 ft. E. from approximate SW. cor. sec. 31, T. 40 N., R. 2 E., at W. end of triangle formed by rd. fork S., about 200 ft. S. and 250 ft. W. from dwelling of Albert Cordie, in root on SW. side of 24-in. witness-oak tree; copper nail and washer	753.99
Richwoods, 2.6 mi. W. of, near SE. cor. sec. 35, T. 40 N., R. 1 E., at top of hill, 12 ft. S. of rd., in root on SW. side of 12-in. oak tree; copper nail and washer	916.65
Richwoods, 3 mi. W. of, in SE 1/4 sec. 35, T. 40 N., R. 1 E., 10 ft. N. and 30 ft. W. from junction of dim rd. N., 16 ft. W. of triangular-blazed 22-in. white-oak tree, in concrete post; standard tablet stamped "1707 E R A 1935 961"	961.843
Richwoods, 3.7 mi. W. of, in NW 1/4 sec. 2, T. 39 N., R. 1 E., 12 ft. N. of rd. forks, in root on E. side of blazed 20-in. white-oak tree; copper nail and washer	1,026.27
Richwoods, 4.7 mi. W. of, in NW 1/4 sec. 3, T. 39 N., R. 1 E., 10 ft. N. and 20 ft. E. from rd. fork S., in root on W. side of 12-in. black-gum tree; copper nail and washer	841.13

T. 40 N., R. 1 E., in SW 1/4 sec. 33, 40 ft. N. of Richwoods-Sullivan rd. at rd. S. to Potosi, 22 ft. N. and 88 ft. E. from SE. corner of dwelling of Albert Glorod, in concrete post; standard tablet stamped "1708 E R A 1935"	Feet 748.394
T. 40 N., R. 1 E., near center sec. 32, 105 ft. E. of rd. fork N. to Cyclone, 12 ft. N. and 20 ft. W. from ford across Dry Branch, in root on S. side of 20-in. elm tree; copper nail and washer	696.95
T. 40 N., R. 1 E., in NE 1/4 NE 1/4 sec. 31, 75 ft. W. of ford across Dry Branch, 30 ft. S. of rd., in root on E. side of 20-in. chinquapin tree; copper nail and washer	664.09
Hulsey School, 1 mi. N. and 1 mi. E. from, in SE 1/4 SW 1/4 sec. 19, T. 40 N., R. 1 E., about 0.5 mi. SE. of dwelling of N. A. Strauss, 95 ft. E. of triangular-blazed 24-in. oak tree on E. bank of Dry Branch, 47 ft. E. of rd., 24 ft. N. and 12 ft. W. from triangular-blazed 40-in. linden tree, at N. end of cultivated field, in concrete post; standard tablet stamped "1709 E R A 1935 624"	624.917
Hulsey School, 1 mi. N. of, near center sec. 24, T. 40 N., R. 1 W., about 100 ft. E. of ford across Dry Branch, 15 ft. N. of rd., in root on N. side of 18-in. walnut tree; copper nail and washer	596.59
Hulsey School, in NE 1/4 SW 1/4 sec. 24, T. 40 N., R. 1 W., 78 ft. E. of schoolhouse door, 15 ft. E. of rd., 5 ft. W. of rail fence, in concrete post; standard tablet stamped "922 C W A 1934"	614.077

7. WEST ALONG EAST HALF OF SOUTH BORDER OF QUADRANGLE, INCLUDING THAT PART OF THE LINE IN POTOSI QUADRANGLE

Old Mines, 1.1 mi. SW. of post office, along Latty-Old Mines rd., 18 ft. S. of rd., on large sandstone boulder; chiseled square	934.92
Old Mines, 1.8 mi. SW. of post office, along Latty-Old Mines rd., near center of NE 1/4 sec. 23, T. 38 N., R. 2 E., 15 ft. S. of rd. fork NE., in root on NW. side of blazed 14-in. black-jack-oak tree; copper nail and washer	1,030.05
Old Mines, 3.4 mi. W. of, on Old Mines-Steelville rd., about 600 ft. S. of quarter cor. between secs. 15 and 22, T. 38 N., R. 2 E., on top of divide between forks of Arnolds Branch, 20 ft. N. and 17 ft. W. from crossroads, in concrete post; standard tablet stamped "1710 E R A 1935 979"	979.186
T. 38 N., R. 2 E., near center of SE 1/4 sec. 20, 15 ft. W. of junction of rd. E., in root on E. side of 20-in. oak tree; copper nail and washer	899.79
Potosi, 7 mi. NW. of, near quarter cor. between secs. 29 and 30, T. 38 N., R. 2 E., 450 ft. NW. of Pleasant Hill Christian Church, 65 ft. W. of crossroads, 2 ft. N. and 10 ft. W. from 20-in. oak tree at fence corner, in concrete post; standard tablet stamped "T T 1711 E R A 1935 815"	815.378
Pleasant Hill Church, 1 mi. W. of, near W. quarter cor. sec. 30, T. 38 N., R. 1 E., 20 ft. S. and 15 ft. E. from rd. corner E.-S., in root on SW. side of 20-in. maple tree; copper nail and washer	854.00
T. 38 N., R. 1 E., near center of N 1/2 sec. 36, on top of ridge, 15 ft. S. and 18 ft. E. from crossroads, in root on W. side of 26-in. black-oak tree; copper nail and washer	1,027.63
Latty, about 0.5 mi. SE. of old location, near center of E 1/2 sec. 35, T. 38 N., R. 1 E., 95 ft. E. of Little Fourche a Renault Creek and N.-S. rd., 44 ft. S. of rd., 8 ft. E. of gate to yard of William Atkins, in concrete post; standard tablet stamped "T T 1712 E R A 1935 810"	810.334
T. 38 N., R. 1 E., near center of NE 1/4 sec. 34, about 300 ft. N. of farmhouse of Andy Bean, 18 ft. S. of rd., in root on N. side of 26-in. oak tree; copper nail and washer	788.41

8. FROM CENTER OF QUADRANGLE SOUTH TO SOUTH BORDER, INCLUDING THAT PART OF THE LINE IN POTOSI QUADRANGLE (by A. R. Friend in 1937)

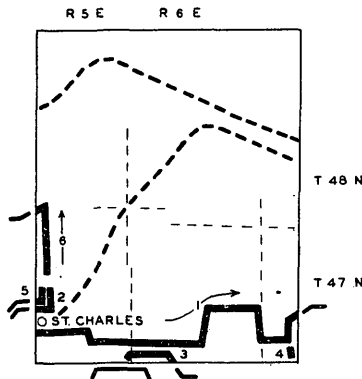
Rd. fork W., 30 ft. S. and 20 ft. E. from, in root on S. side of 12-in. post-oak tree; crossed nails	1,038.51
Richwoods, 6.2 mi. W. of, in SW 1/4 sec. 11, T. 39 N., R. 1 E., 60 ft. N. and 10 ft. E. from rd. fork E., 35 ft. E. of rd., in concrete post; standard tablet stamped "T T 30 J J 1936"	1,099.545
Richwoods, 6.8 mi. SW. of, 70 ft. N. of junction of new highway and Bearwallow Ridge rd., in root on NW. side of 16-in. post-oak tree; copper nail and washer	1,125.84
T. 39 N., R. 1 E., about 0.2 mi. W. of cor. secs. 13, 14, 23, and 24, on E. side of Bearwallow Ridge rd., in root on W. side of 12-in. black-oak tree; copper nail and washer	1,113.69
Richwoods, 9.2 mi. S. and W. from, on Bearwallow Farm, 45 ft. S. and 105 ft. E. from pile of sandstone at cor. secs. 23, 24, 25, and 26, T. 39 N., R. 1 E., 22 ft. E. of rd., 45 ft. S. and 2 ft. E. from NW. corner of rail and wire fence, in concrete post; standard tablet stamped "T T 31 J J 1936"	1,134.677
T. 39 N., R. 1 E., in SE 1/4 sec. 25, on Bearwallow Ridge rd., about 1.4 mi. NW. of junction of Aptus-Richwoods rd., on S. side of rd., in root on S. side of 16-in. white-oak tree; copper nail and washer	1,018.95
T. 39 N., R. 2 E., in SE 1/4 sec. 30, 20 ft. S. and 30 ft. E. from junction of Bearwallow Ridge and Aptus-Richwoods rds., in root on S. side of 16-in. water-oak tree; copper nail and washer	1,002.32
Aptus, 1.7 mi. N. of old post office, along Aptus-Richwoods rd., in NW 1/4 sec. 32, T. 39 N., R. 2 E., 0.4 mi. S. of junction of Bearwallow Ridge rd., 75 ft. S. of hilltop, 10 ft. E. of rd., 20 ft. N. and 7 ft. W. from painted 12-in. post-oak tree, in limestone ledge; standard tablet stamped "T T 32 J J 1936"	909.434

	<u>Feet</u>
Aptus, about 0.8 mi. N. of, at top of hill, on E. side of rd., at S. end of gate, in W. side of 8-in. hickory tree; copper nail and washer	762.46
Bottom of long hill, on E. side of rd., on rock ledge; chiseled square	670.49
Aptus, at site of old post office, cor. secs. 5, 6, 7, and 8, T. 38 N., R. 2 E., 30 ft. S. and 20 ft. E. from rd. fork S. to Potosi, in root on E. side of 24-in. walnut tree; copper nail and washer	683.47
Aptus, about 0.5 mi. W. of, 40 ft. W. of rd. forks, in fence line, in root on E. side of 18-in. twin black-oak tree; copper nail and washer	681.70
Rd. fork S., 100 ft. W. of, in root on E. side of 18-in. white-oak tree; crossed nails	777.31
Aptus, 1.4 mi. S. and W. from old post office, along Aptus-Latty rd., in SE 1/4 NE 1/4 sec. 12, T. 38 N., R. 1 E., 85 ft. N. and 25 ft. E. from T-rd. N., 30 ft. N. and 10 ft. E. from rail fence corner, in limestone ledge; standard tablet stamped "T T 33 J J 1936"	762.423
Latty, 2.4 mi. N. of old site of post office, along Aptus-Latty rd., in NE 1/4 NW 1/4 sec. 24, T. 38 N., R. 1 E., 500 ft. S. of T-rd. N. at church, 140 ft. S. and 155 ft. E. from T-rd. S., 15 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 34 J J 1936"	716.828
Latty, about 1.3 mi. N. of, 40 ft. S. and 40 ft. W. from ford across Little Fourche a Renault Creek, in root on N. side of 36-in. sycamore tree; copper nail and washer	730.92
Latty, at site of old post office, 150 ft. W. of Little Fourche a Renault Creek, 10 ft. E. of rd., in root of 10-in. walnut tree in fence line; copper nail and washer	794.25

For an additional level line along County Routes B and H, refer to United States Coast and Geodetic Survey second-order line, St. Clair to De Soto.

ST. CHARLES QUADRANGLE*
(Latitude 38°45'-39°00'; longitude 90°15'-90°30')

St. Charles and St. Louis Counties



1. FROM ST. CHARLES EAST THROUGH SOUTH PART OF QUADRANGLE TO EAST BORDER (by W. R. Broadus in 1923)

U.S.C.E. B.M. designated "18"	
Copper bolt	435.104
Top of cap	439.146
St. Charles, 1.5 mi. E. of, 1.2 mi. NW. of Bonfils, at SE. corner of crossroads, in root on N. side of white-oak tree; iron nail and washer	442.44
St. Charles Bridge, 2.2 mi. below, 98 ft. N. of dwelling of George Cleberg, 98 ft. S. of rd., on E. side of private driveway, 5 ft. S. of 10-in. maple tree, U.S.C.E. B.M. designated "17"	
Copper bolt	437.256
Top of cap	441.315
Reference mark, 74 ft. N. of post, in root of 30-in. maple tree; iron nail and washer	437.63
St. Charles, 3 mi. E. of, 3 mi. NW. of Robertson, about 0.4 mi. NW. of bridge over Cowmire Creek, at NW. corner of Halbruegge's front yard, in root of 20-in. maple tree; iron nail and washer	440.19
Robertson, 2.2 mi. NW. of, about 0.4 mi. SE. of bridge over Cowmire Creek, about 600 ft. NW. of curve in rd. from NW.-E., on E. side of rd., in S. corner of timbered tract, in root of 36-in. elm tree; iron nail and washer	451.54

*Part of this quadrangle lies in Illinois.

Robertson, 2 mi. NW. of, along Wabash Ry., on N. side of track, on NW. corner of concrete cover for viaduct 53-B; chiseled square	Feet 525.23
Robertson, opposite semaphore at Wabash Ry. sta.; top of N. rail	566.3
Robertson, 105 ft. E. of Wabash Ry. at rd. crossing, at N. end of concrete steps at entrance to State Bank, in concrete floor; standard tablet stamped "B 1923 Mo"	565.398
Reference mark, 34 ft. NE. of tablet, on N. end of top step to Wuest's store; chiseled square	565.27
Robertson, 1.1 mi. NE. of, 35 ft. N. of T-rd. N., on E. end of N. wing wall of concrete culvert; chiseled square	540.99
Florissant, 1.3 mi. W. of, 25 ft. W. of junction of private lane NW., on top of E. end of SW. wing wall of concrete culvert; chiseled square	517.51
Florissant, at NW. edge of city limits, at junction of Robertson rd. and James Lane, on S. end of W. abutment of bridge over Coldwater Creek; chiseled square	506.99
Florissant, at NW. corner of intersection of St. Francis and Jefferson Streets, 3 ft. W. of corner of general store of A. C. Alber, in top of facing; standard tablet stamped "B 1923 Mo"	574.559
Reference mark, 57 ft. S. 75° E. of tablet, in root on SW. side of 18-in. sycamore tree; iron nail and washer	573.73
Florissant, 1.2 mi. E. of, along Parker Road, 50 ft. E. of private lane S. to dwelling of John Barreau, on S. end of W. concrete abutment of wooden bridge over small drain; chiseled square	517.34
Florissant, 2 mi. E. of, along Parker Road, 1.4 mi. W. of Blackjack, 0.2 mi. W. of junction of Parker and Halls Ferry Roads, 30 ft. E. of bridge over drain, 20 ft. from right-of-way fence, in root on SE. side of elm tree; copper nail and washer	524.39
Blackjack, 0.8 mi. W. of, along Parker Road, 760 ft. E. of junction of old Halls Ferry rd., 165 ft. N. of rd., 100 ft. S. of dwelling of J. H. Meyers, in root on SW. side of 42-in. elm tree; copper nail and washer	555.80
Blackjack, at W. edge of, in E. end of granite doorstep of Blackjack School; standard tablet stamped "B 1923 Mo"	596.335
Reference mark, 38 ft. SE. of tablet, in root on S. side of first sycamore tree; copper nail and washer	595.61
Blackjack, 0.9 mi. S. of, along old Halls Ferry rd., 0.3 mi. S. of junction of Rodman Avenue, 270 ft. SE. of junction of private rd., 25 ft. W. of rd., on N. end of W. wing wall of concrete culvert; chiseled square	593.74
Blackjack, 1.7 mi. S. of, along old Halls Ferry rd., about 0.4 mi. N. of new Halls Ferry Road, at junction of Hall Avenue, 35 ft. NE. of rd., in top of concrete post; standard tablet stamped "7 B 1923 Mo"	514.910
Reference mark, 421 ft. S. 85° E. of tablet, in N. side of 60-in. cottonwood tree; rail spike	484.56

(Continued in Alton quadrangle; see line 1.)

2. IN CITY OF ST. CHARLES (leveled twice by George W. Moore in 1931) (Continued from Brussels quadrangle; see line 3.)

St. Charles, 40 ft. N. of intersection of Ninth and Clay Streets, at Travis Motor Co. service sta., on top of concrete base of sign; chiseled square	536.85
St. Charles High School, at S. entrance of, on SW. corner of platform; chiseled square	532.70
St. Charles, NE. corner of intersection of Second and Lawrence Streets, at SW. corner of brick building, top of foundation; (mark not described) U.S.C.E. B.M. designated "25"	455.875
Reference mark, 37 ft. S. of post, on top of rail marking property corner; chiseled cross	454.77
St. Charles, on Wabash Ry. bridge over Second Street, at E. edge of sidewalk, in SW. corner of concrete base of S. column no. 20; standard tablet stamped "29 M 1931"	454.880
U.S.C.E. B.M. designated "23"	449.573

3. EAST ALONG MIDDLE OF SOUTH BORDER OF QUADRANGLE

Pattonville, 1.4 mi. NW. of, 26 ft. NE. of U.S. Highways 40 and 61 at McKelvey Road SE., in concrete post; standard tablet stamped "31 M 1931"	494.418
Reference mark, 180 ft. SE. of U.S. Highways 40 and 61 at McKelvey Road SE., on top of E. parapet wall of N. abutment; chiseled square	494.55
Bridgeton, 1 mi. E. of, 10 ft. N. and 168 ft. E. from rd. corner N.-E., 18 ft. SW. of SW. corner of farmhouse of L. O. Gedley, in concrete post; standard tablet stamped "52 M 1931"	531.144
Bridgeton, 1.6 mi. E. of, 35 ft. N. and 40 ft. W. from rd. forks, in root on N. side of 8-in. elm tree; copper nail and washer	583.28

(Continued in West St. Louis quadrangle; see line 13.)

4. IN SOUTHEAST CORNER OF QUADRANGLE

Blackjack, 2.3 mi. S. of, 540 ft. S. of junction of old Halls Ferry rd. and new Halls Ferry Road, 3 ft. N. of junction of rd. E., on top at S. end of W. head wall of stone culvert; chiseled square	471.95
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5. IN SOUTHWEST PART OF QUADRANGLE (by A. R. Friend in 1936-37)
(Continued from Brussels quadrangle; see line 4.)

St. Charles, at W. limits of, at S. side of junction of U.S. Highway 40 and State Highway 94, in E. end of concrete head wall of culvert; standard tablet stamped "28 M 1931"	Feet 594.216
St. Charles, 36 ft. N. and 7 ft. W. from intersection of Kingshighway and Elm Streets, 1 ft. E. of curb, in concrete post; standard tablet stamped "T T 74 C 1936"	527.451
U.S.C. & G.S. standard disk stamped "Q 149 1935"	527.794
U.S.C. & G.S. standard disk stamped "R 149 1935"	531.200
St. Charles, 135 ft. S. of S. upstream side of bridge carrying U.S. Highways 40 and 61 over Missouri River, in top of masonry of concrete slope of river gage; standard tablet (set by water-resources branch of U.S. Geol. Survey)	448.878

6. FROM ST. CHARLES NORTH AND WEST TO WEST BORDER OF QUADRANGLE

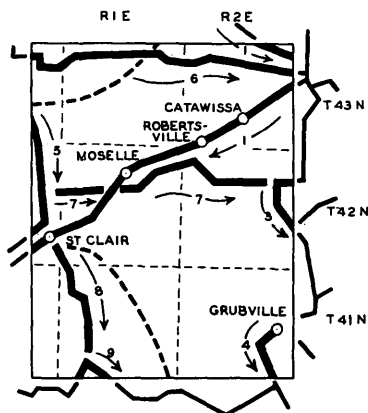
St. Charles, at N. limits of, at junction of State Highway 94 and rd. W. to Wabash Ry. sta., on S. head wall of concrete culvert; chiseled square	447.35
St. Charles, 2 mi. N. of, along State Highway 94, 12 ft. N. and 32 ft. W. from junction of rd. W., on N. head wall of concrete culvert; chiseled square	443.24
Boschertown, 1 mi. SW. of, 20 ft. E. of rd. forks, on N. end of tile culvert; chiseled square	455.18
St. Charles, 2 mi. N. of, in yard of Elm Branch School, 70 ft. S. and 30 ft. E. from rd. forks, 10 ft. S. of concrete fence post, in concrete post; standard tablet stamped "T T 73 C 1936"	466.980

(Continued in Brussels quadrangle; see line 6.)

For additional level lines along Mississippi River, Missouri River, and Wabash Ry., refer to United States Coast and Geodetic Survey first-order lines, Grafton, Ill., to Twelve Miles Above St. Louis Mo., Twelve Miles Above St. Louis to Jefferson City; and second-order line, Hurdland to St. Charles.

ST. CLAIR QUADRANGLE
(Latitude $38^{\circ}15'15''$ to $38^{\circ}30'$; longitude $90^{\circ}45'15''$ to $91^{\circ}00'$)

Franklin and Jefferson Counties



1. FROM GRAY SUMMIT EAST ALONG MISSOURI PACIFIC RAILROAD TO EAST BORDER OF QUADRANGLE, THENCE SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO WEST BORDER (first-order line by E. L. McNair in 1908)

(Continued from O'Fallon No. 3 quadrangle; see line 1.)

Gray Summit, about 55 ft. W. of Missouri Pacific R.R. sta., 26 ft. NE. of track, 25 ft. NW. of rd. crossing, 6 ft. SE. of milepost 41; iron post stamped "633"	632.846
Gray Summit, in front of Missouri Pacific R.R. sta.; top of rail	632.5

(For balance in Pacific quadrangle, see line 1.)

Pacific, 2.5 mi. SW. of, along St. Louis-San Francisco Ry., at E. end of bridge over Meramec River, on N. side of track, on top of pier; chiseled square	468.62
Catawissa, in front of St. Louis-San Francisco Ry. sta.; top of rail	530.7
Roberts-Ville, about 90 ft. E. of St. Louis-San Francisco Ry. sta., 22 ft. S. of track, at fence corner; iron post stamped "515"	503.956
Roberts-Ville, in front of St. Louis-San Francisco Ry. sta.; top of rail	503.7

Moselle, 2.2 mi. NE. of, along St. Louis-San Francisco Ry., near center of N 1/2 sec. 12, T. 42 N., R. 1 E., 150 ft. W. of milepole 43.30, 18 ft. N. of track; iron post stamped "516"	<u>Feet</u> 506.931
Moselle, 65 ft. W. of St. Louis-San Francisco Ry. sta., 30 ft. N. of track, 2 ft. W. of telegraph pole; iron post stamped "507"	496.885
St. Clair, 3.1 mi. NE. of, along St. Louis-San Francisco Ry., 470 ft. W. of milepost 49, 20 ft. W. of rd. crossing, at corner of right-of-way fence; iron post stamped "699"	687.902
St. Clair, NW. corner of intersection of North Street and Springfield Road, 2 ft. from fire hydrant, in pavement; copper bolt stamped "780"	769.234
St. Clair, in front of St. Louis-San Francisco Ry. sta.; top of rail	767.2

(Continued in Sullivan No. 1 quadrangle; see line 1.)

2. ISOLATED BENCHMARKS (not shown on diagram) (by A. F. Montmorency and C. H. Dana in 1896. Elevations are doubtful because of an excessive closure.)

Union, 0.5 mi. E. of, in SW 1/4 sec. 26, T. 43 N., R. 1 W., in capstone on SE. corner of stone bridge over Flat Creek; standard tablet stamped "516"	516.811
T. 43 N., R. 1 E., in SW 1/4 sec. 16, about 66 ft. NW. of NE. corner of old, log store building, 62 ft. N. of NW. corner of same building; iron post stamped "789"	790.242
Moselle, 3.5 mi. SE. of, on Grubville rd., near center sec. 26, T. 42 N., R. 1 E., at NW. abutment of steel bridge over Meramec River; temple	508.0
St. Clair, 200 ft. N. of St. Louis-San Francisco Ry. sta., near NW. cor. sec. 36, T. 42 N., R. 1 W., at SE. corner of store of Frederick Augerer, in cornerstone of curb; copper bolt stamped "769"	769.234
T. 41 N., R. 1 W., 6 ft. S. of NW. cor. sec. 1, on W. side of rd., in rock; copper bolt stamped "699"	699.684
T. 41 N., R. 1 E., near center sec. 1, 15 ft. E. of spring near dwelling of S. H. Dixon, in rock; copper bolt stamped "515"	515.714
Grubville, in SW 1/4 sec. 13, T. 41 N., R. 2 E., near post office, in SE. corner of yard of Dr. Davis; iron post stamped "908"	908.344
T. 42 N., R. 2 E., near SW. cor. sec. 26, on Grubville-Robertsville rd., at rd. N. to Catawissa; iron post stamped "787"	787.980

3. NEAR MIDDLE OF EAST BORDER OF QUADRANGLE (by George W. Moore in 1930)

(Continued from Pacific quadrangle; see line 6.)

T. 42 N., R. 2 E., near quarter cor. between secs. 11 and 12, at top of hill, 260 ft. S. of rd. forks, at E. edge of rd., NE. of junction of private rd. E. to dwelling, in fence corner, in root on W. side of 13-in. hickory tree; copper nail and washer	704.36
Oermann, 7.1 mi. NW. of, on rd. to Pacific, 47 ft. N. and 15 ft. W. from gate across rd. fork W., 29 ft. W. of rd. fork E., inside of fence, in top of concrete post; standard tablet stamped "T 50 L 1930"	611.044
Reference mark, 50 ft. SE. of tablet, on top of S. end of E. head wall of concrete culvert; chiseled square	612.22
T. 42 N., R. 2 E., in SW 1/4 sec. 13, 85 ft. E. of junction of private rd. NE. through field, 65 ft. E. of fence corner, in root on SW. side of 14-in. elm tree; copper nail and washer	574.05
T. 42 N., R. 2 E., in SW 1/4 sec. 13, on top of curbing at NW. corner of new concrete bridge; chiseled square	538.48

(Continued in Pacific quadrangle; see line 6.)

4. IN SOUTHEAST CORNER OF QUADRANGLE, FROM GRUBVILLE SOUTH TO SOUTH BORDER

Grubville, in SW 1/4 sec. 13, T. 41 N., R. 2 E., near post office, in SE. corner of yard of Dr. Davis; iron post stamped "908"	908.344
Reference mark, 140 ft. S. and 25 ft. W. from post, in root on W. side of 18-in. oak tree; copper nail and washer	904.18
Grubville, 0.5 mi. SW. of, near cor. secs. 13, 14, 23, and 24, T. 41 N., R. 2 E., 20 ft. S. and 10 ft. W. from crossroads, in fence corner, in root on E. side of 8-in. oak tree; copper nail and washer	839.09
Grubville, 1.4 mi. S. of, in SW. cor. sec. 24, T. 41 N., R. 2 E., 110 ft. S. of rd. forks, 20 ft. W. of rd. SE., in root on E. side of 21-in. oak tree; copper nail and washer	715.94
Grubville, about 2.2 mi. S. of, 0.3 mi. SE. of main rd. forks, on N. bank of creek at ford, 250 ft. NW. of dim rd. forks, at SW. edge of rd., on top of rock outcrop; chiseled square	546.19

(Continued in Richwoods quadrangle; see line 3.)

5. SOUTH ALONG NORTH HALF OF WEST BORDER OF QUADRANGLE (by C. P. Thompson in 1935)

Union, 0.5 mi. E. of, 56 ft. upstream from bridge carrying U.S. Highway 50 over Bourbeuse River, on W. side of river, 14 ft. from abutment, in ledge; standard tablet (set by water-resources branch of U.S. Geol. Survey)	518.253
Union, 0.5 mi. E. of, on downstream bridge seat of W. abutment of bridge carrying U.S. Highway 50 over Bourbeuse River; standard tablet (set by water-resources branch of U.S. Geol. Survey)	519.186

Union, 1 mi. E. of, along U.S. Highway 50, near center of SE 1/4 sec. 26, T. 43 N., R. 1 W., 100 ft. S. of highway at rd. S., on NE. corner of E. head wall of concrete culvert; chiseled square	Feet 515.24
Union, 1 mi. E., thence 1.2 mi. S. from, E. sixteenth cor. on S. line sec. 35, T. 43 N., R. 1 W., 300 ft. S. of farmhouse of Louis Kleeper, 15 ft. N. and 24 ft. E. from junction of private rd., 10 ft. N. of fence, in root on SW. side of 8-in. cedar tree; copper nail and washer	669.42
Union, 1 mi. E., thence 2 mi. S. from, in SW 1/4 sec. 1, T. 42 N., R. 1 W., 35 ft. E. of rd. at fence N. in line with S. end of dwelling of Henry Kleeper, 3 ft. W. of yard fence, in concrete post; standard tablet stamped "T T 978 E R A 1935 710"	710.534
Union, 3.2 mi. S. of, on St. Clair-Union rd., 530 ft. E. of cor. secs. 11, 12, 13, and 14, T. 42 N., R. 1 W., 30 ft. S. and 10 ft. E. from cross-roads, on NE. corner of E. head wall of stone culvert; chiseled square	679.60
St. Clair, 2 mi. N. of, in NW 1/4 sec. 24, T. 42 N., R. 1 W., 72 ft. N. and 26 ft. E. from T-rd. W., on land owned by George Gephart, 2 ft. N. and 1 ft. W. from yard gate, in concrete post; standard tablet stamped "T T 979 E R A 1935 719"	719.331
St. Clair, 1 mi. NE. of, on St. Clair-Union rd., about 400 ft. W. of center of NW 1/4 sec. 25, T. 42 N., R. 1 W., 25 ft. E. of rd., 2 ft. S. of fence, on W. side of transmission-line pole; lower tiebolt	801.47
St. Clair, NE. edge of, on U.S. Highway 66, in SW 1/4 sec. 25, T. 42 N., R. 1 W., 36 ft. N. and 36 ft. E. from highway at cross rd., on E. end of concrete tile culvert; (mark not described)	774.44 766.964
U.S.C. & G.S. standard disk stamped "G 139 1935"	
St. Clair, 1 mi. W. of, along St. Louis-San Francisco Ry., near center sec. 35, T. 42 N., R. 1 W., 72 ft. S. of U.S. Highway 66, at milepole 53.10, on S. side of concrete battery well; chiseled square	785.60

(Continued in Sullivan No. 1 quadrangle; see line 11.)

6. EAST ALONG NORTH BORDER OF QUADRANGLE

(Continued from Sullivan No. 1 quadrangle; see line 12.)

Union, 2 mi. N. of, center of NW 1/4 NW 1/4 sec. 14, T. 43 N., R. 1 W., 43 ft. N. and 21 ft. W. from T-rd. N., in root on S. side of 8-in. oak tree; copper nail and washer	743.72
T. 43 N., R. 1 W., near center of NE 1/4 sec. 14, 4 ft. S. and 35 ft. E. from T-rd. NW., in root on SW. side of 10-in. oak tree; copper nail and washer	757.46
T. 43 N., R. 1 W., near center of SE 1/4 sec. 13, 24 ft. S. of rd. fork to Gildehouse, in root on N. side of 18-in. hackberry tree; copper nail and washer	705.52
Gildehouse, 1.5 mi. W. of, in NE 1/4 sec. 13, T. 43 N., R. 1 W., about 300 ft. W. of Fifth Principal Meridian, 30 ft. S. and 107 ft. E. from triangle formed by junction of rd. N., 18 ft. S. of rd., in edge of field owned by Kattie Buettner, in concrete post; standard tablet stamped "T T 989 E R A 1935 673"	672.979
Gildehouse, 0.5 mi. W. of, near center of S 1/2 sec. 7, T. 43 N., R. 1 E., on S. end of E. abutment of concrete bridge over Dubois Creek; chiseled square	529.91
Gildehouse, 0.5 mi. NE. of, center sec. 8, T. 43 N., R. 1 E., near rd. corner from W.-N., on SE. corner of S. guardrail of concrete bridge; chiseled square	550.08
Gildehouse, 1.6 mi. NE. of, in NW 1/4 NW 1/4 sec. 9, T. 43 N., R. 1 E., 145 ft. N. of junction of rds. N. and NE., 20 ft. E. of N.-S. rd., 3 ft. N. and 5 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 990 E R A 1935 729"	728.915
T. 43 N., R. 1 E., at S. sixteenth cor. between secs. 3 and 4, 50 ft. SE. of transmission-line structure 376, 15 ft. S. of rd., in fence line, in root on N. side of 8-in. cedar tree; copper nail and washer	695.54
T. 43 N., R. 1 E., near center sec. 3, 40 ft. N. and 30 ft. E. from junction of State Highway 47, County Route M, and rd. SW., in root on NW. side of 10-in. oak tree; copper nail and washer	739.34
Villa Ridge, 1 mi. N. of, near SW. cor. of NW 1/4 sec. 11, T. 43 N., R. 1 E., at junction of State Highway 47 and cut-off rd. S. to U.S. Highways 50 and 66, 25 ft. W. of Highway 47, 55 ft. E. of cut-off rd., in concrete post; standard tablet stamped "T T 991 E R A 1935 716"	715.808
The Diamonds, 1 mi. W. of, on State Highway 47, near center NE 1/4 sec. 14, T. 43 N., R. 1 E., 20 ft. S. of Highway, 33 ft. E. of N.-S. fence line, on SE. corner of S. head wall of concrete culvert; chiseled square	738.75
The Diamonds, near center of NE 1/4 sec. 13, T. 43 N., R. 1 E., 55 ft. N. and 10 ft. W. from junction of U.S. Highways 50 and 66 and State Highway 47, on S. end of W. head wall of concrete culvert; chiseled square	796.18
The Diamonds, 0.6 mi. NE. of, on U.S. Highways 50 and 66, near S. sixteenth cor. on E. line sec. 12, T. 43 N., R. 1 E., 85 ft. N. of highway, 17 ft. E. of rd. N., 22 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 992 E R A 1935 776"	776.337
Gray Summit, 1 mi. SW. of, on U.S. Highways 50 and 66, near S. sixteenth cor. between secs. 7 and 8, T. 43 N., R. 2 E., near NW. corner of Shaw's Garden, 55 ft. N. and 30 ft. W. from highway at rd. S., on SE. corner of concrete porch of Cozy Dine Cafe; chiseled square	694.72
Pacific, 4 mi. W. of, on U.S. Highway 66, in NW 1/4 sec. 9, T. 43 N., R. 2 E., on S. end of E. abutment of concrete bridge over Missouri Pacific R.R.; chiseled square	586.24
Pacific, 3 mi. W. of, along U.S. Highway 66, 0.2 mi. N. of quarter cor. between secs. 9 and 10, T. 43 N., R. 2 E., 42 ft. S. and 16 ft. W. from highway at fence N., 7 ft. N. and 10 ft. W. from NE. corner of yard fence of H. R. Engelhart, in concrete post; standard tablet stamped "T T 993 E R A 1935 574"	574.058

Pacific, 2 mi. W. of, along U.S. Highway 66, near quarter cor. between secs. 10 and 11, T. 43 N., R. 2 E., 100 ft. W. of fence, 27 ft. S. and 21 ft. W. from highway at private rd. to farmhouse of Clarence Kagle, on W. end of galvanized iron pipe culvert; (mark not described)	<u>Feet</u> 533.59
Pacific, at W. edge of, near quarter cor. between secs. 11 and 12, T. 43 N., R. 2 E., 23 ft. S. and 10 ft. W. from U.S. Highway 66 at rd. N., on W. end of galvanized iron pipe culvert under private drive; (mark not described)	514.50

7. EAST THROUGH CENTER OF QUADRANGLE

T. 42 N., R. 1 E., W. cor. secs. 7 and 18, on Fifth Principal Meridian, 132 ft. N. and 10 ft. W. from rd. corner N.-E., on center of W. head wall of concrete culvert; chiseled square	583.60
T. 42 N., R. 1 E., 14 ft. N. and 510 ft. W. from approximate quarter cor. between secs. 7 and 18, 14 ft. N. and 80 ft. E. from crossroads, 12 ft. S. of pin-oak tree, in concrete post; standard tablet stamped "T T 994 E R A 1935 678"	678.518
T. 42 N., R. 1 E., 17 ft. S. and 645 ft. E. from cor. secs. 7, 8, 17, and 18, 17 ft. S. and 75 ft. W. from U.S. Highway 66 at cross rd., on S. end of concrete tile culvert; chiseled square	627.68
Moselle, 1.7 mi. W. of, 100 ft. N. and 170 ft. E. from cor. secs. 8, 9, 16, and 17, T. 42 N., R. 1 E., 67 ft. N. and 15 ft. E. from triangle formed by rd. fork NW., on E. end of galvanized iron pipe culvert; (mark not described)	693.08
Moselle, 1.1 mi. W. of, in SW 1/4 SE 1/4 sec. 9, T. 42 N., R. 1 E., 60 ft. W. of old rd. fork NW., in root on S. side of 24-in. oak tree; copper nail and washer	680.08
Moselle, 121 ft. NE. of NE. corner of St. Louis-San Francisco Ry. sta., 27 ft. N. and 9 ft. W. from rd. crossing, 27 ft. S. and 9 ft. E. from SE. corner of Cervanka's grocery store, 6 ft. N. of R.R. crossing signpost, in concrete post; standard tablet stamped "T T 995 E R A 1935 493"	493.169
Moselle, 1 mi. NE. of, along St. Louis-San Francisco Ry., near center of W 1/2 sec. 11, T. 42 N., R. 1 E., about 250 ft. E. of milepost 45, 17 ft. W. of switch stand, 10 ft. N. of track; top of rail set in ground	490.40
Moselle, 2 mi. NE. of, along St. Louis-San Francisco Ry., near center of W 1/2 sec. 12, T. 42 N., R. 1 E., 280 ft. E. of milepost 44, 100 ft. N. of track, 15 ft. N. and 15 ft. E. from T-rd. N., at fence corner, in root on S. side of 40-in. oak tree; copper nail and washer	521.98
T. 42 N., R. 2 E., near quarter cor. between secs. 6 and 7, at top of Meramec Hill, 40 ft. S. and 27 ft. W. from T-rd. S., in root on E. side of 16-in. cedar tree; copper nail and washer	698.01
T. 42 N., R. 2 E., 380 ft. W. of center of W 1/2 sec. 8, 20 ft. W. of branch, 15 ft. S. of abandoned rd., in root on N. side of 20-in. sycamore tree; copper nail and washer	558.32
Robertsville, 2 mi. S. of, in SE 1/4 SE 1/4 sec. 8, T. 42 N., R. 2 E., 505 ft. W. of Woodland School, 32 ft. N. and 10 ft. E. from T-rd. E., 46 ft. N. of fence W., 9 ft. S. and 5 ft. W. from 18-in. tree at fence corner, in concrete post; standard tablet stamped "T T 996 E R A 1935 540"	540.464
T. 42 N., R. 2 E., in E 1/2 sec. 9, 50 ft. N. of telephone line, on center of E. head wall of concrete culvert; chiseled square	507.52
T. 42 N., R. 2 E., 147 ft. S. and 6 ft. E. from stone at center sec. 10, 30 ft. S. and 6 ft. E. from T-rd. E., on N. end of E. head wall of concrete culvert; chiseled square	495.45
T. 42 N., R. 2 E., center sec. 10, 11 ft. N. and 41 ft. W. from stone at rd. corner W.-S. and fence N., 121 ft. N. and 41 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T 997 E R A 1935 496"	496.396
T. 42 N., R. 2 E., near center sec. 11, 20 ft. S. and 20 ft. W. from rd. at fence S., in root on NW. side of 16-in. white-oak tree; copper nail and washer	595.64
Catawissa, 3.7 mi. SE. of, about 600 ft. S. of quarter cor. between secs. 1 and 12, T. 42 N., R. 2 E., on side of hill, 14 ft. S. of rd. at fence line, in root on NW. side of 18-in. oak tree; copper nail and washer	669.84

8. FROM ST. CLAIR SOUTHEAST TO SOUTH BORDER OF QUADRANGLE

U.S.C. & G.S. standard disk stamped "F 139 1935"	748.332
St. Clair, 2.3 mi. SE. of, along County Route K, in NE 1/4 SW 1/4 sec. 6, T. 41 N., R. 1 E., 42 ft. E. of junction of private rd. E., 3 ft. N. of fence, in root on S. side of 22-in. oak tree; copper nail and washer	750.13
St. Clair, 3.5 mi. SE. of, along County Route K, in W 1/2 sec. 8, T. 41 N., R. 1 E., 21 ft. N. and 7 ft. E. from highway at entrance to Pinebluff School, on N. end of galvanized iron pipe culvert; (mark not described)	716.15
St. Clair, 4 mi. SE. of, along County Route K, 56 ft. N. and 195 ft. W. from stone at quarter cor. between secs. 8 and 17, T. 41 N., R. 1 E., 195 ft. S. of highway at rd. SE., 67 ft. W. of rd. SE., 26 ft. E. of highway, in concrete post; standard tablet stamped "T T 998 E R A 1935 752"	751.565
St. Clair, 5.2 mi. SE. of, along County Route K, near quarter cor. between secs. 17 and 20, T. 41 N., R. 1 E., about 250 ft. S. of farmhouse of William Egger, 15 ft. E. of highway, on E. end of galvanized iron pipe culvert; (mark not described)	559.64
St. Clair, 6 mi. SE. of, along County Route K, in S 1/2 sec. 20, T. 41 N., R. 1 E., at N. end of bridge over Meramec River, on base-plate guide of N. pier; top of NW. rivet	535.98

St. Clair, 6.7 mi. SE. of, along County Route K, in NW 1/4 NE 1/4 sec. 29, T. 41 N., R. 1 E., 80 ft. N. and 74 ft. E. from highway at rd. E., 2 ft. S. and 2 ft. W. from concrete fence post at NW. corner of yard of Arthur Oermann, in concrete post; standard tablet stamped "T T 999 E R A 1935 542"	Feet 541.783
St. Clair, 7.7 mi. SE. of, along County Route K, in N 1/2 sec. 32, T. 41 N., R. 1 E., 100 ft. W. of farmhouse of L. Gorg, 10 ft. E. of highway, on SE. corner of concrete culvert; chiseled square	549.07
T. 41 N., R. 1 E., in SE 1/4 sec. 28, at top of hill, 15 ft. E. of rd., in root on W. side of 22-in. oak tree; copper nail and washer	763.38
T. 41 N., R. 1 E., about 600 ft. S. of NW. cor. sec. 34, 35 ft. S. and 12 ft. E. from T-rd. S., in fence corner, in root on NE. side of 18-in. oak tree; copper nail and washer	763.37

9. IN SOUTHWEST PART OF QUADRANGLE

(Continued from Richwoods quadrangle; see line 5.)

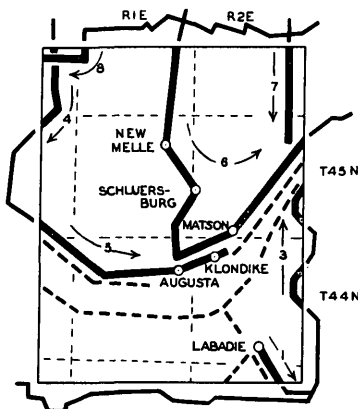
T. 41 N., R. 1 E., N. sixteenth cor. on W. line sec. 31, on Fifth Principal Meridian, 2 ft. E. of fence N., on N. edge of rd., in root on NE. side of 26-in. oak tree; copper nail and washer	769.98
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(Continued in Richwoods quadrangle; see line 5.)

For additional level lines along Missouri Pacific R.R. and Chicago, Rock Island & Pacific Ry., refer to United States Coast and Geodetic Survey first-order line, St. Louis to Jefferson City; and second-order line, Eldon to Labadie.

O'FALLON NO. 3 QUADRANGLE
(Latitude 38°30' - 38°45'; longitude 90°45' - 91°00')

Franklin, St. Charles, and Warren Counties



1. IN SOUTHEAST CORNER OF QUADRANGLE (first-order line by E. L. McNair in 1908)

U.S.C.E. B.M. designated "43=13/1"

Top of cap
Labadie, in front of Missouri Pacific R.R. sta.; top of rail472.148
494.6

(Continued in St. Clair quadrangle; see line 1.)

2. ISOLATED BENCHMARKS (not shown on diagram) (by Jesse L. Holman in 1897 and Charles La Rue in 1898)

Howell, 35 ft. SW. of County Route D, 8 ft. W. of NE. corner of yard of Elsa Knippenburg; iron post stamped "U S G S St L 719.5"	719.928
Hamburg, about 2 mi. SW. of, along Missouri-Kansas-Texas R.R., on W. end of E. abutment of bridge over Little Femme Osage Creek; aluminum bolt stamped "St L 462"	462.670
Augusta, about 1 mi. N. of, SW 1/4 sec. 11, T. 44 N., R. 1 E., 350 ft. NW. of German Evangelical Church, in limestone ledge; aluminum tablet stamped "St L 613"	613.801
Dutzow, in S. wall of Wengleford hardware store; aluminum tablet stamped "St L 497"	497.633
Femme Osage, in SW 1/4 sec. 20, T. 45 N., R. 1 E., in foundation of German Evangelical Church; aluminum tablet stamped "St L 659"	659.833
T. 44 N., R. 1 W., in NE 1/4 sec. 24, on property of Charles Birbonne, on N. side of rd.; iron post stamped "St L 778"	778.914
Cappeln, in W 1/2 sec. 5, T. 45 N., R. 1 E., in stone doorsill of brick store building; aluminum bolt stamped "St L 829"	829.307

3. NORTH ALONG SOUTH HALF OF EAST BORDER OF QUADRANGLE (by E. W. Couchenour in 1930)

(Continued from Manchester quadrangle; see line 2.)

T. 44 N., R. 2 E., near quarter cor. between secs. 23 and 24, 375 ft. N. of farmhouse, 20 ft. E. of rd., in fence line, in root on W. side of 24-in. walnut tree; copper nail and washer	Feet 791.30
T. 44 N., R. 2 E., about 500 ft. E. of cor. secs. 13, 14, 23, and 24, SE. of T-rd. E., in root on S. side of 10-in. hickory tree; copper nail and washer	804.94

(For balance in Manchester quadrangle, see line 2.)

Melrose, about 2.5 mi. NW. of, on highest point of Tavern Rock Bluff, 470 ft. NW. of dwelling of Charles Polley; top of sandstone on limestone post lettered "U.S."	867.86 868.07
Reference mark, 2 ft. E. of post, in small stump; copper nail and washer Tavern Rock, about 0.5 mi. W. of, on Chicago, Rock Island & Pacific Ry., 300 ft. S. of milepost 37, 10 ft. W. of W. rail, on limestone rock; (mark not described)	476.64

(Continued in Manchester quadrangle; see line 2.)

4. SOUTH ALONG NORTH HALF OF WEST BORDER OF QUADRANGLE (by C. P. Thompson in 1935)

(Continued from O'Fallon No. 2 quadrangle; see line 3.)

T. 46 N., R. 1 W., near center sec. 14, 1 mi. E., thence 7.5 mi. S. from Wright City, 145 ft. S. and 25 ft. W. from T-rd. E., 120 ft. S. and 21 ft. W. from rd. fork SW., in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 1737 E R A 1935"	844.062
T. 46 N., R. 1 W., in E 1/2 NE 1/4 sec. 23, at top of hill, 28 ft. W. of rd., 8 ft. S. of fence W., in root on SE. side of 16-in. oak tree; copper nail and washer	835.09
T. 46 N., R. 1 W., near cor. secs. 23, 24, 25, and 26, 42 ft. S. and 21 ft. W. from T-rd. W., in root on NW. side of 16-in. oak tree; copper nail and washer	852.76
T. 46 N., R. 1 W., in NW 1/4 NW 1/4 sec. 36, 1 ft. S. of SE. corner of Liberty Grove School, on concrete porch; chiseled square	817.45
T. 46 N., R. 1 W., 40 ft. S. and 635 ft. E. from stone at quarter cor. between secs. 35 and 36, 1 mi. E., thence 10.5 mi. S. from Wright City, 25 ft. S. of T-rd. N., in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 1739 E R A 1935"	816.258
T. 45 N., R. 1 W., in S 1/2 NE 1/4 sec. 2, 350 ft. N. of T-rd. N., 18 ft. E. of rd., in root on E. side of 20-in. elm tree; copper nail and washer	822.76

(Continued in Hermann No. 4 quadrangle; see line 4.)

5. FROM WEST BORDER OF QUADRANGLE SOUTHEAST AND EAST ALONG MISSOURI-KANSAS-TEXAS RAILROAD TO POINT ABOUT 1.8 MILES EAST OF KLONDIKE
(Continued from Hermann No. 4 quadrangle; see line 3.)

Dutzow, 250 ft. SE. of Missouri-Kansas-Texas R.R. sta., 15 ft. S. of track, in top of SE. corner of head wall of concrete culvert; standard tablet stamped "T T 1746 E R A 1935"	491.102
Dutzow, 1 mi. E. of, along Missouri-Kansas-Texas R.R., 270 ft. E. of end of switch, 80 ft. W. of milepost 73, on N. end of concrete culvert; (mark not described)	485.66
Dutzow, 2.2 mi. SE. of, along Missouri-Kansas-Texas R.R., 60 ft. E. of private rd. crossing, at milepole 71.7, in NE. corner of wooden bridge; top of easternmost rivet	490.57
Dutzow, 2.7 mi. SE. of, along Missouri-Kansas-Texas R.R., near milepole 71.2, 12 ft. N. of track, in W. end of head wall of concrete culvert; top of bolt	487.97
Dutzow, 3.4 mi. E. of, along Missouri-Kansas-Texas R.R., 10 ft. S. and 14 ft. E. from rd. crossing, in top of concrete pier at SW. corner of steel bridge; standard tablet stamped "T T 1747 E R A 1935"	488.841
Augusta, 2.6 mi. W. of, along Missouri-Kansas-Texas R.R., 160 ft. E. of private rd. crossing, 60 ft. W. of milepost 69, 15 ft. N. of track, on SW. corner of concrete railrest; chiseled square	480.95
Augusta, 1.7 mi. W. of, along Missouri-Kansas-Texas R.R., near third telegraph pole W. of milepost 68, 50 ft. S. of rd., 12 ft. N. and 8 ft. W. from rd. crossing, on W. end of 12-in. tile culvert; (mark not described)	479.28
Augusta, 0.8 mi. W. of, along Missouri-Kansas-Texas R.R., at milepost 67, 18 ft. W. of NW. corner of concrete bridge, in concrete post; standard tablet stamped "T T 1748 E R A 1935"	475.734
Augusta, 105 ft. N. and 90 ft. E. from Missouri-Kansas-Texas R.R. sta., 158 ft. N. of rd. crossing, at SW. entrance to dwelling of S. L. Griffin, on SW. corner of concrete step; chiseled square	480.76
Augusta, 0.9 mi. E. of, along Missouri-Kansas-Texas R.R., 0.2 mi. S. of NE. cor. sec. 13, T. 44 N., R. 1 E., at milepole 65.4, 4 ft. N. and 1 ft. W. from SW. corner of E. concrete abutment of bridge over creek; standard tablet stamped "T T 1750 E R A 1935"	479.555
Klondike, on Missouri-Kansas-Texas R.R., at SW. corner of sand house, on SW. corner of concrete retaining wall around water main; chiseled square	482.00
Klondike, 1.2 mi. E. of, along Missouri-Kansas-Texas R.R., about 0.2 mi. W. of rd. crossing, near second telegraph pole W. of milepost 63, in NW. corner of wooden bridge; top of northwesternmost bolt	477.30

Klondike, 1.8 mi. NE. of, along Missouri-Kansas-Texas R.R., at milepole 62.3, 70 ft. N. of County Route E., 8 ft. N. of track, 4 ft. S. of N. end of E. concrete abutment of bridge; standard tablet stamped "T T 1756 E R A 1935"

Feet

473.771

6. FROM MIDDLE OF NORTH BORDER OF QUADRANGLE, SOUTH TO AUGUSTA, THENCE NORTHEAST ALONG MISSOURI-KANSAS-TEXAS RAILROAD TO EAST BORDER (by A. R. Friend in 1936-37)
(Continued from O'Fallon No. 2 quadrangle; see line 7.)

New Melle, 2 mi. N. of, along County Route Z, 0.2 mi. N. of Dardenne Creek, 140 ft. N. of highway at rd. W., 25 ft. W. of highway, 2 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 64 C 1936"	616.895
New Melle, about 0.5 mi. N. of, along County Route Z, 610 ft. S. and 30 ft. E. from junction of Forstell rd., in root on W. side of 16-in. maple tree; copper nail and washer	740.45
New Melle, in S. face near SW. corner of Friedens Evangelical Church; aluminum tablet stamped "St L 788"	788.587
New Melle, at S. edge of, at rd. fork SW., in root on W. side of 16-in. water-oak tree; crossed nails	758.12
New Melle, 1.4 mi. S. of, in SW. cor. sec. 35, T. 46 N., R. 1 E., on NW. wing wall of steel bridge over Callaway Fork; chiseled square	624.87
New Melle, about 2 mi. S. of, quarter cor. between secs. 2 and 3, T. 45 N., R. 1 E., 25 ft. S. and 20 ft. W. from rd. fork SW., in root on W. side of 14-in. white-oak tree; copper nail and washer	811.71
New Melle, about 2.7 mi. S. of, in NW 1/4 sec. 11, T. 45 N., R. 1 E., at bottom of long hill, on W. head wall of concrete culvert; chiseled square	603.87
New Melle, 4 mi. S. of, 15 ft. S. and 15 ft. E. from junction of rds. to Defiance and Femme Osage, in concrete post; standard tablet stamped "T T 65 C 1936"	536.045
Schlusburg, 1.5 mi. NE., thence about 1 mi. NW. from, on NW. wing wall of concrete bridge over small creek; chiseled square	521.09
Schlusburg, 1.5 mi. NE. of, 13 ft. S. and 45 ft. E. from junction of rds. to Defiance and New Melle, 4 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 66 C 1936"	523.681
Bridge over Femme Osage Creek, at SW. corner of, on top of masonry; chiseled square	498.80
Schlusburg, in front of store of Fred Von Der Beljes, on concrete base of gasoline pump; chiseled square	546.96
Schlusburg, 0.6 mi. W. of, 100 ft. E. of rd. forks, on SW. wing wall of steel bridge over Femme Osage Creek; chiseled square	539.16
Schlusburg, about 0.5 mi. W., thence 1.5 mi. S. from, along Augusta-Schlusburg ridge rd., on E. side of rd., in root on W. side of 24-in. elm tree; copper nail and washer	849.80
Schlusburg, 3 mi. S. of, on rd. to Klondike, near center sec. 1, T. 44 N., R. 1 E., 7 ft. N. and 15 ft. E. from rd. at fences E. and W. along S. side of farm of Julius Hamilton, in concrete post; standard tablet stamped "T T 67 C 1936"	826.598
Rd. fork to Defiance, in root on E. side of 12-in. post-oak tree; crossed nails	862.80
Augusta, about 1.2 mi. NE. of, in SW 1/4 sec. 12, T. 44 N., R. 1 E., 40 ft. N. and 60 ft. E. from State Highway 94 at ridge rd. to Schlusburg, in root on E. side of 12-in. walnut tree; copper nail and washer	515.96
Augusta, at N. edge of, in NE. corner of yard of Christ Lutheran Church, in root on W. side of 36-in. white-oak tree; copper nail and washer	621.12
Augusta, 12 ft. W. of SW. corner of Missouri-Kansas-Texas R.R. sta.; top of 3-in. iron pipe	481.82
Augusta, 1 mi. NE. of, along Missouri-Kansas-Texas R.R., 160 ft. N. of track, in SE. corner of farm lot of Roy Geiger; iron post stamped "Missouri River Commission"	482.740
Matson, 0.8 mi. SW. of, along Missouri-Kansas-Texas R.R., 260 ft. N. of track, 650 ft. SW. of State Highway 94 at private cross rd., between house and barn of August Weinrich; iron post stamped "Missouri River Commission"	475.324
Matson, on Missouri-Kansas-Texas R.R., on concrete base of water stand-pipe; chiseled square	473.02
Matson, about 1 mi. NE. of, along Missouri-Kansas-Texas R.R., 25 ft. S. and 10 ft. W. from rd. crossing, on N. end of W. head wall of concrete culvert; chiseled square	470.79
Defiance, 40 ft. S. and 20 ft. E. from Missouri-Kansas-Texas R.R. track at sta., 4 ft. S. and 3 ft. W. from telegraph pole, in concrete post; standard tablet stamped "T T 75 C 1936"	470.087
Defiance, 0.8 mi. NE. of, along Missouri-Kansas-Texas R.R., 450 ft. N. of track, 30 ft. W. of State Highway 94 at rd. SE., 30 ft. S. of private rd. W.; iron post stamped "Missouri River Commission"	465.963
Hamburg, 2 mi. W. of, on Missouri-Kansas-Texas R.R., in top of N. end of stone abutment at W. side of steel bridge over Little Femme Osage Creek; standard tablet stamped "T T 53 C 1936"	465.397

(Continued in Manchester quadrangle; see line 13.)

7. FROM NORTHEAST CORNER OF QUADRANGLE, SOUTH ALONG EAST BORDER TO MISSOURI-KANSAS-TEXAS RAILROAD

(Continued from O'Fallon No. 2 quadrangle; see line 8.)

Dardenne, about 2 mi. SW. of, along Dardenne-Howell rd., 15 ft. S. and 75 ft. W. from private entrance to farmhouse, in root on N. side of 12-in. post-oak tree; copper nail and washer	<u>Feet</u> 573.68
Dardenne, 2.5 mi. SW. of, 50 ft. S. and 290 ft. W. from steel bridge over creek, 62 ft. S. of rd. fork W., 60 ft. S. and 40 ft. E. from 18-in. white-oak tree, in concrete post; standard tablet stamped "T T 61 C 1936"	508.465
Dardenne, 3.5 mi. SW. of, along Dardenne-Howell rd., 35 ft. N. and 35 ft. E. from junction of rd. N., in root on N. side of 12-in. hickory tree; copper nail and washer	571.18 559.41
T-rd. S., in root on S. side of 14-in. elm tree; crossed nails	604.44
Dardenne, 5.2 mi. SW. of, along Dardenne-Howell rd., 1.2 mi. N. of Howell, on S. end of E. head wall of concrete culvert; chiseled square	
Howell, about 1.5 mi. S. of, near center sec. 11, T. 45 N., R. 2 E., 70 ft. E. of ford across creek, 10 ft. S. of rd. forks, in root on N. side of 26-in. elm tree; copper nail and washer	495.18
Hamburg, about 2 mi. SW. of, 525 ft. W. of State Highway 94 at valley rd. to Howell, on corner of SW. abutment of bridge; chiseled square	470.62

8. IN NORTHWEST CORNER OF QUADRANGLE

(Continued from O'Fallon No. 2 quadrangle; see line 9.)

T. 46 N., R. 1 E., in SW 1/4 sec. 18, on St. Charles-Warren county line, in front of Wideawake School, 110 ft. N. and 12 ft. E. from T-rd. W., on E. head wall of concrete culvert; chiseled square	789.45
T. 46 N., R. 1 W., center sec. 13, 15 ft. S. and 70 ft. W. from T-rd. N., on S. end of concrete pipe culvert; chiseled square	818.73

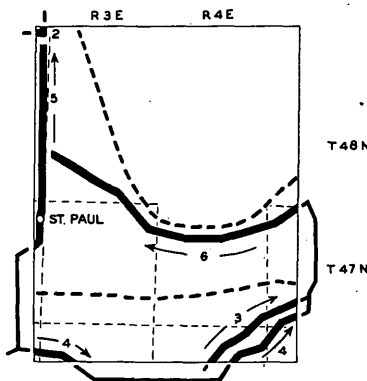
(Continued in Hermann No. 4 quadrangle; see line 5.)

For additional level lines along north and south banks of Missouri River, refer to United States Coast and Geodetic Survey first-order lines, Twelve Miles Above St. Louis to Jefferson City and St. Louis to Jefferson City; and second-order line Eldon to Labadie.

BRUSSELS QUADRANGLE*

(Latitude 38°45'-39°00'; longitude 90°30'-90°45')

Lincoln and St. Charles Counties



1. BENCHMARK AT ST. PETERS (not shown on diagram) (by Charles La Rue in 1898)

St. Peters, in parapet wall of W. abutment of Wabash Ry. bridge; aluminum tablet stamped "St L 445" 446.194

2. NORTHWEST CORNER OF QUADRANGLE (by L. V. Johnson in 1928)

(Continued from Hardin quadrangle; see line 1.)

Winfield, about 300 ft. N. of Chicago, Burlington & Quincy R.R. sta., 20 ft. N. and 50 ft. W. from rd. crossing, in concrete post; standard tablet stamped "T T Sta No 21 F 1928" 446.348

(Continued in O'Fallon No. 2 quadrangle; see line 2.)

*Part of this quadrangle lies in Illinois.

3. IN 'SOUTHEAST QUARTER OF QUADRANGLE (leveled twice by George W. Moore in 1931)

(Continued from Manchester quadrangle; see line 11.)

Harvester, 1 mi. NE. of, along State Highway 94, in SE 1/4 SW 1/4 sec. 10, T. 46 N., R. 4 E., 30 ft. S. and 100 ft. W. from junction of rd. S., on top of right-of-way marker; chiseled square	Feet 625.05
Harvester, 1.7 mi. NE. of, along State Highway 94, in SE 1/4 sec. 10, T. 46 N., R. 4 E., 40 ft. S. and 50 ft. E. from junction of rd. SE, in concrete post; standard tablet stamped "27 M 1931"	625.150
Reference mark, 255 ft. W. of junction of rd. S., on top of E. end of S. head wall of concrete culvert; chiseled square	620.49
Harvester, 1.9 mi. NE. of, in W 1/2 sec. 11, T. 46 N., R. 4 E., 280 ft. SW. of T-rd. NW. (McClay rd.), on top of W. end of S. head wall of concrete culvert; chiseled square	572.27
T. 46 N., R. 4 E., center of NE 1/4 sec. 11, 0.2 mi. E. of crossroads, on top of E. end of S. head wall of concrete culvert; chiseled square	589.85
T. 46 N., R. 4 E., near W. sixteenth cor. between secs. 1 and 12, 350 ft. NE. of junction of private rd. SE., at E. edge of rd., in root on N. side of 24-in. oak tree; copper nail and washer	597.59
T. 46 N., R. 4 E., in NE 1/4 sec. 1, 80 ft. N. and 35 ft. E. from private cross rd., 75 ft. NE. of large gate, in root on SE. side of 15-in. chestnut-oak tree; copper nail and washer	614.08
T. 46 N., R. 5 E., in NW 1/4 sec. 6, 100 ft. W. of T-rd. S., at W. end of small park, on top of W. end of N. head wall of concrete culvert; chiseled square	599.20
St. Charles, at NW. limits of, at junction of highways, 115 ft. SW. of T-rd. SW., in top of E. end of S. head wall of concrete culvert under Harvester rd.; standard tablet stamped "28 M 1931"	594.216
Reference mark, 55 ft. W. of tablet, 155 ft. SW. of junction of highways, on top of W. end of N. head wall of concrete culvert; chiseled square	592.38

(Continued in St. Charles quadrangle; see line 2.)

4. EAST ALONG SOUTH BORDER OF QUADRANGLE (by A. R. Friend in 1936-37)

(Continued from O'Fallon No. 2 quadrangle; see line 10.)

Dardenne, 1.2 mi. E. of, 400 ft. E. of T-rd. S., 25 ft. N. and 25 ft. E. from T-rd. N., in root on S. side of 10-in. wild-cherry tree; copper nail and washer	611.38
Rd. fork S., 180 ft. E. of, in NW. corner of yard of Lea Ridge School, in root on N. side of 10-in. cedar tree; crossed nails	585.58
Cottleville, 3 mi. W. of, along Cottleville-Dardenne rd., 24 ft. S. and 185 ft. E. from junction of rd. NE., 24 ft. S. and 2 ft. W. from rd. at hedge fence S., in concrete post; standard tablet stamped "T T 79 C 1936"	550.127
Rd. fork S., on N. end of iron pipe culvert; painted cross	517.21

(For balance in Manchester quadrangle, see line 14.)

Manchester, 1.2 mi. NE. of, along State Highway 94, in SE 1/4 sec. 10, T. 46 N., R. 4 E., 25 ft. S. and 445 ft. E. from junction of rd. S., in root on W. side of 10-in. water-oak tree; copper nail and washer	629.47
State Highway 94 at rd. NW., in root on S. side of 14-in. pin-oak tree; crossed nails	579.86
T. 46 N., R. 4 E., N. sixteenth cor. sec. 11, 30 ft. S. and 410 ft. E. from State Highway 94 at cross rd., in root on E. side of 12-in. twin elm tree; copper nail and washer	598.91
State Highway 94 at rd. SE., on W. end of iron pipe culvert; painted cross	593.15
St. Charles, 2.5 mi. SW. of, along State Highway 94, 3.5 mi. NE. of Harvester, 40 ft. N. and 180 ft. E. from junction of rd. NW., on N. head wall of concrete culvert; chiseled square	583.21
State Highway 94 at N.-S. cross rd., on top of E. concrete post in guard-rail; chiseled square	599.52
St. Charles, 1.5 mi. W. of, along State Highway 94, at junction of rd. S., on concrete head wall; chiseled square	599.22

(Continued in St. Charles quadrangle; see line 5.)

5. NORTH ALONG WEST BORDER OF QUADRANGLE

(Continued from O'Fallon No. 2 quadrangle; see line 5.)

T. 47 N., R. 2 E., in SW 1/4 sec. 13, on top of abutment at SE. corner of steel bridge over Perique Creek; chiseled square	469.17
St. Paul, 1.3 mi. S. of, S. sixteenth cor. sec. 12, T. 47 N., R. 2 E., 20 ft. S. and 236 ft. E. from crossroads, 2 ft. N. and 8 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 1755 E R A 1935"	569.877
St. Paul, 0.6 mi. S. of, 12 ft. N. and 40 ft. E. from T-rd. E., in root on W. side of 14-in. wild-cherry tree; copper nail and washer	540.71
St. Paul, on SW. corner of concrete porch of post office; chiseled square	519.54
T-rd. N., on N. end of iron pipe culvert; painted cross	536.65
St. Paul, 1 mi. N. of, near center sec. 36, T. 48 N., R. 2 E., 44 ft. S. and 35 ft. W. from T-rd. S., 23 ft. S. and 2 ft. E. from fence corner, 3 ft. S. of telephone pole, in concrete post; standard tablet stamped "T T 58 C 1936"	513.698
T-rd. N., 135 ft. N. and 20 ft. E. from, in root on W. side of 10-in. black-walnut tree; crossed nails	529.90

T. 48 N., R. 3 E., in NW 1/4 sec. 31, 12 ft. N. and 25 ft. W. from State Highway 79 at rd. W., on N. head wall of concrete culvert; chiseled square	Feet 444.24
T. 48 N., R. 2 E., in SE 1/4 sec. 25, 18 ft. N. and 18 ft. W. from State Highway 79 at rd. E., on W. head wall of concrete culvert; chiseled square	447.61
Old Monroe, 1.5 mi. S. of, along State Highway 79, 33 ft. S. and 31 ft. W. from junction of rd. W., 2 ft. E. of fence post, in concrete post; standard tablet stamped "T T 8 C 1936"	441.629
Old Monroe, at S. edge of, on State Highway 79, on NE. wing wall of bridge over Culvre River; chiseled square	446.51
Old Monroe, 0.8 mi. N. of, along State Highway 79, 15 ft. S. and 50 ft. E. from junction of rd. E., on S. end of concrete culvert; chiseled square	437.35
Winfield, 2.8 mi. S. of, along State Highway 79, 16 ft. S. and 34 ft. E. from cross rd., 45 ft. W. of Chicago, Burlington & Quincy R.R., 10 ft. S. and 14 ft. W. from R.R. crossing sign, in concrete post; standard tablet stamped "T T 7 C 1936"	440.935
State Highway 79 at rd. W., 80 ft. N. of, on abutment at SW. corner of bridge over Bobs Creek; chiseled square	453.65
Winfield, 1.5 mi. S. of, along State Highway 79, 20 ft. S. and 20 ft. E. from junction of rd. W., on S. end of tile culvert; chiseled square	442.12
State Highway 79 at rd. W., on S. end of tile culvert; chiseled square	436.47
Winfield, at S. edge of, 240 ft. S. and 20 ft. W. from junction of State Highways 47 and 79, on W. head wall of concrete culvert; chiseled square	449.58

6. NORTHWEST THROUGH MIDDLE OF QUADRANGLE

(Continued from St. Charles quadrangle; see line 6.)

T. 47 N., R. 4 E., near center sec. 13, 25 ft. S. and 10 ft. W. from junction of private rd. W., on NW. corner of concrete bridge; chiseled square	445.04
Junction of rd. N., 8 ft. S. and 20 ft. E. from, on S. end of iron pipe culvert; (mark not described)	442.46
T. 47 N., R. 4 and 5 E., probable cor. secs. 1, 6, 7, and 12, 30 ft. S. and 20 ft. W. from crossroads, on concrete base of corner fence post; chiseled square	440.83
Seeburger, on Chicago, Burlington & Quincy R.R., about 0.2 mi. S. of NE. cor. sec. 1, T. 47 N., R. 4 E., 60 ft. S. and 35 ft. W. from main track at rd. crossing, 3 ft. E. of telegraph pole, in concrete post; standard tablet stamped "T T 72 C 1936"	439.600
Kampville, near Chicago, Burlington & Quincy R.R. sta., 110 ft. W. of rd. crossing, on abutment at NE. corner of trestle over Dardenne Creek; chiseled square	437.59
Kampville, 0.5 mi. W. of Chicago, Burlington & Quincy R.R. sta., 20 ft. N. and 10 ft. E. from rd. crossing, on top of flat rock; chiseled square	434.61
T. 47 N., R. 4 E., cor. secs. 3, 4, 9, and 10, 28 ft. S. and 25 ft. E. from T-rd. S., about 350 ft. SE. of old grain elevator on Chicago, Burlington & Quincy R.R., 4 ft. N. of telegraph pole, in concrete post; standard tablet stamped "T T 71 C 1936"	433.031
Peruque, about 2 mi. SE. of, along Chicago, Burlington & Quincy R.R., 40 ft. E. of private rd. crossing, on NW. corner of concrete base of semaphore; chiseled square	439.12
Peruque, first semaphore W. of Chicago, Burlington & Quincy R.R. sta., on concrete base of battery well; chiseled square	437.48
Peruque, 0.8 mi. E. of, along Chicago, Burlington & Quincy R.R., at quarter cor. between secs. 5 and 6, T. 47 N., R. 4 E., about 440 ft. S. of rd. crossing, 6 ft. N. and 30 ft. E. from T-rd. W., in concrete post; standard tablet stamped "T T 70 C 1936"	428.309
Peruque, 0.7 mi. NW. of, along Chicago, Burlington & Quincy R.R., on concrete base of semaphore battery well; chiseled square	436.86
Peruque, 2 mi. NW. of, along Chicago, Burlington & Quincy R.R., 0.1 mi. S. of cor. secs. 26, 27, 34, and 35, T. 48 N., R. 3 E., 40 ft. N. and 26 ft. E. from rd. crossing, 2 ft. N. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 69 C 1936"	433.272
Firma, about 0.6 mi. SE. of, along Chicago, Burlington & Quincy R.R., 40 ft. S. and 15 ft. W. from rd. crossing, on W. end of 30-in. sewer pipe; chiseled square	429.65
Firma, on Chicago, Burlington & Quincy R.R., 70 ft. S. of rd. crossing, on E. end of concrete sewer pipe; chiseled square	430.15
Firma, 1.5 mi. NW. of, along Chicago, Burlington & Quincy R.R., in SW 1/4 sec. 20, T. 48 N., R. 3 E., 55 ft. N. and 30 ft. W. from rd. crossing, 1 ft. S. of concrete post at fence corner, in concrete post; standard tablet stamped "T T 68 C 1936"	435.126

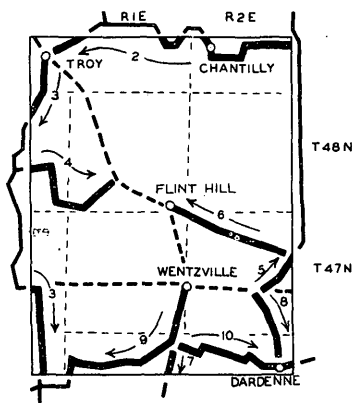
7. IN SOUTHWEST CORNER OF QUADRANGLE

Orf triangulation sta., 3.5 mi. SW. of O'Fallon, 0.5 mi. NE. of Dardenne Church, 492 ft. NNW. of dwelling on land belonging to Ben Orf, 131 ft. NW. of barn, 33 ft. N. of pond, in concrete post; U.S.C. & G.S. standard disk stamped "Orf 1951"

667.596

For additional level lines along Mississippi River, Missouri River, and Wabash Ry., refer to United States Coast and Geodetic Survey first-order lines, Savanna to Grafton, Ill., and St. Louis to Jefferson City; and second-order line, Hurdland to St. Charles.

O'FALLON NO. 2 QUADRANGLE
(Latitude 38°45'-39°00'; longitude 90°45'-91°00')
Lincoln, St. Charles, and Warren Counties



1. ISOLATED BENCHMARKS (not shown on diagram) (by Charles La Rue in 1898)

Chantilly, in NE 1/4 sec. 24, T. 49 N., R. 1 E., in NW. corner of school-yard; iron post stamped "St L 634"	Feet 634.233
Troy, 15 ft. S. of E. entrance to courthouse, in face of water table, 3 ft. above ground; aluminum tablet stamped "St L 572"	572.424
Moscow Mills, in S. end of abutment of bridge over Cuivre River; aluminum tablet stamped "St L 461"	462.316
Flint Hill, in doorsill of stone building owned by Bernard Beller; aluminum bolt stamped "St L 551"	551.736
T. 49 N., R. 2 E., in NE 1/4 sec. 29, in yard of Smedley School; iron post stamped "St L 574"	574.797
Bals, in NW 1/4 sec. 10, T. 48 N., R. 2 E., in foundation of Catholic School; aluminum tablet stamped "St Louis 518"	518.167
T. 48 N., R. 1 W., near N. end of Wabash Ry. sta.; iron post stamped "St L 562"	562.666
Elizabeth Condor, on W. side of rd.; iron post stamped "St L 532"	533.221
Foristell, 3 mi. S. of, near E. quarter cor. sec. 1, T. 46 N., R. 1 W., on N. side of rd.; iron post stamped "St L 745"	743.783
Foristell, 0.2 mi. W. of, along Wabash Ry., in SE 1/4 sec. 24, T. 47 N., R. 1 W., in N. wall of stone culvert; aluminum bolt stamped "St L 695"	694.263
Dardenne, in sec. 2, T. 46 N., R. 2 E., in W. end of top of stone step of Catholic Church; chiseled cross	618.93

2. WEST ALONG NORTH BORDER OF QUADRANGLE (by L. V. Johnson in 1928)
(Continued from Brussels quadrangle; see line 2.)

Winfield, about 1 mi. W. of, about 0.2 mi. W. of curve in rd., 65 ft. E. of T-fence S., 10 ft. S. of rd., on W. end of head wall of concrete culvert; chiseled square	533.37
Winfield, about 1.5 mi. W. of, quarter cor. between secs. 22 and 23, T. 49 N., R. 2 E., 15 ft. N. and 20 ft. W. from crossroads, on head wall of concrete culvert; chiseled square	562.64
Winfield, 2 mi. W. of, center sec. 22, T. 49 N., R. 2 E., 20 ft. N. and 85 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 20 F 1928"	585.853
Reference mark, 30 ft. S. and 45 ft. W. from tablet, in top of fence post; copper nail and washer	587.92
Winfield, about 2.5 mi. W. of, near cor. secs. 21, 22, 27, and 28, T. 49 N., R. 2 E., 20 ft. S. and 10 ft. W. from center of bridge, in wooden support; copper nail and washer	468.65
Winfield, about 3.5 mi. W. of, cor. secs. 20, 21, 28, and 29, T. 49 N., R. 2 E., 15 ft. S. and 90 ft. E. from crossroads, in root on N. side of 12-in. oak tree; copper nail and washer	574.88
Winfield, 4.5 mi. W. of, 25 ft. N. and 20 ft. W. from T-rd. N. on line between secs. 19 and 20, T. 49 N., R. 2 E., in concrete post; standard tablet stamped "T T Sta No 19 F 1928"	613.393
Reference mark, 20 ft. S. and 150 ft. E. from crossroads, in root on NE. side of twin maple tree; copper nail and washer	614.92
Chantilly, in NE 1/4 NE 1/4 sec. 24, T. 49 N., R. 1 E., 10 ft. S. and 15 ft. W. from crossroads, on W. end of head wall of concrete culvert; chiseled square	635.92

(For balance in Elsberry quadrangle, see line 2.)

T. 49 N., R. 1 E., in NW 1/4 NW 1/4 sec. 23, 15 ft. N. and 60 ft. E. from center of concrete bridge over creek, on NE. concrete abutment; chiseled square	536.06
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T. 49 N., R. 1 E., in NW 1/4 NE 1/4 sec. 22, 35 ft. N. and 20 ft. E. from crossroads, on head wall of concrete culvert; chiseled square Feet
600.52

(For balance in Elsberry quadrangle, see line 2.)

Troy, 0.5 mi. E. and 0.3 mi. N. from, 30 ft. N. and 70 ft. E. from curve in rd., on W. end of N. head wall of concrete culvert; chiseled square 502.80
Troy, about 1 mi. N. of, along U.S. Highway 61, about 130 ft. S. of junction of rd. E., 10 ft. W. of highway, on concrete culvert; chiseled square 633.73

3. SOUTH ALONG WEST BORDER OF QUADRANGLE (by C. P. Thompson in 1935)
(Continued from Hermann No. 1 quadrangle; see line 3.)

Troy, 1 mi. W. of, along State Highway 47, in NW. cor. sec. 35, T. 49 N., R. 1 W., 25 ft. S. and 78 ft. E. from junction of rd. S. to Wright City on SW. corner of S. head wall of concrete culvert; chiseled square 595.49
Troy, 1 mi. W., thence 1 mi. S. from, 4 (2430) ft. N. and 30 ft. W. from SE. cor. sec. 34, T. 49 N., R. 1 W., 60 ft. N. of fence W., 30 ft. W. of rd., in root on SE. side of 40-in. elm tree; copper nail and washer 571.94
Troy, 1 mi. W., thence 2 mi. S. from, about 5 (2460) ft. W. of cor. secs. 2, 3, 10, and 11, T. 48 N., R. 1 W., 30 ft. E. of rd., in fence line, in root on NW. side of 10-in. oak tree; copper nail and washer 613.10
Troy, 1 mi. W., thence 2.6 mi. S. from, near center of E 1/2 sec. 10, T. 48 N., R. 1 W., 61 ft. W. of rd. fork W., 35 ft. S. of 15-in. elm tree, in fence corner, in concrete post; standard tablet stamped "T T 1731 E R A 1935 610" 609.814

(For balance in Hermann No. 1 quadrangle, see line 4.)

Wright City, 1 mi. E. of, along U.S. Highway 40, near N. sixteenth cor. between secs. 22 and 23, T. 47 N., R. 1 W., 118 ft. S. and 13 ft. W. from N.-S. cross rd., 13 ft. S. of Wabash Ry., on W. end of 12-in. tile culvert; (mark not described) 730.81
Wright City, 1 mi. E., thence 0.8 mi. S. from, near W. sixteenth cor. between secs. 23 and 26, T. 47 N., R. 1 W., 137 ft. S. and 16 ft. W. from rd. fork E., on E. end of S. head wall of concrete bridge over creek; chiseled square 663.08
Wright City, 1 mi. E., thence 2 mi. S. from, in SE 1/4 SW 1/4 sec. 26, T. 47 N., R. 1 W., 10 ft. S. and 25 ft. E. from E. gate to yard of J. Minger, 5 ft. N. of fence, on S. side of rd., in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 1735 E R A 1935" 753.797
Wright City, 1 mi. E., thence 3.3 mi. S. from, N. quarter cor. sec. 2, T. 46 N., R. 1 W., 36 ft. S. and 70 ft. E. from T-rd. N., 36 ft. S. and 10 ft. E. from T-rd. S., on E. end of 18-in. galvanized iron pipe culvert; (mark not described) 762.58
Wright City, 1 mi. E., thence 4.5 mi. S. from, about 700 ft. S. of quarter cor. between secs. 2 and 11, T. 46 N., R. 1 W., 10 ft. E. of rd., on center of E. head wall of concrete culvert; chiseled square 790.87
Wright City, 1 mi. E., thence 4.8 mi. S. from, 0.1 mi. N. of center sec. 11, T. 46 N., R. 1 W., 40 ft. N. and 28 ft. W. from T-rd. W., in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 1736 E R A 1935" 829.069

(Continued in O'Fallon No. 3 quadrangle; see line 4.)

4. FROM POINT NEAR MIDDLE OF WEST BORDER OF QUADRANGLE EAST ABOUT 7 MILES

(Continued from Hermann No. 1 quadrangle; see line 2.)

T. 48 N., R. 1 W., near E. sixteenth cor. sec. 27, 39 ft. N. and 11 ft. W. from crossroads, in root on S. side of 24-in. oak tree; copper nail and washer 612.86
T. 48 N., R. 1 W., near center sec. 26, near rd. corner from S.-W., 40 ft. N. and 25 ft. E. from junction of private rd. NE., in small group of trees, in root on SE. side of 6-in. oak tree; copper nail and washer 501.29
T. 48 N., R. 1 W., 0.3 mi. E. of cor. secs. 25, 26, 35, and 36, 14 ft. E. of T-rd. W., 4 ft. N. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 1751 E R A 1935" 560.199
T. 48 N., R. 1 W., in SW 1/4 sec. 36, 30 ft. S. and 21 ft. E. from T-rd. E., in root on E. side of 16-in. water-oak tree; copper nail and washer 606.74
T. 48 N., R. 1 E., near center of SW 1/4 sec. 31, 95 ft. S. of T-rd. W., 80 ft. N. of T-rd. E., 17 ft. E. of rd., in root on N. side of 18-in. maple tree; copper nail and washer 591.27
Grothe School, near center sec. 32, T. 48 N., R. 1 E., 17 ft. W. of rd., 16 ft. S. and 4 ft. W. from fence corner, in NE. corner of schoolyard, in concrete post; standard tablet stamped "T T 1752 E R A 1935" 568.873
T. 48 N., R. 1 E., N. sixteenth cor. between secs. 32 and 33, near farmhouse of Charles Morris, NW. of U.S. Highway 61 at rd. W., on center of N. head wall of concrete culvert; chiseled square 467.76
U.S.C. & G.S. standard disk stamped "X 149 1935" 469.113

5. NEAR MIDDLE OF SOUTH HALF OF EAST BORDER OF QUADRANGLE (by
A. R. Friend in 1936-37)

Gilmore, 3 mi. E. of, along U.S. Highway 40, 0.3 mi. S. of cor. secs. 23, 24, 25, and 26, T. 47 N., R. 2 E., 28 ft. S. of highway, 2 ft. N. and 11 ft. E. from gatepost at fence corner, in concrete post; standard tablet stamped "T T 59 C 1936"	Feet 559.245 553.38
T-rd. S., in root on E. side of 12-in. white-oak tree; crossed nails	

(Continued in Brussels quadrangle; see line 5.)

6. FROM POINT NEAR CENTER OF EAST BORDER OF QUADRANGLE, WEST TO
FLINT HILL

T. 47 N., R. 2 E., near E. sixteenth cor. sec. 11, on top of abutment at NW. corner of concrete bridge over small creek; chiseled square	500.76
T. 47 N., R. 2 E., quarter cor. between secs. 10 and 11, 35 ft. N. and 50 ft. E. from crossroads, in root on SE. side of 14-in. wild-cherry tree; copper nail and washer	582.79
Josephville, 0.8 mi. N. of, in NE 1/4 sec. 9, T. 47 N., R. 2 E., 50 ft. E. of crossroads, 4 ft. N. of rail fence, in concrete post; standard tablet stamped "T T 1754 E R A 1935"	579.284
Josephville, about 1.6 mi. NW. of, in NW 1/4 sec. 9, T. 47 N., R. 2 E., 30 ft. N. and 150 ft. W. from crossroads, in root on S. side of 10-in. cedar tree; copper nail and washer	581.69
Junction of private rd. S., in root on W. side of 14-in. white-oak tree; crossed nails	580.14
Flint Hill, 1.8 mi. E. of, 64 ft. N. and 60 ft. W. from SW. corner of dwelling of T. Hoeber (formerly general store), 7 ft. S. of NW. corner of garden, in concrete post; standard tablet stamped "T T 1753 E R A 1935"	450.611
Junction of private rd. to farmhouse, on E. end of concrete culvert; chiseled square	542.48
Flint Hill, about 0.5 mi. E. of, 20 ft. N. and 130 ft. W. from T-rd. N., in root on S. side of 12-in. wild-cherry tree; copper nail and washer	564.25
Flint Hill, at E. edge of, on W. retaining wall of concrete bridge; chiseled square	512.89
U.S.C. & G.S. standard disk stamped "A 150 1935"	474.228

7. NEAR MIDDLE OF SOUTH BORDER OF QUADRANGLE

Wentzville, about 5 mi. S. of, along County Route Z, 50 ft. N. and 75 ft. W. from junction of Dyer rd. W., in root on S. side of 30-in. white-oak tree; copper nail and washer	608.08
County Route Z at rd. E., in root on W. side of 7-in. hickory tree; crossed nails	711.66

(Continued in O'Fallon No. 3 quadrangle; see line 6.)

8. FROM POINT 3 MILES EAST OF GILMORE, SOUTHEAST TO SOUTH BORDER
OF QUADRANGLE

U.S. Highway 40 at private rd. S., on ledge; chiseled square	496.00
Dardenne, 0.5 mi. W., thence 2 mi. N. from, on top of masonry at SE. corner of bridge over Perque Creek; chiseled square	486.43
T-rd. W., in root of 24-in. white-oak tree; crossed nails	568.31
Dardenne, 0.5 mi. W., thence 1 mi. N. from, 180 ft. N. of rd. forks, on NE. wing wall of concrete bridge; chiseled square	523.79
Dardenne, cor. secs. 1, 2, 11, and 12, T. 46 N., R. 2 E., 31 ft. N. and 20 ft. W. from crossroads, 49 ft. S. of SE. corner of Catholic Church, between sidewalk and picket fence, in concrete post; standard tablet stamped "T T 60 C 1936"	616.452
Dardenne, 1 mi. S. of, 640 ft. S. and 20 ft. W. from U.S. Highway 40 at rd. N., in root on W. side of 16-in. black-oak tree; copper nail and washer	585.51

(Continued in O'Fallon No. 3 quadrangle; see line 7.)

9. FROM POINT ABOUT 1 MILE WEST OF WENTZVILLE SOUTH TO SOUTH BORDER
OF QUADRANGLE, THENCE WEST TO SOUTHWEST CORNER

U.S.C. & G.S. standard disk stamped "Y 148 1935"	641.731
U.S.C. & G.S. standard disk stamped "Z 148 1935"	632.702
Wentzville, near E. limits of, in SW. part of triangle formed by junction of U.S. Highways 40 and 61, 46 ft. N. of Highway 40, 45 ft. E. of Highway 61, 2 ft. N. and 1 ft. E. from transmission-line pole, in concrete post; standard tablet stamped "T T 62 C 1936"	616.771
Wentzville, about 1 mi. SW. of, along County Route Z, on top of concrete at SE. corner of bridge over Perque Creek; chiseled square	535.83
Wentzville, about 2 mi. SW. of, along County Route Z, in NE 1/4 sec. 36, T. 47 N., R. 1 E., 120 ft. S. and 80 ft. W. from junction of rd. E., in root on N. side of 36-in. water-oak tree; copper nail and washer	638.98
Wentzville, 2.5 mi. SW. of, along County Route Z, 25 ft. S. and 25 ft. E. from E.-W. cross rd., in root on E. side of 12-in. wild-cherry tree; copper nail and washer	621.22

Wentzville, 3 mi. S. of, near center sec. 1, T. 46 N., R. 1 E., 308 ft. E. of County Route Z at Boonslick Road, 30 ft. N. and 30 ft. W. from granite monument marked "Boonslick Road, Daniel Boone's Home", at junction of rd. N., in concrete post; standard tablet stamped "T T 63 C 1936"	Feet 675.278
County Route Z at Buckner rd., on N. end of iron pipe culvert; painted cross	680.34
T. 46 N., R. 1 E., quarter cor. between secs. 10 and 15, 120 ft. N. and 18 ft. E. from T-rd. E., in root on E. side of 20-in. elm tree; copper nail and washer	708.44
T. 46 N., R. 1 E., in SW 1/4 NW 1/4 sec. 10, 12 ft. N. and 85 ft. W. from T-rd. W., in root on W. side of 10-in. cedar tree; copper nail and washer	710.16
T. 46 N., R. 1 E., E. sixteenth cor. sec. 9, 40 ft. S. and 37 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 81 C 1936"	720.826
T. 46 N., R. 1 E., quarter cor. between secs. 8 and 9, near Oakdale School, 9 ft. N. and 18 ft. E. from T-rd. E., on N. head wall of concrete culvert; chiseled square	695.29
T. 46 N., R. 1 E., W. quarter cor. sec. 7, 10 ft. S. and 30 ft. W. from County Route T at rd. E., on Fifth Principal Meridian, in concrete post; standard tablet stamped "T T 82 C 1936"	811.367

(Continued in O'Fallon No. 3 quadrangle; see line 8.)

10. EAST ALONG EAST HALF OF SOUTH BORDER OF QUADRANGLE

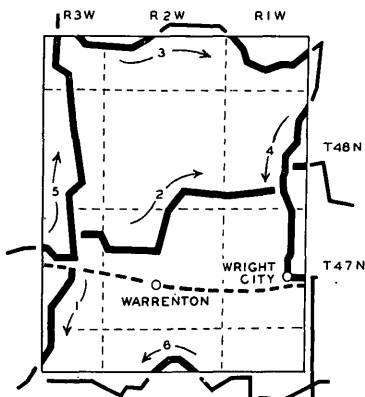
Wentzville, about 4.5 mi. SE. of, on N. side of Boonslick Road, in front yard of P. C. Todehbusch, in root on S. side of 12-in. cedar tree; copper nail and washer	664.82
Wentzville, 5.4 mi. SE. of, near junction of Boonslick Road and rd. N., on SE. corner of concrete porch of Pond Fort School; chiseled square	650.31
Dardenne, 3.7 mi. W. of, 23 ft. S. and 24 ft. E. from T-rd. E., 4 ft. N. and 5 ft. E. from twin 12-in. elm tree, in concrete post; standard tablet stamped "T T 80 C 1936"	601.029
Dardenne, 2.8 mi. W. of, 15 ft. N. and 72 ft. E. from junction of private rd. N. to farmhouse, 1 ft. N. of fence, in root on SW. side of 18-in. wild-cherry tree; copper nail and washer	648.73
Crossroads, on N. end of iron pipe culvert; painted cross	641.72
Dardenne, 2 mi. W. of, 10 ft. N. and 10 ft. E. from junction of private rd. N., on S. end of concrete head wall of iron pipe culvert; chiseled square	601.31
Dardenne, about 1 mi. W. of, 45 ft. S. and 25 ft. E. from junction of Boonslick Road SW. and E.-W. rd., in root on E. side of 8-in. pin-oak tree; copper nail and washer	622.90
Dardenne, about 0.5 mi. W. of, 55 ft. S. and 70 ft. E. from U.S. Highway 40 at E.-W. rd., on E. concrete head wall of tile culvert; chiseled square	608.74

(Continued in Brussels quadrangle; see line 4.)

For additional level lines along Wabash Ry. and U.S. Highway 61, refer to United States Coast and Geodetic Survey second-order lines, Hurdland to St. Charles and Wentzville to Bowling Green.

HERMANN NO. 1 QUADRANGLE
(Latitude 38°45'-39°00'; longitude 91°00'-91°15')

Lincoln and Warren Counties



1. FROM POINT NEAR MIDDLE OF WEST BORDER OF QUADRANGLE, SOUTH AND WEST TO WEST BORDER (by C. P. Thompson in 1935)

Jonesburg, 4.5 mi. E. of, along U.S. Highway 40, in SW 1/4 NW 1/4 sec. 14, T. 47 N., R. 3 W., 51 ft. N. and 45 ft. E. from junction of County Route A, in concrete post; standard tablet stamped "T T 692 E R A 1935"	Feet 884.435
Pendleton, 0.5 mi. E. of, cor. secs. 14, 15, 22, and 23, T. 47 N., R. 3 W., 18 ft. S. and 18 ft. E. from T-rd. E., on S. end of galvanized iron pipe culvert; (mark not described)	910.51
U.S.C. & G.S. standard disk stamped "K 148 1935"	919.198
Pendleton, 1.1 mi. S. of, E. sixteenth cor. between secs. 22 and 27, T. 47 N., R. 3 W., 21 ft. S. of rd. forks, on N. end of galvanized iron pipe culvert; (mark not described)	939.69
Pendleton, 2.3 mi. S. of, W. sixteenth cor. between secs. 27 and 34, T. 47 N., R. 3 W., 66 ft. S. and 19 ft. W. from junction of private rd. SE., in root on E. side of 12-in. white-oak tree; copper nail and washer	895.87
Pendleton, 3.5 mi. S. of, in SW 1/4 SW 1/4 sec. 34, T. 47 N., R. 3 W., 25 ft. E. of rd., in SW. corner of yard of Robert Wallace, 1 ft. N. and 5 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 1757 E R A 1935"	887.783
Pendleton, 4.6 mi. SW. of, in NE 1/4 sec. 4, T. 46 N., R. 3 W., 34 ft. W. of junction of private drive to farmhouse of Mrs. Catharina Koellin, in pasture, in root on E. side of 22-in. white-oak tree; copper nail and washer	873.37

(Continued in Hermann No. 2 quadrangle; see line 4.)

2. EAST THROUGH CENTER OF QUADRANGLE

T. 47 N., R. 3 W., in SE 1/4 SE 1/4 sec. 11, 22 ft. N. and 96 ft. E. from T-rd. N., in NE. corner of yard of Carl Engle, in root on N. side of 12-in. catalpa tree; copper nail and washer	869.88
T. 47 N., R. 2 W., W. cor. secs. 7 and 18, 8 ft. S. and 15 ft. W. from rd. corner S.-E., in root on N. side of 14-in. hickory tree; copper nail and washer	779.42
Warrenton, 3.8 mi. NW. of, quarter cor. between secs. 7 and 18, T. 47 N., R. 2 W., 25 ft. S. and 19 ft. E. from T-rd. W., in concrete post; standard tablet stamped "T T 1728 E R A 1935"	826.404
Warrenton, 3.3 mi. NW. of, in SW 1/4 sec. 8, T. 47 N., R. 2 W., at school, on SE. corner of bottom concrete step; chiseled square	809.63
Warrenton, 2.2 mi. N. of, center of SW 1/4 sec. 9, T. 47 N., R. 2 W., 15 ft. S. and 57 ft. E. from junction of private rd. N., in root of 20-in. oak tree; copper nail and washer	808.82
Warrenton, 3 mi. N. of, along State Highway 47, in NE 1/4 NE 1/4 sec. 9, T. 47 N., R. 2 W., 18 ft. S. and 38 ft. W. from junction of rd. NW., in concrete post; standard tablet stamped "T T 1729 E R A 1935"	783.985
Warrenton, 3.6 mi. N. of, along State Highway 47, quarter cor. between secs. 3 and 4, T. 47 N., R. 2 W., 87 ft. S. and 25 ft. W. from junction of rd. E., at front gate to stone church, on SE. corner of stone walk; chiseled square	777.78
Warrenton, 4 mi. NE. of, on line between secs. 3 and 34, Tps. 47 and 48 N., R. 2 W., 45 ft. N. and 21 ft. E. from rd. corner W.-N., in root on N. side of 20-in. oak tree; copper nail and washer	757.08
Warrenton, 6.3 mi. NE. of, in SW 1/4 sec. 26, T. 48 N., R. 2 W., 11 ft. N. and 37 ft. E. from rd. fork E., 1 ft. N. and 8 ft. E. from telephone pole, in concrete post; standard tablet stamped "T T 1730 E R A 1935"	741.899

T. 48 N., R. 2 W., near center of NW 1/4 sec. 36, 90 ft. SE. of ford across Hickory Lick Creek, in root on W. side of 12-in. twin oak tree; copper nail and washer	Feet 590.33
T. 48 N., R. 2 W., E. sixteenth cor. sec. 36, 63 ft. W. of rd. corner S.-W., in N. side of 20-in. white-oak tree; copper nail and washer	714.56
T. 48 N., R. 1 W., sec. 31, 528 ft. N. of stone at W. sixteenth cor. on S. line of, 40 ft. S. and 36 ft. W. from rd. at fence N., 56 ft. N. and 6 ft. E. from NE. corner of dwelling of Mrs. E. Creech, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 1738 E R A 1935"	732.062
T. 48 N., R. 1 W., E. sixteenth cor. sec. 31, 480 ft. N. of rd. corner N.-W., 24 ft. W. of rd., at entrance to farmhouse of Fritz Muelles, on S. end of iron culvert; (mark not described)	700.98
T. 48 N., R. 1 W., near quarter cor. between secs. 29 and 32, at entrance to church, on SW. corner of second step; chiseled square	684.99
T. 48 N., R. 1 W., in NE 1/4 SW 1/4 sec. 28, in front yard of Lizzie Strathman, in root on W. side of 20-in. maple tree; copper nail and washer	646.55
Wright City, 5.8 mi. N. of, near quarter cor. between secs. 27 and 28, T. 48 N., R. 1 W., 20 ft. N. and 28 ft. W. from T-rd. N., 6 ft. N. and 1 ft. E. from SE. corner of iron fence around yard of Doar Church, in concrete post; standard tablet stamped "T T 1732 E R A 1935 536"	535.084

(Continued in O'Fallon No. 2 quadrangle; see line 4.)

3. EAST ALONG NORTH BORDER OF QUADRANGLE

Truxton, 1.3 mi. SE. of, in NW 1/4 NW 1/4 sec. 26, T. 49 N., R. 3 W., at main entrance to Zion Methodist Church, on NE. corner of concrete step; chiseled square	721.78
Truxton, 2.2 mi. SE. of, on line between secs. 25 and 26, T. 49 N., R. 3 W., 50 ft. E. of N.-S. fence, 30 ft. S. of rd., in NE. corner of cemetery, in root on W. side of 10-in. wild-cherry tree; copper nail and washer	664.06
Truxton, 3 mi. SE. of, near quarter cor. between secs. 24 and 25, T. 49 N., R. 3 W., on S. end of E. concrete abutment of bridge over Camp Branch; chiseled square	586.51
Truxton, 3.5 mi. E. of, in N 1/2 sec. 30, T. 49 N., R. 2 W., 22 ft. S. of T-rd. N., in concrete post; standard tablet stamped "T T Sta No 13 F 1928"	695.553
Reference mark, 18 ft. N. and 80 ft. E. from tablet, on W. end of N. head wall of concrete culvert; chiseled square	695.39
T. 49 N., R. 2 W., W. sixteenth cor. between secs. 20 and 29, 110 ft. N. and 175 ft. W. from T-rd. W., on SE. corner of bottom concrete step to schoolhouse; chiseled square	674.27
T. 49 N., R. 2 W., center of SE 1/4 sec. 20, 13 ft. N. and 12 ft. W. from T-rd. W., on center of N. head wall of concrete culvert; chiseled square	666.92

(For balance in Louisiana No. 4 quadrangle, see line 5.)

Troy, 4.5 mi. W. and 1.2 mi. N. from, about 765 ft. E. of W. quarter cor. sec. 19, T. 49 N., R. 1 W., 200 ft. N. and 110 ft. E. from dwelling of Harrison Crouch, 40 ft. S. and 30 ft. E. from rd. fork E., in concrete post; standard tablet stamped "T T Sta No 15 F 1928"	597.059
Troy, 4.5 mi. W. of, W. sixteenth cor. sec. 30, T. 49 N., R. 1 W., 25 ft. N. and 21 ft. E. from rd. corner N.-E., in root on E. side of 14-in. elm tree; copper nail and washer	707.27
Troy, 5 mi. W. of, along State Highway 47, near center of NW 1/4 sec. 31, T. 49 N., R. 1 W., 45 ft. N. and 18 ft. W. from junction of rd. N., on E. end of 12-in. tile culvert; (mark not described)	698.23
Troy, 3.8 mi. W. of, along State Highway 47, in NW 1/4 sec. 32, T. 49 N., R. 1 W., 690 ft. E. of junction of rd. S., 20 ft. N. of highway, on NW. corner of N. head wall of concrete culvert; chiseled square	668.11
Troy, 3 mi. W. of, along State Highway 47, 35 ft. N. and 20 ft. W. from crossroads on line between secs. 32 and 33, T. 49 N., R. 1 W., in concrete post; standard tablet stamped "T T Sta No 16 F 1928"	679.594
Troy, 2 mi. W. of, along State Highway 47, near N. cor. secs. 33 and 34, T. 49 N., R. 1 W., 25 ft. S. and 10 ft. E. from junction of rd. S., on iron band at E. end of galvanized iron pipe culvert; (mark not described)	656.58

(Continued in O'Fallon No. 2 quadrangle; see line 3.)

4. SOUTH ALONG MIDDLE OF EAST BORDER OF QUADRANGLE

(Continued from O'Fallon No. 2 quadrangle; see line 3.)

Troy, 1 mi. W., thence 3.5 mi. S. from, N. sixteenth cor. sec. 15, T. 48 N., R. 1 W., 75 ft. N. and 12 ft. E. from T-rd. E., on center of E. head wall of concrete culvert; chiseled square	650.60
Troy, 1 mi. W., thence 4.5 mi. S. from, in NW 1/4 NW 1/4 sec. 22, T. 48 N., R. 1 W., about 300 ft. S. of ford across Coon Creek, 250 ft. N. of farmhouse of H. A. Evermeyer, 30 ft. N. of barnlot gate, 20 ft. W. of rd., in root on N. side of 10-in. walnut tree; copper nail and washer	506.40
T. 48 N., R. 1 W., near center of SW 1/4 sec. 22, on upstream side of cylinder pier of bridge over Big Creek, in top of plate, on westernmost rivet; chiseled cross	509.87

Wright City, 4.6 mi. N. of, 40 ft. S. and 260 ft. E. from quarter cor. between secs. 33 and 34, T. 48 N., R. 1 W., 40 ft. S. and 10 ft. W. from rd. at E.-W. fences, in root on NE. side of 24-in. hackberry tree; copper nail and washer	Feet 675.65
Wright City, 3.5 mi. N. of, near N. sixteenth cor. sec. 3, T. 47 N., R. 1 W., 22 ft. N. and 24 ft. E. from rd. fork W., near fence corner, in root on N. side of 14-in. white-oak tree; copper nail and washer	642.09
Wright City, 3 mi. N. of, near center of E 1/2 sec. 3, T. 47 N., R. 1 W., 20 ft. N. and 20 ft. E. from junction of rd. to farm of Otto Schemmer, 11 ft. N. and 12 ft. W. from 18-in. walnut tree used as gatepost, in concrete post; standard tablet stamped "T T 1733 E R A 1935"	558.914
Wright City, 1.5 mi. N. of, near center of NW 1/4 SE 1/4 sec. 10, T. 47 N., R. 1 W., 8 ft. E. of rd., on center of E. head wall of concrete culvert; chiseled square	564.92
Wright City, 0.8 mi. N. of, W. sixteenth cor. between secs. 10 and 15, T. 47 N., R. 1 W., at entrance to Negro Methodist Church, 200 ft. S. of E.-W. fence, in root of 8-in. oak tree; copper nail and washer	696.79
Wright City, at junction of U.S. Highway 40 and Cherry Street, 129 ft. E. of Cherry Street, 17 ft. S. of highway, in concrete curb, 12 ft. N. of end; standard tablet stamped "T T 1734 E R A 1935"	717.864
U.S.C. & G.S. standard disk stamped "T 148 1935"	731.055

(Continued in O'Fallon No. 2 quadrangle; see line 3.)

5. NORTH ALONG NORTH HALF OF WEST BORDER OF QUADRANGLE (by J. H. Vinyard in 1935)

(Continued from Hermann No. 2 quadrangle; see line 2.)

Jonesburg, 2.8 mi. E. of, on U.S. Highway 40, in S 1/2 sec. 9, T. 47 N., R. 3 W., near junction of rd. N., near Bungalow Camp, on E. head wall of culvert; chiseled square	886.45
Pendleton, 1 mi. N. of, on U.S. Highway 40, in NE. cor. sec. 15, T. 47 N., R. 3 W., near N.-S. cross rd., on E. end of bottom step of Gardemann general store; chiseled square	894.67
Pendleton, 2 mi. N. of, along County Route A, W. sixteenth cor. between secs. 2 and 11, T. 47 N., R. 3 W., near junction of rd. E., on E. head wall of culvert; chiseled square	844.58
Pendleton, 2.8 mi. N. of, along County Route A, in NW 1/4 sec. 2, T. 47 N., R. 3 W., near curve in highway at junction of lane W., in fence post at NW. corner; crossed nails	849.88
Pendleton, 3 mi. N. and 1 mi. E. from, along County Route A, approximate quarter cor. between secs. 2 and 35, Tps. 47 and 48 N., R. 3 W., SW. of E.-W. cross rd., in top of fence post at SW. corner; copper nail and washer	844.22
Pendleton, 3.5 mi. N. and 1 mi. E. from, on County Route A, 32 ft. S. and 30 ft. E. from highway at fences E.-W. at center sec. 35, T. 48 N., R. 3 W., in concrete post; standard tablet stamped "T T 693 E R A 1935"	815.270
Reference mark, 30 ft. N. of tablet, in root of 18-in. elm tree; copper nail and washer	815.28
Pendleton, 4 mi. N. and 1 mi. E. from, along County Route A, center of SE 1/4 sec. 26, T. 48 N., R. 3 W., SE. of curve in highway from W.-N., in root of twin elm tree; copper nail and washer	808.19
Pendleton, 4.5 mi. N. and 1 mi. E. from, along County Route A, E. sixteenth cor. between secs. 23 and 26, T. 48 N., R. 3 W., 125 ft. S. of cross rd., on W. side of highway, in root of 18-in. elm tree; copper nail and washer	798.41
New Truxton, 4.2 mi. S. and 1 mi. E. from, along County Route A, in NE 1/4 sec. 23, T. 48 N., R. 3 W., opposite junction of rd. E., in group of soft-maple trees, in stump; copper nail and washer	779.14
New Truxton, 3.5 mi. S. of, along County Route A, E. sixteenth cor. sec. 14, T. 48 N., R. 3 W., 34 ft. S. and 22 ft. E. from highway at fence N., in line with highway from S.-W., in concrete post; standard tablet stamped "T T 694 E R A 1935"	778.461
Reference mark, 900 ft. W. of tablet, in root of 40-in. elm tree; copper nail and washer	766.83
New Truxton, 3 mi. S. of, along County Route A, in NW 1/4 sec. 14, T. 48 N., R. 3 W., 200 ft. N. of junction of rd. W., in pasture, in root of 15-in. hickory tree; copper nail and washer	761.53
New Truxton, 2.2 mi. S. of, along County Route A, in NW 1/4 sec. 11, T. 48 N., R. 3 W., near junction of rd. E., opposite school, in root of 18-in. maple tree; crossed nails	751.83
New Truxton, 2 mi. S. of, along County Route A, W. sixteenth cor. on S. line sec. 35, T. 49 N., R. 3 W., 52 ft. S. and 70 ft. E. from highway at fences E.-W., in concrete post; standard tablet stamped "T T 695 E R A 1935"	737.667
Reference mark, 150 ft. N. of tablet, in root of 30-in. black-oak tree; staples	734.48
New Truxton, 1.2 mi. SE. of, along County Route A, near quarter cor. between secs. 34 and 35, T. 49 N., R. 3 W., at N. end of W. truss bridge over creek, in bearing plate; top of rivet	617.02
New Truxton, 0.5 mi. E. of, along County Route A, near NW. cor. sec. 35, T. 49 N., R. 3 W., at overhead crossing of Chicago, Burlington & Quincy R.R., on N. side of track, on W. head wall of culvert; chiseled square	676.46
New Truxton, in SW 1/4 sec. 27, T. 49 N., R. 3 W., SW. of crossroads, in root of 10-in. maple tree; copper nail and washer	720.67
Truxton, 1 mi. S. of, W. sixteenth cor. between secs. 22 and 27, T. 49 N., R. 3 W., on E. side of rd., in root of 10-in. elm tree; nail and washer	724.66

6. NEAR MIDDLE OF SOUTH BORDER OF QUADRANGLE (by A. R. Friend in 1936-37)

(Continued from Hermann No. 4 quadrangle; see line 5.)

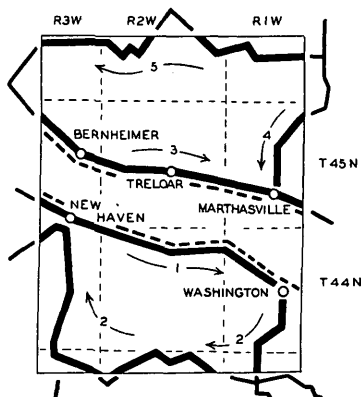
T. 46 N., R. 2 W., in NW 1/4 SE 1/4 sec. 9, 25 ft. S. end 15 ft. W. from rd. forks, in fence line, in root on W. side of 10-in. cedar tree; copper nail and washer	Feet 869.66
T. 46 N., R. 2 W., near W. sixteenth cor. sec. 9, 14 ft. N. and 42 ft. E. from State Highway 47 at rd. E., in root on S. side of 10-in. persimmon tree; copper nail and washer	900.85
State Highway 47 at cross rd., in brace of fence post; crossed nails	916.78

(Continued in Hermann No. 4 quadrangle; see line 5.)

For an additional level line along Wabash Railway, refer to United States Coast and Geodetic Survey second-order line, Hurdland to St. Charles.

HERMANN NO. 4 QUADRANGLE
(Latitude 38°30'-38°45'; longitude 91°00'-91°15')

Franklin and Warren Counties



1. FROM WEST BORDER OF QUADRANGLE, SOUTHEAST ALONG MISSOURI PACIFIC RAILROAD AND STATE HIGHWAY 100 TO EAST BORDER (by C. P. Thompson in 1935)

(Continued from Hermann No. 3 quadrangle; see line 4.)

New Haven, 1.7 mi. NW. of, along Missouri Pacific R.R., 45 ft. S. and about 160 ft. W. from center of double track at signal box, in top of concrete head wall of abandoned stone bridge; standard tablet stamped "T T 961 C 1935 510"	509.895
New Haven, 0.7 mi. NW. of, along Missouri Pacific R.R., 150 ft. E. of milepost 68, about 150 ft. S. of mouth of creek, on SE. corner of concrete base of semaphore; chiseled square	509.53
U.S.C. & G.S. B.M. designated "B+B M ₃ 1882"	509.189
U.S.C.E. B.M. designated "60=18/1"	
Copper bolt	503.847
New Haven, 0.5 mi. S. of, near N. cor. secs. 1 and 2, T. 44 N., R. 3 W., 39 ft. N. and 6 ft. W. from junction of State Highway 100 and County Route C, in concrete post; standard tablet stamped "T T 953 C 1934 628"	628.024
Reference mark, 10 ft. S. and 225 ft. W. from tablet, on E. end of 12-in. galvanized iron pipe culvert; (mark not described)	637.75
New Haven, 1 mi. E. of, along State Highway 100, in NE 1/4 sec. 1, T. 44 N., R. 3 W., 20 ft. S. and 10 ft. W. from junction of private rd. S., on W. end of galvanized iron pipe culvert; painted square	662.42
New Haven, 2.1 mi. E. of, along State Highway 100, about 500 ft. E. of quarter cor. between secs. 5 and 6, T. 44 N., R. 2 W., 45 ft. S. of highway, at fence corner, in root on NE. side of 20-in. wild-cherry tree; copper nail and washer	630.08
New Haven, 3 mi. E. of, along State Highway 100, about 300 ft. S. of dwelling of A. Bucholtz, 35 ft. S. and 10 ft. W. from cross rd., in concrete post; standard tablet stamped "T T 962 C 1935 582"	581.777
New Haven, 3.9 mi. E. of, along State Highway 100, quarter cor. between secs. 4 and 9, T. 44 N., R. 2 W., 45 ft. S. of highway at fence S., in root on N. side of 18-in. wild-cherry tree; copper nail and washer	582.28
New Haven, 4.8 mi. E. of, along State Highway 100, center of NE 1/4 sec. 10, T. 44 N., R. 2 W., about 800 ft. S. of large brick dwelling, 20 ft. N. and 15 ft. E. from private cross rd., on E. end of N. head wall of concrete culvert; chiseled square	545.21

New Haven, 5.5 mi. E. of, along State Highway 100, 230 ft. N. and 240 ft. E. from cor. secs. 2, 3, 10, and 11, T. 44 N., R. 2 W., in NE. corner of concrete floor of highway bridge over Little Boeuf Creek; standard tablet stamped "T T 963 C 1935"	Feet 500.297
Dundee, about 0.5 mi. E. of, along Missouri Pacific R.R., near quarter cor. between secs. 2 and 3, T. 44 N., R. 2 W., near milepole 61.30, on S. side of track, on corner of concrete base of semaphore; chiseled square	500.94
U.S.C.E. B.M. designated "55" Copper bolt	502.282
Washington, 6.1 mi. W. of, along Missouri Pacific R.R., 180 ft. E. of milepole 60.20, on S. side of track, on SE. corner of concrete base of semaphore; chiseled square	500.60
Washington, 5 mi. W. of, along Missouri Pacific R.R., 0.6 mi. E. of milepost 60, 15 ft. S. of center of double track, in head wall of concrete culvert; standard tablet stamped "T T 964 C 1935 498"	497.880
Washington, 4.2 mi. W. of, along Missouri Pacific R.R., 100 ft. E. of rd. crossing, near milepole 58.20, on top of SE. bolt in concrete base of semaphore 585-R; chiseled cross	494.30
Washington, 3 mi. W. of, along Missouri Pacific R.R., about 500 ft. W. of milepost 57, on SE. corner of concrete base of semaphore 558-DL; chiseled cross	494.01
Washington, 2.1 mi. NW. of, along Missouri Pacific R.R., in N. end of E. head wall of concrete culvert; standard tablet stamped "T T 965 C 1935 497"	497.509
Washington, about 1 mi. W. of, along Missouri Pacific R.R., 300 ft. E. of milepole 55.20, 200 ft. W. of rd. crossing, on SW. corner of concrete base of semaphore; chiseled square	492.44
U.S.C. & G.S. B.M. designated "L3 1882"	545.468

2. FROM WASHINGTON SOUTH ALONG EAST BORDER OF QUADRANGLE TO SOUTH-EAST CORNER, THENCE WEST ALONG SOUTH BORDER TO SOUTHWEST CORNER, THENCE NORTH ALONG SOUTH HALF OF WEST BORDER TO NEW HAVEN

Washington, 22 ft. S. and 12 ft. W. from intersection of Lafayette and Fifth Street (junction of State Highways 47 and 100), 1 ft. S. of sidewalk, in concrete post; standard tablet stamped "T T 966 C 1935 568"	567.778
Washington, 1 mi. S. of, along County Route A, center of NW 1/4 sec. 27, T. 44 N., R. 1 W., on N. end of second step to entrance of Catholic Cemetery; chiseled square	628.20
Washington, 2 mi. S. of, along County Route A, in NE 1/4 sec. 33, T. 44 N., R. 1 W., 10 ft. S. and 35 ft. W. from cross rd., in NE. corner of Lutheran Cemetery, in root on S. side of 8-in. maple tree; copper nail and washer	672.27
Washington, 2.4 mi. S. of, along County Route A, in E 1/2 sec. 33, T. 44 N., R. 1 W., 20 ft. N. and 25 ft. W. from junction of rd. SE., in concrete post; standard tablet stamped "T T 967 C 1935 695"	694.707
Washington, 3.5 mi. S. of, along County Route A, in NW 1/4 sec. 4, T. 43 N., R. 1 W., 20 ft. S. of highway at entrance to farm of Frances K. Riegel, on E. end of galvanized iron pipe culvert; (mark not described)	728.07
Krakow, 0.4 mi. N. of, along County Route A, near SE. cor. sec. 5, T. 43 N., R. 1 W., 20 ft. W. of highway, on W. end of 18-in. tile culvert; painted square	780.05

(For balance in Sullivan No. 1 quadrangle, see line 6.)

Clover Bottom, 0.6 mi. E. of, in SE 1/4 sec. 2, T. 43 N., R. 2 W., 25 ft. N. and 22 ft. E. from rd. fork NW., 3 ft. E. of fence, in concrete post; standard tablet stamped "T T 971 C 1935 537"	537.163
Clover Bottom, in SW 1/4 sec. 2, T. 43 N., R. 2 W., 10 ft. N. and 16 ft. E. from T-rd. N., on W. end of retaining wall of cemetery fence; chiseled square	688.49
T. 43 N., R. 2 W., center sec. 3, 20 ft. N. and 10 ft. E. from T-rd. N., on E. end of concrete culvert; chiseled square	546.80
T. 43 N., R. 2 W., quarter cor. between secs. 3 and 4, 25 ft. N. and 8 ft. E. from rd. at fence N., on land owned by Martin Leaker, in concrete post; standard tablet stamped "T T 972 C 1935 645"	645.239
Reference mark, 35 ft. S. and 10 ft. W. from tablet, in root on N. side of 16-in. hickory tree; copper nail and washer	642.38
T. 43 N., R. 2 W., about 400 ft. N. of S. sixteenth cor. between secs. 4 and 5, 21 ft. N. of T-rd. S., at fence corner, in root on W. side of 8-in. twin sycamore tree; copper nail and washer	734.98
T. 43 N., R. 2 W., near center of SW 1/4 sec. 5, 24 ft. N. and 19 ft. W. from T-rd. S., 13 ft. W. of fence N., in S. side of 20-in. oak tree; copper nail and washer	792.05

(For balance in Sullivan No. 1 quadrangle, see line 6.)

T. 43 N., R. 3 W., near center sec. 1, 21 ft. N. and 67 ft. W. from rd. fork NW. to New Haven, on W. end of concrete culvert; chiseled square	793.55
T. 43 N., R. 3 W., near E. sixteenth cor. sec. 2, 6 ft. S. and 48 ft. E. from T-rd. S., in root on W. side of 18-in. twin oak tree; copper nail and washer	803.18
T. 43 N., R. 3 W., near center sec. 2, on County Route C, 295 ft. W. of junction of rd. E. to Clover Bottom, 25 ft. N. of highway, at fence corner, in root on S. side of 20-in. oak tree; copper nail and washer	825.88

Kiel, in NE 1/4 sec. 34, T. 44 N., R. 3 W., in N. end of lower concrete step of store of O. F. Felster; standard tablet stamped "T T 951 C 1934 755"	Feet 755.234
T. 44 N., R. 3 W., in NE 1/4 NE 1/4 sec. 27, on County Route C, near junction of rd. W., on S. end of second concrete step to store of H. C. Reichler; chiseled square	743.31
T. 44 N., R. 3 W., near center of NE 1/4 sec. 23, on County Route C, 180 ft. N. 50° E. of junction of rd. E., 78 ft. S. of highway at N.-S. fences, in root on E. side of 6-in. oak tree; copper nail and washer	684.29
T. 44 N., R. 3 W., quarter cor. between secs. 13 and 14, on County Route C, 25 ft. N. and 15 ft. E. from junction of rd. W., in top of S. end of E. head wall of concrete culvert over Mud Creek; standard tablet stamped "T T 952 C 1934 528"	528.254
T. 44 N., R. 3 W., near S. sixteenth cor. between secs. 11 and 12, on County Route C, 42 ft. S. and 90 ft. W. from rd. junction, in root on E. side of 20-in. thorn tree; copper nail and washer	598.11
T. 44 N., R. 3 W., in NW. cor. sec. 12, on County Route C, 280 ft. N. of junction of rd. W., on N. end of E. head wall of concrete bridge over Wild Cat Creek; chiseled square	533.48
New Haven, 1 mi. W. of, along State Highway 100, about 30 ft. N. and 300 ft. E. from NW. cor. sec. 2, T. 44 N., R. 3 W., on E. end of N. head wall of concrete culvert; chiseled square	607.64

(Continued in Hermann No. 3 quadrangle; see line 5.)

3. FROM WEST BORDER OF QUADRANGLE, SOUTHEAST ALONG MISSOURI-KANSAS-TEXAS RAILROAD TO EAST BORDER

(Continued from Hermann No. 3 quadrangle; see line 2.)

Bernheimer, 1.2 mi. E. of, along Missouri-Kansas-Texas R.R., near milepost 87.9, in NE. corner of W. concrete abutment of bridge over Smith Creek; bolt	498.355
Bernheimer, 2.1 mi. E. of, along Missouri-Kansas-Texas R.R., 300 ft. W. of milepost 87, 68 ft. N. of County Route C, 12 ft. S. and 43 ft. E. from private rd. crossing, on W. end of S. head wall of concrete culvert; chiseled square	499.38
Bernheimer, 2.7 mi. E. of, along Missouri-Kansas-Texas R.R., 6 ft. S. and 35 ft. E. from private rd. crossing, 12 ft. N. of track, in top of concrete pipe culvert; standard tablet stamped "T T 1742 E R A 1935"	498.056
Treloar, 0.8 mi. W. of, along Missouri-Kansas-Texas R.R., 12 ft. N. of track, in W. end of N. head wall of concrete culvert; bronze tablet (R.R. benchmark)	498.190
Treloar, on SW. corner of bottom concrete step at main entrance to Farmers Bank; chiseled square	505.27
Treloar, 0.9 mi. E. of, along Missouri-Kansas-Texas R.R., 180 ft. W. of private rd. crossing, 11 ft. N. of track, 3 ft. W. of fence post, in top of concrete head wall of culvert; standard tablet stamped "T T 1743 E R A 1935"	500.296
Treloar, 1.9 mi. E. of, along Missouri-Kansas-Texas R.R., near eleventh telegraph pole E. of milepost 83, 27 ft. W. of private rd. crossing, 11 ft. N. of track, on SE. corner of head wall of concrete culvert; chiseled square	496.06
Peers, about 250 ft. W. of Missouri-Kansas-Texas R.R. sta., 56 ft. N. and 10 ft. W. from rd. crossing, on W. end of tile culvert; (mark not described)	486.47
Peers, 0.8 mi. E. of, along Missouri-Kansas-Texas R.R., 190 ft. W. of E. end of bridge over Charrette Creek, 9 ft. N. of track, in concrete head wall of culvert; standard tablet stamped "T T 1744 E R A 1935"	487.752
Marthasville, 1.5 mi. W. of, along Missouri-Kansas-Texas R.R., second telegraph pole E. of sign painted "50 cars", 56 ft. W. of rd. crossing, 12 ft. N. of track, on N. end of concrete tile culvert; (mark not described)	488.97
Marthasville, at W. edge of, 10 ft. S. of Missouri-Kansas-Texas R.R., on NE. corner of S. base of support for overhead bridge carrying State Highway 47; chiseled square	497.02
U.S.C.E. B.M. designated "16/2"	496.010
Marthasville, 1.5 mi. E. of, along Missouri-Kansas-Texas R.R., in concrete abutment at NW. corner of steel bridge over Tuque Creek; standard tablet stamped "T T 1745 E R A 1935"	491.114
Reference mark, 3 ft. S. of NW. corner of E. concrete abutment of bridge; chiseled square	491.07
Marthasville, 2.6 mi. E. of, along Missouri-Kansas-Texas R.R., about 0.4 mi. E. of rd. crossing, 11 ft. N. of track, on N. end of 24-in. concrete pipe culvert; (mark not described)	487.13
Dutzow, about 0.2 mi. W. of Missouri-Kansas-Texas R.R. sta., 11 ft. N. of track, on E. end of N. head wall of concrete culvert; chiseled square	489.24

(Continued in O'Fallon No. 3 quadrangle; see line 5.)

4. FROM EAST BORDER OF QUADRANGLE SOUTHWEST TO MARTHASVILLE

(Continued from O'Fallon No. 3 quadrangle; see line 4.)

T. 45 N., R. 1 W., near S. sixteenth cor. between secs. 2 and 3, 180 ft. N. of fence W., 40 ft. N. of rail-fence corner, 10 ft. E. of rd., in root on N. side of 16-in. white-oak tree; copper nail and washer	826.12
Marthasville, 5.7 mi. NE. of, in SE 1/4 NW 1/4 sec. 10, T. 45 N., R. 1 W., on highest point of ridge, 12 ft. E. of rd., in root on W. side of 6-in. white-oak tree; copper nail and washer	799.38

Marthasville, 4 mi. NE. of, 32 ft. N. and 45 ft. W. from stone at cor. secs. 9, 10, 15, and 16, T. 45 N., R. 1 W., in concrete abutment at SE. corner of steel bridge over Tuque Creek; standard tablet stamped "T T 1740 E R A 1935"	<u>Feet</u> 514.758
Marthasville, 3.3 mi. NE. of, about 600 ft. NE. of quarter cor. between secs. 16 and 21, T. 45 N., R. 1 W., 33 ft. N. and 12 ft. W. from rd. forks, on NW. end of 12-in. tile culvert; painted square	571.11
Marthasville, 2.5 mi. NE. of, near E. sixteenth cor. sec. 21, T. 45 N., R. 1 W., about 200 ft. E. of rd. fork E., on SW. corner of steel bridge over branch, on end of steel collar beam; (mark not described)	488.69
Marthasville, 1 mi. E. of, 18 ft. S. and 26 ft. E. from rd. forks, in top of concrete pier at SW. corner of steel bridge over Tuque Creek; standard tablet stamped "T T 1741 E R A 1935"	492.849

5. WEST ALONG NORTH BORDER OF QUADRANGLE (by A. R. Friend in 1936-37)

(Continued from O'Fallon No. 3 quadrangle; see line 8.)

Junction of private rd. N., on E. end of iron pipe culvert; painted cross T. 46 N., R. 1 W., in NW 1/4 SE 1/4 sec. 22, 30 ft. S. and 50 ft. E. from T-rd. E., in root on N. side of 14-in. hickory tree; copper nail and washer	858.76
T-rd. N., in root on E. side of 12-in. hard-maple tree; crossed nails	882.71
T. 46 N., R. 1 W., in NE 1/4 SE 1/4 sec. 21, 30 ft. N. and 20 ft. W. from T-rd. N., 12 ft. N. and 5 ft. W. from 20-in. post-oak tree, in concrete post; standard tablet stamped "T T 6 C 1936"	879.40
T. 46 N., R. 1 W., in SW 1/4 sec. 21, 12 ft. N. and 5 ft. W. from T-rd. S., in root on S. side of 24-in. white-oak tree; copper nail and washer	888.201
T. 46 N., R. 1 W., near center sec. 20, 20 ft. N. of rd. fork SW., in root on S. side of 9-in. post-oak tree; copper nail and washer	882.82
T. 46 N., R. 1 W., in NE 1/4 sec. 18, 7.1 mi. SW. of Wright City, 0.1 mi. S. of junction of rds. to Truesdail and Wright City, 16 ft. E. of rd., 25 ft. W. of SW. corner of dwelling of Joseph Duff, 1 ft. W. of fence, in concrete post; standard tablet stamped "T T 5 C 1936"	846.09
T. 46 N., R. 2 W., near quarter cor. between secs. 23 and 24, 65 ft. W. of ford across Charrette Creek, 12 ft. S. and 10 ft. E. from junction of private rd. E., in root on N. side of twin 10-in. elm tree; copper nail and washer	627.190
T. 46 N., R. 2 W., in SE 1/4 sec. 14, 2.9 mi. E., thence 5.4 mi. S. from Warrenton, along Charrette Creek rd., 18 ft. N. and 245 ft. W. from rd. at entrance to farm of Gustav Pauk, 23 ft. S. and 31 ft. W. from fence corner, 2 ft. W. of fence, in concrete post; standard tablet stamped "T T 4 C 1936"	552.28
Junction of private rd. E., 105 ft. W. of, in fence line, in root on S. side of 10-in. white-oak tree; crossed nails	582.418
	838.33

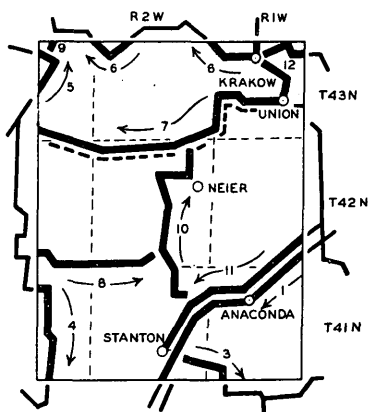
(For balance in Hermann No. 1 quadrangle, see line 6.)

T. 46 N., R. 2 W., in SE 1/4 NE 1/4 sec. 20, 6 mi. S. of Warrenton, along State Highway 47, 34 ft. W. of highway, 21 ft. N. and 23 ft. E. from SE. corner of yard of Henry Seivert, 2 ft. N. of concrete right-of-way marker, in concrete post; standard tablet stamped "T T 3 C 1936"	896.996
T. 46 N., R. 2 W., about 0.3 mi. N. of cor. secs. 17, 18, 19, and 20, 25 ft. W. of rd. fork E., 15 ft. S. of small creek, in root on S. side of 48-in. elm tree; copper nail and washer	631.10
T. 46 N., R. 2 W., about 0.4 mi. S. of cor. secs. 17, 18, 19, and 20, on E. bank of Dry Fork, 150 ft. N. and 6 ft. E. from old rd. fork NW., in top of 36-in. stump; copper nail and washer	612.87
T. 46 N., R. 3 W., in NW 1/4 SW 1/4 sec. 13, 8 mi. SW. of Warrenton, along Pickney Ridge rd., 14 ft. S. and 28 ft. E. from rd. fork SE., 9 ft. S. and 7 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 2 C 1936"	940.852
T. 46 N., R. 3 W., in SW 1/4 sec. 15, 10 mi. SW. of Warrenton, 33 ft. E. of rd., 20 ft. S. and 135 ft. W. from SW. corner of dwelling of John Mueller, 4 ft. S. and 2 ft. W. from fence post at NW. corner of garden, in concrete post; standard tablet stamped "T T 1 C 1936"	587.428

For additional level lines along north and south banks of Missouri River, refer to United States Coast and Geodetic Survey first-order lines, Twelve Miles Above St. Louis to Jefferson City and St. Louis to Jefferson City.

SULLIVAN NO. 1 QUADRANGLE
(Latitude 38°15'-38°30'; longitude 91°00'-91°15')

Franklin County



1. FROM EAST BORDER OF QUADRANGLE, SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO SOUTH BORDER (first-order line by E. L. McNair in 1908)

(Continued from St. Clair quadrangle; see line 1.)

	Feet
Anaconda, in front of St. Louis-San Francisco Ry. sta.; top of rail	842.1
Anaconda, about 72 ft. N. of St. Louis-San Francisco Ry. track, near corner of lot owned by W. M. Daugherty, about 2 ft. from telephone pole; iron post stamped "851"	840.415
Stanton, in front of St. Louis-San Francisco Ry. sta.; top of rail	872.0
Stanton, about 50 ft. W. of St. Louis-San Francisco Ry. sta., 60 ft. from track, in SE. corner of foundation of hotel owned by Lewis Wisbruger, in cornerstone; standard tablet stamped "882"	871.681
Stanton, 2 mi. SW. of, along St. Louis-San Francisco Ry., 120 ft. W. of rd. crossing on line between secs. 34 and 35, T. 41 N., R. 2 W., on N. side of track, 3 ft. inside of fence; iron post stamped "910"	898.138

(Continued in Sullivan No. 4 quadrangle; see line 1.)

2. ISOLATED BENCHMARKS (not shown on diagram)

(by Jesse L. Holman and E. V. Rees in 1899. Elevations are doubtful because of an excessive closure.)

Union, on NW. corner of stone steps to courthouse; chiseled cross	566.94
Krakow, in NE 1/4 sec. 8, T. 43 N., R. 1 W., 100 ft. NW. of post office, in root of oak tree; copper nail	763.37
Casco, in NE 1/4 sec. 17, T. 43 N., R. 2 W., in NW. corner of foundation of former post office building; aluminum tablet stamped "St L 781"	781.355
Jeffriesburg, in SE 1/4 sec. 25, T. 43 N., R. 2 W., 100 ft. SE. of post office, on large rock; chiseled cross	766.51
Port Hudson, in SW 1/4 sec. 22, T. 43 N., R. 3 W., 1 mi. S. of abandoned post office, in foundation of store building at crossroads; aluminum tablet stamped "St L 867"	869.893
Neier, in NE 1/4 sec. 14, T. 42 N., R. 2 W., on bottom step of abandoned post office; chiseled cross	822.91

3. FROM STANTON SOUTHEAST TO SOUTH BORDER OF QUADRANGLE (by Cornish Beck in 1934)

Stanton, 0.9 mi. E. of, along Sand Ford rd., 25 ft. S. of junction of rd. E., in root on NE. side of 18-in. post-oak tree; copper nail and washer	822.21
Stanton, 1.9 mi. E. of, along Sand Ford rd., on crest of hill, 50 ft. W. of junction of rd. NE., 10 ft. W. of rd., in line of barnyard fence, in root on E. side of 12-in. post-oak tree; copper nail and washer	779.80
Stanton, about 2.5 mi. SE. of, along Sand Ford rd., about 900 ft. NE. of Sand Ford, 15 ft. E. of rd., in root on W. side of 14-in. elm tree; copper nail and washer	567.45

(Continued in Sullivan No. 4 quadrangle; see line 5.)

4. SOUTH ALONG SOUTH HALF OF WEST BORDER OF QUADRANGLE (by C. P. Thompson in 1934)

(Continued from Gerald quadrangle; see line 5.)

Spring Bluff, 2.3 mi. NW. of, in NE 1/4 SW 1/4 sec. 3, T. 41 N., R. 3 W., 50 ft. S. and 13 ft. W. from SW. corner of dwelling of L. F. Roach, 29 ft. N. of rd., in concrete post; standard tablet stamped "T T 942 C 1934"	Feet 744.885
Reference mark, 42 ft. E. of tablet, in root on N. side of 10-in. black-walnut tree; copper nail and washer	744.70
Spring Bluff, 1.4 mi. N. of, about 600 ft. E. of NW. cor. sec. 11, T. 41 N., R. 3 W., on farm of Lizzie Brant, 20 ft. E. of rd., at fence corner, in root on S. side of 20-in. post-oak tree; copper nail and washer	798.69
Spring Bluff, 0.5 mi. N. of, near SW. cor. sec. 11, T. 41 N., R. 3 W., 162 ft. N. and 25 ft. W. from rd. junction, at SE. corner of shed, in root on SE. side of 16-in. twin white-oak tree; copper nail and washer	856.77
Spring Bluff, 0.5 mi. S. of, about 400 ft. W. of center sec. 14, T. 41 N., R. 3 W., 36 ft. N. of rd. forks, in root on W. side of 18-in. white-oak tree; copper nail and washer	927.07
Spring Bluff, 1 mi. S. of, along Spring Bluff-Elmont rd., 900 ft. S. of N. cor. secs. 22 and 23, T. 41 N., R. 3 W., 220 ft. N. of junction of rd. W., 29 ft. W. of rd., 4 ft. E. of N.-S. fence, in concrete post; standard tablet stamped "T T 943 C 1934"	879.020
Reference mark, 62 ft. E. of tablet, in root on W. side of 14-in. white-oak tree; copper nail and washer	876.94
Elmont, 2.5 mi. NE. of, center NE 1/4 sec. 27, T. 41 N., R. 3 W., 0.2 mi. N. of dwelling of John Balke, 21 ft. N. and 7 ft. E. from fence corner, 19 ft. E. of rd., in root on NW. side of 20-in. oak tree; copper nail and washer	787.44
Elmont, 1.4 mi. N. of, about 600 ft. S. of quarter cor. between secs. 27 and 34, T. 41 N., R. 3 W., about 100 ft. NW. of dwelling of Henry Hartle, 18 ft. W. of rd., in root on E. side of 20-in. post-oak tree; copper nail and washer	906.82

(Continued in Sullivan No. 4 quadrangle; see line 12.)

5. IN NORTHWEST CORNER OF QUADRANGLE

(Continued from Gerald quadrangle; see line 7.)

T. 43 N., R. 3 W., center NE 1/4 NW 1/4 sec. 22, 48 ft. S. and 21 ft. W. from junction of County Route C and rd. NW., in root on E. side of 20-in. white-oak tree; copper nail and washer	866.59
T. 43 N., R. 3 W., about 200 ft. S. and 50 ft. E. from N. sixteenth cor. sec. 15, 100 ft. N. and 24 ft. E. from junction of County Route C and rd. W., in root on E. side of 20-in. white-oak tree; copper nail and washer	858.97
T. 43 N., R. 3 W., E. sixteenth cor. sec. 10, 320 ft. W. of County Route C at fence E., 25 ft. N. and 25 ft. W. from highway at rd. W., in concrete post; standard tablet stamped "T T 946 C 1934"	840.201
Reference mark, 12 ft. S. and 12 ft. E. from tablet, on N. end of concrete culvert; chiseled square	837.91

(Continued in Gerald quadrangle; see line 7.)

6. FROM NORTHEAST CORNER OF QUADRANGLE, WEST ALONG NORTH BORDER

(by C. P. Thompson in 1935)

(Continued from Hermann No. 4 quadrangle; see line 2.)

Krakow, in NE 1/4 sec. 8, T. 43 N., R. 1 W., 30 ft. E. of County Route A at rd. W., in concrete post; standard tablet stamped "T T 968 C 1935"	763.768
Krakow, 0.8 mi. W. of, near NE. cor. sec. 7, T. 43 N., R. 1 W., 24 ft. S. of rd., 18 ft. W. of fence, at gatepost in fence corner, in root on N. side of 18-in. white-oak tree; copper nail and washer	756.71
Krakow, 2 mi. W. of, center of N 1/2 NW 1/4 sec. 7, T. 43 N., R. 1 W., 15 ft. S. and 15 ft. E. from rd. fork SW., on S. end of tile culvert; painted square	707.92
Krakow, 2.8 mi. W. of, near quarter cor. between secs. 1 and 12, on S. end of W. abutment of bridge over St. Johns Creek; chiseled square	538.94

(For balance in Hermann No. 4 quadrangle, see line 2.)

T. 43 N., R. 2 W., near center of S 1/2 sec. 6, near Lutheran Cemetery, 45 ft. S. (25 ft. S. by levelman) and 105 ft. E. from T-rd. S., 25 ft. S. of rd. at fence N., in concrete post; standard tablet stamped "T T 973 E R A 1935 820"	820.529
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(Continued in Hermann No. 4 quadrangle; see line 2.)

7. FROM NORTHEAST CORNER OF QUADRANGLE SOUTH TO UNION, THENCE WEST ALONG UNITED STATES HIGHWAY 50 TO WEST BORDER

T. 43 N., R. 1 W., near SW. cor. sec. 9, 5 ft. S. and 18 ft. W. from County Route A at rd. NW., near turn in telephone line, on S. end of galvanized iron pipe culvert; painted square	796.25
T. 43 N., R. 1 W., in NE 1/4 sec. 16, 345 ft. NW. of County Route A at cross rd., at W. end of cemetery, 18 ft. S. of highway at farm entrance, on W. end of galvanized iron pipe culvert; painted square	745.82

Union, 2.4 mi. N. of, along County Route A, near center of W 1/2 sec. 15, T. 43 N., R. 1 W., 120 ft. NE. of highway at rd. NE., 20 ft. N. of rd., in concrete post; standard tablet stamped "T T 969 C 1935 777"	Feet 776.887
Union, 0.5 mi. N. of, along County Route A, near center of N 1/2 sec. 22, T. 43 N., R. 1 W., 45 ft. N. and 21 ft. E. from NE. corner of St. Paul's Lutheran Cemetery, 15 ft. S. and 12 ft. W. from highway at rd. S., on W. end of galvanized iron pipe culvert; painted square	727.64
Union, 105 ft. N. and 48 ft. E. from Chicago, Rock Island & Pacific Ry. at County Route A, on W. corner of SW. corner pier of water tower; chiseled square	559.25
Union, in NW. corner of courthouse yard, on concrete base of flagpole; chiseled square	565.50
Union, 46 ft. S. and 26 ft. W. from junction of U.S. Highway 50 and County Route A, between sidewalk and ditch, in concrete post; standard tablet stamped "T T 970 C 1935 544"	544.426
Union, 0.9 mi. W. of, along U.S. Highway 50, in SW 1/4 SW 1/4 sec. 27, T. 43 N., R. 1 W., 48 ft. N. and 36 ft. E. from cross rd., 3 ft. N. of SW. corner of retaining wall of cemetery; chiseled square	675.23
Union, 2 mi. W. of, along U.S. Highway 50, near center of SW 1/4 sec. 28, T. 43 N., R. 1 W., 65 ft. S. and 15 ft. E. from cross rd., in fence line, in root on W. side of 16-in. cedar tree; copper nail and washer	732.46
Union, 3 mi. W. of, along U.S. Highway 50, in SE 1/4 NW 1/4 sec. 29, T. 43 N., R. 1 W., 28 ft. N. and 10 ft. W. from junction of rd. S. and private drive to dwelling of E. H. Borgman, in concrete post; standard tablet stamped "T T 974 E R A 1935 743"	743.061
Union, 4 mi. W. of, along U.S. Highway 50, near center of N 1/2 sec. 30, T. 43 N., R. 1 W., 108 ft. N. and 48 ft. E. from junction of rd. N., in root on SE. side of 6-in. cedar tree; copper nail and washer	802.28
Jeffriesburg, in front of post office, on concrete platform, 1 ft. S. of NW. corner; chiseled square	763.81
Jeffriesburg, 0.7 mi. SW. of, along U.S. Highway 50, in NW 1/4 sec. 36, T. 43 N., R. 2 W., 22 ft. S. and 38 ft. E. from N.-S. cross rd., in concrete post; standard tablet stamped "T T 975 E R A 1935 743"	743.246
Jeffriesburg, 1.7 mi. W. of, along U.S. Highway 50, near center of SE 1/4 sec. 35, T. 43 N., R. 2 W., on W. end of S. head wall of concrete bridge over branch; chiseled square	654.80
Jeffriesburg, 2.5 mi. W. of, along U.S. Highway 50, near center of SE 1/4 sec. 34, T. 43 N., R. 2 W., 26 ft. N. and 27 ft. W. from cross rd., in root on W. side of 18-in. oak tree; copper nail and washer	752.03
Beaufort, 2 mi. E. of, along U.S. Highway 50, in NE 1/4 sec. 4, T. 42 N., R. 2 W., 30 ft. N. and 5 ft. E. from highway at fence N., 2 ft. S. and 5 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 976 E R A 1935 833"	833.572 795.668
U.S.C. & G.S. standard disk stamped "L 101 1935"	
Beaufort, 0.8 mi. E. of, along U.S. Highway 50, in NW 1/4 sec. 5, T. 42 N., R. 2 W., 48 ft. S. and 150 ft. E. from junction of rd. SE. and private drive N. to farmhouse of Fred Buth, 21 ft. W. of light pole, on large sandstone; chiseled square	830.69 822.134
U.S.C. & G.S. standard disk stamped "K 101 1935"	
Beaufort, 0.8 mi. W. of, along U.S. Highway 50, near N. sixteenth cor. on E. line sec. 1, T. 42 N., R. 3 W., 91 ft. S. and 73 ft. W. from junction of rd. SE., 40 ft. N. and 30 ft. W. from Chicago, Rock Island & Pacific Ry. at rd. crossing, 5 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 977 E R A 1935 801"	801.055 794.270
U.S.C. & G.S. standard disk stamped "J 101 1935"	
Leslie, 1 mi. E. of, along U.S. Highway 50, near W. sixteenth cor. on S. line sec. 36, T. 43 N., R. 3 W., 27 ft. N. and 15 ft. W. from junction of rd. N., on W. end of galvanized iron pipe culvert; painted square	854.29 819.309
U.S.C. & G.S. standard disk stamped "H 101 1935"	
U.S.C. & G.S. standard disk stamped "G 101 1935"	833.778

8. FROM CENTER OF WEST BORDER OF QUADRANGLE, EAST TO POINT NORTH OF STANTON

Bourbeuse River, at August Laubinger's ford; surface of water at 10 a.m. March 1, 1935	618.8
T. 42 N., R. 3 W., center of NW 1/4 sec. 34, on E. bank of Bourbeuse River at August Laubinger's ford, 7 ft. N. of rd., in root on E. side of triangular-blazed 15-in. birch tree; copper nail and washer	626.88
T. 42 N., R. 3 W., in center of W 1/2 sec. 35, 10 ft. S. of rd., on W. end of S. head wall of concrete bridge over Dry Branch; chiseled square	695.16
Spring Bluff, 3 mi. NE. of, 0.1 mi. S. of S. sixteenth cor. sec. 36, T. 42 N., R. 3 W., 30 ft. E. of T-rd. W., in concrete post; standard tablet stamped "T T 987 E R A 1935 817"	817.130
T. 42 N., R. 2 W., in SE 1/4 sec. 31, on top of SE. iron support of beacon tower; painted square	843.42
T. 42 N., R. 2 W., in SE 1/4 sec. 32 (actually in land grant), 40 ft. S. of small branch, 9 ft. S. of rd. at curve, in root on NW. side of 36-in. oak tree; copper nail and washer	681.78
T. 41 N., R. 2 W., in NW 1/4 sec. 4 (actually in land grant), 210 ft. N. and 26 ft. E. from rd. forks, 10 ft. E. of rd., 2 ft. E. of N.-S. fence, in concrete post; standard tablet stamped "T T 986 E R A 1935 770"	770.267
T. 42 N., R. 2 W., S. sixteenth cor. between secs. 33 and 34 (actually in land grant), at top of hill, 24 ft. E. of rd. at fences N. and S., in root on W. side of 16-in. oak tree; copper nail and washer	756.86

9. IN NORTHWEST CORNER OF QUADRANGLE

T. 43 N., R. 3 W., cor. secs. 2, 3, 10, and 11, at junction of County Route C and rd. E. to Holy Family Church, on E. end of galvanized iron pipe culvert; painted square	<u>Feet</u> 866.50
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10. FROM POINT ABOUT 2 MILES NORTH OF STANTON, NORTH ABOUT 8 MILES

Stanton, 1.7 mi. N. of, along St. Louis-San Francisco Ry., in NW 1/4 sec. 13, T. 41 N., R. 2 W., 60 ft. W. of track, 4 1/4 ft. E. of U.S. Highway 66, 20 ft. S. and 75 ft. E. from center of triangle at junction of rd. N., in concrete post; standard tablet stamped "T T 982 E R A 1935 888"	888.703
T. 41 N., R. 2 W., near center of SW 1/4 sec. 12, 75 ft. S. and 40 ft. E. from rd. fork NW., 9 ft. N. of fence line W., on S. end of E. head wall of concrete culvert; chiseled square	866.23
T. 41 N., R. 2 W., center of W 1/2 sec. 11, on SW. corner of bottom concrete step to Oak Grove School; chiseled square	823.82
T. 41 N., R. 2 W., in NE 1/4 NE 1/4 sec. 10, at NE. corner of bridge, on center of wing wall; chiseled square	659.01
T. 41 N., R. 2 W., in SE 1/4 sec. 3, 25 ft. N. and 5 ft. E. from junction of rds. S., E., and SE., 17 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 985 E R A 1935 786"	786.627
Reference mark 1, 15 ft. N. and 17 ft. W. from tablet, in root on SW. side of 30-in. oak tree; copper nail and washer	786.25
Reference mark 2, 23 ft. S. and 33 ft. W. from tablet, in root on N. side of 5-in. oak tree; copper nail and washer	784.29
T. 42 N., R. 2 W., 64 7/8 ft. W. of SE. cor. sec. 34 (actually in land grant), 30 ft. W. of private rd., on land owned by Ferd Spencer, in fence line, in root on W. side of 20-in. oak tree; copper nail and washer	616.43
T. 42 N., R. 2 W., in center of N 1/2 sec. 34 (actually in land grant), 300 ft. W. of private ford, 75 ft. S. of S. bank of Bourbeuse River, on land owned by Mrs. Charles Voss, in root on E. side of 20-in. black-walnut tree; copper nail and washer	578.59
Bourbeuse River, near W. sixteenth cor. secs. 27 and 34, T. 42 N., R. 2 W., (actually in land grant); surface of water at 9:30 a.m. Feb. 25, 1935	564.0
T. 42 N., R. 2 W., center of SW 1/4 sec. 27 (actually in land grant), at bottom of hill, 25 ft. W. of rd. fork SE., in corner of fence E., in root on SW. side of 20-in. oak tree; copper nail and washer	603.50
T. 42 N., R. 2 W., near center of N 1/2 sec. 27 (actually in land grant), 54 ft. N. of NW. corner of dwelling of Andrew Door, 23 ft. E. of rd., 1 ft. S. and 2 ft. E. from SW. corner of orchard, in concrete post; standard tablet stamped "T T 984 E R A 1935 691"	690.840
T. 42 N., R. 2 W., center of NE 1/4 sec. 22 (actually in land grant), 5 ft. N. and 18 ft. W. from T-rd. E., in root on NE. side of 14-in. oak tree; copper nail and washer	868.34
T. 42 N., R. 2 W., center of E 1/2 sec. 15, 10 ft. N. and 15 ft. E. from T-rd. E., on N. end of concrete culvert; chiseled square	892.34
Neier, 1 mi. NW. of, near center of E 1/2 sec. 10, T. 42 N., R. 2 W., 260 ft. S. and 60 ft. E. from T-rd. E., 120 ft. S. and 6 ft. W. from rd. at fence E., 22 ft. E. of rd., in concrete post; standard tablet stamped "T T 983 E R A 1935 887"	887.333
T. 42 N., R. 2 W., near center of SW 1/4 sec. 2, 45 ft. S. and 37 ft. W. from rd. fork SE., in root on N. side of 8-in. oak tree; copper nail and washer	832.39
T. 42 N., R. 2 W., in NW 1/4 sec. 1, about 400 ft. N. of E.-W. rd., 12 ft. S. of Chicago, Rock Island & Pacific Ry. at rd. crossing, on W. end of tile culvert; painted square	759.61

11. FROM EAST BORDER OF QUADRANGLE, SOUTHWEST ALONG UNITED STATES HIGHWAY 66 AND ST. LOUIS-SAN FRANCISCO RAILWAY TO STANTON
(Continued from St. Clair quadrangle; see line 5.)

St. Clair, 1.5 mi. W. of, along U.S. Highway 66, 340 ft. E. of rd. N. on line between secs. 34 and 35, T. 42 N., R. 1 W., 57 ft. N. of highway, on S. bank of small pond, in 3- by 3-ft. concrete block; standard tablet stamped "T T 980 E R A 1935 809"	809.173
St. Clair, 2.5 mi. W. of, along St. Louis-San Francisco Ry., near center of NW 1/4 sec. 3, T. 41 N., R. 1 W., 370 ft. E. of milepost 55, on SE. corner of concrete base of signal switch 548; chiseled square	833.18
St. Clair, 3.4 mi. W. of, along St. Louis-San Francisco Ry., near center of S 1/2 sec. 4, T. 41 N., R. 1 W., 110 ft. S. and 21 ft. W. from junction of U.S. Highway 66 and rd. to Anaconda, 89 ft. W. of rd. crossing, at milepole 55.30, in root on SE. side of 12-in. oak tree; copper nail and washer	841.12
Anaconda, 0.6 mi. NE. of, along St. Louis-San Francisco Ry., in NE 1/4 SW 1/4 sec. 9, T. 41 N., R. 1 W., 10 ft. N. and 50 ft. E. from rd. crossing, at entrance to farm of Oscar Helling, 2 ft. W. of fence, in concrete post; standard tablet stamped "T T 981 E R A 1935 847"	846.732
Anaconda, 1.2 mi. SW. of, along St. Louis-San Francisco Ry., in N 1/2 sec. 18, T. 41 N., R. 1 W., 10 ft. N. and 30 ft. W. from rd. crossing, near milepole 58.15, on top of SW. corner concrete foundation of semaphore; bolt	811.35
Stanton, 2.6 mi. N. of, along St. Louis-San Francisco Ry., in NW 1/4 sec. 18, T. 41 N., R. 1 W., 120 ft. W. of milepole 59.25, 13 ft. N. of track, 10 ft. E. of fence line N., on SE. corner of rock ledge; chiseled square	874.66

Stanton, 0.8 mi. N. of, along U.S. Highway 66, 0.2 mi. E. of SW. cor. sec. 13, T. 41 N., R. 2 W., 155 ft. N. of St. Louis-San Francisco Ry. milepost 61.20, 20 ft. N. and 21 ft. E. from highway at rd. W., on S. end of E. head wall of concrete culvert; chiseled square Feet
861.31

12. LINE FROM KRAKOW NORTHEAST TO NORTH BORDER OF QUADRANGLE

Krakow, 1 mi. E. of, 75 ft. S. and 475 ft. W. from cor. secs. 3, 4, 9, and 10, T. 43 N., R. 1 W., 70 ft. S. and 95 ft. E. from ford across creek, at entrance to farm of John M. Peters, at gatepost, in root on E. side of 2 1/2-in. oak tree; copper nail and washer 591.69

Krakow, 2 mi. E. of, near E. sixteenth cor. secs. 3 and 10, T. 43 N., R. 1 W., 275 ft. S. of rd. fork W., on N. end of E. head wall of concrete bridge; chiseled square 577.36

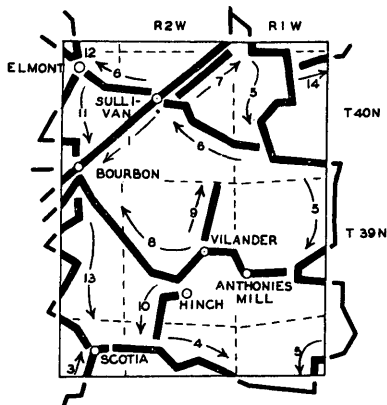
Krakow, 2.5 mi. E. of, 180 ft. S. and 2 ft. W. from N. sixteenth cor. between secs. 10 and 11, T. 43 N., R. 1 W., 10 ft. N. and 10 ft. E. from junction of rds. S. and NW., 2 ft. W. of fence, in concrete post; standard tablet stamped "T T 988 E R A 1935" 651.822

(Continued in St. Clair quadrangle; see line 6.)

For an additional level line along Chicago, Rock Island & Pacific Ry., refer to United States Coast and Geodetic Survey second-order line, Eldon to Labadie.

SULLIVAN NO. 4 QUADRANGLE
(Latitude 38°00'-38°15'; longitude 91°00'-91°15')

Crawford, Franklin, and Washington Counties



1. FROM MIDDLE OF NORTH BORDER OF QUADRANGLE SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO WEST BORDER (first-order line by E. L. McNair in 1908)
(Continued from Sullivan No. 1 quadrangle; see line 1.)

Sullivan, about 100 ft. E. of St. Louis-San Francisco Ry. sta., in foundation wall at S. side of main entrance to Bennett Hotel; aluminum tablet stamped "987" 976.146

Sullivan, in front of St. Louis-San Francisco Ry. sta.; top of rail 970.5

Sullivan, 3 mi. W. of, along St. Louis-San Francisco Ry., about 35 ft. W. of rd. crossing, near milepost 71, 20 ft. S. of track, 3 ft. from fence; iron post stamped "1035" 1,023.440

Bourbon, in front of St. Louis-San Francisco Ry. sta.; top of rail 954.1

Bourbon, about 150 ft. W. of St. Louis-San Francisco Ry. sta., 60 ft. N. of track, in cornerstone of foundation wall at SE. corner of Bourbon Hotel; aluminum tablet stamped "967" 956.232

(Continued in Sullivan No. 3 quadrangle; see line 1.)

2. ISOLATED BENCHMARKS (not shown on diagram) (by Jesse L. Holman and H. V. Rees in 1899. Elevations are doubtful because of an excessive closure.)

T. 38 N., R. 2 W., in NW 1/4 sec. 5, on Anthony's Mill-Scotia rd., 150 ft. W. of foundation of Mudd's store building, on N. edge of rd.; iron post stamped "St L 868" 869.548

Scotia, 0.2 mi. NE. of post office, in NE 1/4 sec. 11, T. 38 N., R. 3 W., at N. edge of rd. to Anthony's Mill, in limestone bluff; aluminum tablet stamped "St L 644" 647.324

3. IN SOUTHWEST PART OF QUADRANGLE, INCLUDING THAT PART OF THE LINE IN BERRYMAN QUADRANGLE (leveled twice by L. V. Johnson in 1932)

Scotia, 3.3 mi. SW. of, along Scotia-Steelville rd., about 250 ft. SW. of farmhouse of Guy Brown, 28 ft. S. and 16 ft. E. from rd. fork SE., 45 ft. SW. of mail box, in root on SE. side of small oak tree; copper nail and washer	Feet 964.88
Scotia, 2.5 mi. SW. of, along Scotia-Steelville rd., 25 ft. E. of rd. fork SE. to bottom farm of W. R. Brown, in root on N. side of 15-in. oak tree; copper nail and washer	946.20
Scotia, 1.5 mi. SW. of, along Scotia-Steelville rd., 7 ft. S. and 18 ft. W. from rd. fork N., in root on W. side of small oak tree; copper nail and washer	874.11
Scotia, 0.7 mi. SW. of, along Scotia-Steelville rd., 20 ft. S. and 30 ft. W. from rd. fork NW., in root on SE. side of triangular-blazed 10-in. oak tree; copper nail and washer	870.42
Scotia, in NE 1/4 sec. 11, T. 38 N., R. 3 W., 125 ft. S. of post office, 15 ft. W. of rd., 3 ft. NE. of large gatepost, in concrete post; standard tablet stamped "P T Sta 122 S 1926"	657.941
Reference mark, 40 ft. SE. of tablet, in root on N. side of large oak tree; copper nail and washer	657.28
Scotia, 1.7 mi. NE. of, along Hinch-Scotia rd., at top of hill, 15 ft. N. and 28 ft. W. from cross rd., in root on E. side of 18-in. oak tree; copper nail and washer	923.54

4. FROM POINT 3.5 MILES NORTHEAST OF SCOTIA SOUTHEAST, INCLUDING THAT PART OF THE LINE IN BERRYMAN QUADRANGLE (by F. S. Kuehnelt in 1934)

Scotia, 3.5 mi. NE. of, along Hinch-Scotia rd., 75 ft. E. of junction of rd. S., at entrance to grounds of New Huzzah Club, in root on N. side of 10-in. oak tree; iron nail and copper washer	923.83
Scotia, about 4 mi. NE. of, along Hinch-Scotia rd., at approximate center sec. 5, T. 38 N., R. 2 W., 18 ft. N. of rd., near fence corner, at W. end of lane between rail fences, in concrete post; standard tablet stamped "P T Sta 123 S 1926"	956.169
Reference mark, 100 ft. W. of tablet, in root on E. side of 34-in. oak tree; iron nail and copper washer	950.84
Scotia, 5.1 mi. E. of, along abandoned Hinch-Scotia-Undine rd., 60 ft. S. of junction of rd. SE., in root on W. side of 30-in. oak tree; iron nail and copper washer	999.34
Scotia, 6.9 mi. E. of, 75 ft. S. of rd. fork S., in root on E. side of blazed 20-in. oak tree; iron nail and copper washer	1,019.46
Undine, 5.7 mi. NW. of, along abandoned Hinch-Scotia-Undine rd., at center sec. 11, T. 38 N., R. 2 W., 15 ft. S. and 27 ft. E. from dim cross rd., in concrete post; standard tablet stamped "P T Sta 124 S 1926"	1,035.042
Reference mark, 40 ft. S. of tablet, in root on N. side of 15-in. oak tree; iron nail and copper washer	1,032.48
Undine, 4.7 mi. NW. of, along abandoned Scotia-Undine rd., 40 ft. W. of junction of rd. SW. to Butts, in root on S. side of 18-in. oak tree; iron nail and copper washer	1,077.93
Undine, 3.6 mi. W. of, along abandoned Scotia-Undine rd., 1.3 mi. W. of farm of P. A. Hertel, 30 ft. E. of junction of rd. SE., in root on N. side of 15-in. hickory tree; iron nail and copper washer	1,081.88
Undine, 2.3 mi. W. of, along abandoned Potosi-Scotia rd., in SE 1/4 sec. 17, T. 38 N., R. 2 W., 135 ft. SW. of dwelling of P. A. Hertel, 15 ft. E. of 15-in. walnut tree, 3 ft. N. of rail fence, at gate to field, in concrete post; standard tablet stamped "P T 125 S 1926"	845.969
Reference mark, 60 ft. E. of tablet, in root on N. side of 15-in. walnut tree; iron nail and copper washer	846.44
T. 38 N., R. 1 W., at approximate center sec. 20, 40 ft. W. of junction of abandoned Scotia-Undine rd. and rd. to farm of A. P. Hertel, in root on S. side of 15-in. oak tree; copper nail and washer	1,063.51
T. 38 N., R. 1 W., in SW 1/4 SE 1/4 sec. 21, 310 ft. E. of rd., 24 ft. S. and 6 ft. E. from SW. corner of former post-office building in Undine, on lot of John W. Isgrig, in concrete post; standard tablet stamped "P T Sta 126 S 1926"	870.540
Reference mark, 40 ft. N. of tablet, on SE. side of 15-in. walnut tree; copper nail and washer	871.81
T. 38 N., R. 1 W., in S 1/2 sec. 27, 100 ft. N. of main gate to farm of E. Kimberlin, in root on N. side of 36-in. elm tree; copper nail and washer	919.70
Undine, 2.2 mi. SE. of, along Floyd-Undine rd., 60 ft. N. and 25 ft. E. from junction of rd. E., at site of old sawmill, in root on SW. side of 30-in. oak tree; copper nail and washer	983.15

5. SOUTH ALONG EAST BORDER OF QUADRANGLE (by Cornish Beck in 1934)
(Continued from Sullivan No. 1 quadrangle; see line 3.)

Stanton, 3.4 mi. SE. of, along rd. through Sand Ford, in sec. 31, T. 41 N., R. 1 W., 65 ft. N. of rd. at entrance to Meramec State Park, 15 ft. W. of N.-S. wire fence between park and farm of J. Schaub, in concrete post; standard tablet stamped "902 C W A 1934"	764.300
Stanton, about 4.6 mi. SE. of, along rd. through Sand Ford, 1 mi. NW. of Reedville School, 20 ft. S. of rd., in root on N. side of 32-in. white-oak tree; copper nail and washer	790.80

	Feet
Stanton, 5.6 mi. SE. of, along rd. through Sand Ford, in NW 1/4 sec. 4, T. 40 N., R. 1 W., 112 ft. NE. of Reedville School, 61 ft. S. of rd., in schoolyard, in concrete post; standard tablet stamped "903 C W A 1934"	846.408
Stanton, 6.6 mi. SE. of, along rd. through Sand Ford, 1 mi. SE. of Reedville School, 15 ft. W. of rd., in root on E. side of 20-in. post-oak tree; copper nail and washer	826.02
Stanton, 7.7 mi. SE. of, along rd. through Sand Ford, near line between secs. 9 and 16, T. 40 N., R. 1 W., 39 ft. W. of N.-S. rd., 4 1/2 ft. N. of rd. W., in concrete post; standard tablet stamped "904 C W A 1934"	896.561
Silver Hollow, 150 ft. W. of creek, 1 1/2 ft. S. of Reedville rd., in root on S. side of 12-in. walnut tree; copper nail and washer	726.01
Junction of Reedville and Richwoods rds., 55 ft. N. of rd. corner from SE.-W., 10 ft. E. of junction of rd. NE., in root on W. side of 2 1/2-in. post-oak tree; copper nail and washer	867.67
Sullivan, 5 mi. E. of, along rd. through Meramec State Park, in NE 1/4 sec. 18, T. 40 N., R. 1 W., 10 ft. N. and 45 ft. E. from junction of T.-rd. S., in concrete post; standard tablet stamped "905 C W A 1934"	704.108
Hamilton School, about 0.5 mi. N. of, on Algire rd., 1.6 mi. S. of junction of Richwoods rd., 20 ft. E. of rd., in root on N. side of 12-in. post-oak tree; copper nail and washer	806.06
Sullivan, 7.4 mi. SE. of, on line between secs. 29 and 30, T. 40 N., R. 1 W., 32 ft. S. and 39 ft. W. from rd. fork NE., in concrete post; standard tablet stamped "906 C W A 1934"	663.982
Sullivan, 8.3 mi. SE. of, 0.9 mi. E. of junction of Algire and Jules Creek rds., about 0.2 mi. E. of log dwelling, on S. side of rd., in root on N. side of 28-in. Spanish-oak tree; copper nail and washer	716.00
Sullivan, 9.4 mi. SE. of, in SE 1/4 sec. 28, T. 40 N., R. 1 W., 22 ft. N. and 10 ft. E. from crossroads, in concrete post; standard tablet stamped "908 C W A 1934"	849.098
Sullivan, 10.7 mi. SE. of, 3.3 mi. E. of junction of Algire and Jules Creek rds., about 600 ft. E. of rd. in creek bed, in root on S. side of 2 1/2-in. white-oak tree; copper nail and washer	707.82

(For balance in Richwoods quadrangle, see line 4.)

T. 39 N., R. 1 W., in sec. 23, 1.4 mi. SW. of junction of old rd. to Potosi, 30 ft. S. of junction of dim rd. E., in root on NW. side of 18-in. water-oak tree; copper nail and washer	992.83
Anthonies Mill, about 1/2 mi. NE. of, on old Jefferson City rd., 25 ft. S. and 30 ft. W. from dim E.-W. cross rd., in root on E. side of 15-in. black-oak tree; copper nail and washer	1,037.75
Anthonies Mill, 3 mi. E. of, in NW 1/4 NE 1/4 sec. 28, T. 39 N., R. 1 W., 62 ft. N. and 45 ft. W. from junction of rds. SE. to Potosi and W. to Anthonies Mill, in concrete post; standard tablet stamped "912 C W A 1934"	1,065.357
T. 39 N., R. 1 W., in SE 1/4 sec. 22, 35 ft. S. of old Potosi-Sullivan rd., in root on S. side of 16-in. post-oak tree; copper nail and washer	980.53
T. 39 N., R. 1 W., in sec. 26, on Potosi-Sullivan rd., 2.2 mi. SE. of junction of old Jefferson City rd., 100 ft. E. of Indian Creek, 18 ft. E. of rd., 15 ft. W. of fence, in root on W. side of 32-in. bur-oak tree; copper nail and washer	754.55

(For balance in Richwoods quadrangle, see line 4.)

Undine, 3.5 mi. NE. of, in SW 1/4 sec. 14, T. 38 N., R. 1 W., 178 ft. N. and 40 ft. W. from NW. corner of dwelling of J. A. Yarbrough (45 ft. N. and 165 ft. W. from dwelling by levelman), 10 ft. N. of rd., 3 ft. N. of E.-W. fence, in concrete post; standard tablet stamped "926 C W A 1934"	984.124
Undine, 2.3 mi. NE. of, along Page School rd., at top of hill, 12 ft. E. of rd., in root on W. side of 24-in. black-oak tree; copper nail and washer	1,189.16

6. FROM POINT NEAR CENTER OF NORTHEAST QUARTER OF QUADRANGLE
NORTHWEST TO ELMONT

Hamilton Ford, 0.7 mi. SE. of, 50 ft. E. of Hamilton Creek, 8 ft. E. of rd., in fence line, in root on W. side of 36-in. elm tree; copper nail and washer	605.40
Hamilton Ford, 0.6 mi. W. of, near log dwelling, 70 ft. N. of rd., in root on N. side of 2 1/2-in. walnut tree; copper nail and washer	610.12
Sullivan, 3.4 mi. E. of, along rd. to Hamilton Ford, 15 ft. S. of rd., in root on NE. side of 1 1/2-in. black-oak tree; copper nail and washer	772.40
Sullivan, 3 mi. SE. of, along rd. to Hamilton Ford, 25 ft. N. of junction of rd. SW., 2 ft. N. of E.-W. fence, in concrete post; standard tablet stamped "907 C W A 1934"	872.021
Sullivan, 2 mi. SE. of, along rd. to Hamilton Ford, about 620 ft. NW. of rd. fork SE., at W. end of large refuse dump, in root on N. side of 32-in. black-oak tree; copper nail and washer	914.59
Sullivan, 1 mi. E. of, along rd. to Hamilton Ford, about 300 ft. S. and 30 ft. E. from cor. secs. 9, 10, 15, and 16, T. 40 N., R. 2 W., 40 ft. E. of rd., in root on W. side of 20-in. white-oak tree; copper nail and washer	971.91
Sullivan, 0.6 mi. W. of St. Louis-San Francisco Ry. sta., 30 ft. N. and 90 ft. E. from junction of U.S. Highway 66 and County Route H, in root on W. side of 2 1/2-in. elm tree; copper nail and washer	935.28
Sullivan, 1.7 mi. W. of, along County Route H, in sec. 7, T. 40 N., R. 2 W., 300 ft. E. of highway at rd. junction, on lane to dwelling of Joseph Nollie, on E. end of iron pipe culvert; painted square	960.60

Sullivan, 2.3 mi. W. of, along County Route H, 30 ft. S. and 230 ft. W. from junction of rd. S., in root on N. side of 18-in. post-oak tree; copper nail and washer	<u>Feet</u> 945.36
Sullivan, 3.3 mi. NW. of, along County Route H, in NW 1/4 sec. 12, T. 40 N., R. 3 W., 11 ft. S. and 75 ft. E. from junction of rd. W., 9 ft. N. and 12 ft. W. from fence corner, in concrete post; standard tablet stamped "901 C W A 1934"	935.166
Sullivan, 4.1 mi. NW. of, along County Route H, in sec. 2, T. 40 N., R. 3 W., 210 ft. S. and 180 ft. E. from junction of rd. S., in root on S. side of 32-in. post-oak tree; copper nail and washer	958.39
Elmont, 55 ft. N. and 30 ft. W. from post office, on NW. corner of N. head wall of concrete culvert; chiseled square	972.14
7. FROM SULLIVAN NORTHEAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO NORTH BORDER OF QUADRANGLE	
Sullivan, 1.2 mi. NE. of, along St. Louis-San Francisco Ry., 12 ft. E. of track, on SE. corner pier of State Highway 114 bridge; chiseled square	926.54
Sullivan, 2.3 mi. NE. of, along St. Louis-San Francisco Ry., 10 ft. N. of track, on S. side of concrete base of semaphore 659, on W. anchor bolt; paint mark	870.36
Sullivan, 3.6 mi. NE. of, along St. Louis-San Francisco Ry., 15 ft. E. of track, on W. side of concrete base of semaphore 646, on top of N. anchor bolt; paint mark	900.31
8. FROM POINT 2.6 MILES NORTHEAST OF ANTHONIES MILL, NORTHWEST TO BOURBON	
Anthones Mill, 2.6 mi. NE. of, on old Jefferson City rd., 120 ft. S. and 50 ft. E. from Dilk dwelling, 6 ft. E. of rd., in root on W. side of 16-in. post-oak tree; copper nail and washer	1,077.55
Anthones Mill, 1.6 mi. NE. of, on old Jefferson City rd., in NW 1/4 sec. 20, T. 39 N., R. 1 W., 15 ft. S. of rd., in root on NE. side of 26-in. white-oak tree; copper nail and washer	944.77
Anthones Mill, 0.5 mi. E. of, along rd. to Potosi, in SW 1/4 sec. 19, T. 39 N., R. 1 W., 59 ft. N. and 24 ft. W. from junction of T-rd. N., 34 ft. N. and 20 ft. W. from small wooden bridge, 4 ft. W. of N.-S. fence, in concrete post; standard tablet stamped "913 C W A 1934"	704.031
Anthones Mill, 0.9 mi. NW. of, in NW 1/4 sec. 24, T. 39 N., R. 2 W., about 400 ft. SW. of dwelling of Henry Merkel, 15 ft. S. of rd., in root on W. side of 18-in. sugar-maple tree; copper nail and washer	664.50
T. 39 N., R. 2 W., near center sec. 14, on Anthones Mill rd., 110 ft. W. of wooden bridge, 45 ft. W. of junction of lane NE., in root on S. side of 32-in. water-oak tree; copper nail and washer	645.20
Vilander, in NE 1/4 sec. 15, T. 39 N., R. 2 W., 480 ft. E. of only dwelling, 10 ft. N. of rd., in concrete post; standard tablet stamped "915 C W A 1934"	638.861
T. 39 N., R. 2 W., near NE. cor. sec. 16, about 50 ft. N. of lane W. to Ben Harrison Ford, 15 ft. from rd., in root on E. side of 14-in. elm tree; copper nail and washer	637.15
Bourbon, 8.5 mi. SE. of, along County Route N., in SE 1/4 sec. 21, T. 39 N., R. 2 W., 17 ft. N. of rd. junction, 8 ft. N. and 52 ft. W. from cross fences, in concrete post; standard tablet stamped "916 C W A 1934"	694.157
Bourbon, about 7.5 mi. SE. of, along County Route N., in NW 1/4 sec. 20, T. 39 N., R. 2 W., at top of hill, 70 ft. E. of rd. SW., 30 ft. N. of highway, in root on S. side of 14-in. white-oak tree; copper nail and washer	907.36
Bourbon, about 6.5 mi. SE. of, along County Route N., center sec. 18, T. 39 N., R. 2 W., opposite Pleasant Ridge School, 30 ft. N. of highway, in root on S. side of 24-in. black-oak tree; copper nail and washer	882.29
Bourbon, 5.5 mi. SE. of, along County Route N., in SW 1/4 sec. 7, T. 39 N., R. 2 W., 48 ft. N. and 12 ft. W. from junction of rd. Sw., 4 ft. S. of fence corner, in concrete post; standard tablet stamped "917 C W A 1934"	804.741
Bourbon, about 4.5 mi. SE. of, along County Route N., in NW 1/4 sec. 7, T. 39 N., R. 2 W., 600 ft. S. of junction of rd. E., 12 ft. W. of highway, on center of head wall of concrete culvert; chiseled square	642.22
Bourbon, 3.7 mi. SE. of, along County Route N., in SE 1/4 sec. 1, T. 39 N., R. 3 W., 35 ft. E. of highway, 20 ft. S. of rd. E., in root on SW. side of 20-in. white-oak tree; copper nail and washer	676.48
Bourbon, 3 mi. SE. of, along County Route N., near line between secs. 1 and 2, T. 39 N., R. 3 W., 30 ft. N. of highway, in root on S. side of 12-in. post-oak tree; copper nail and washer	724.77
Bourbon, 1.9 mi. SE. of, along County Route N., in NE 1/4 sec. 3, T. 39 N., R. 3 W., 56 ft. W. of junction of rd. NW., 4 ft. N. of tree at fence corner, in concrete post; standard tablet stamped "918 C W A 1934"	762.536
Bourbon, 1 mi. SE. of, along County Route N., 100 ft. S. of junction of rd. W., 15 ft. W. of highway, on center of head wall of concrete culvert; chiseled square	778.11
Bourbon, at NE. edge of porch of Bourbon Hotel, in concrete step; standard tablet stamped "919 C W A 1934"	956.015

(Continued in Sullivan No. 3 quadrangle; see line 7.)

9. FROM VILANDER NORTH ABOUT 3 MILES

T. 39 N., R. 2 W., in NW 1/4 sec. 11, about 500 ft. W. of abandoned coal mine, 55 ft. N. of log dwelling, 20 ft. S. of rd., in root on N. side of 24-in. white-oak tree; copper nail and washer	<u>Feet</u> 821.36
T. 39 N., R. 2 W., in NW 1/4 sec. 11, in Crows Creek Hollow, 150 ft. N. of pasture gate, 15 ft. E. of rd., in root on S. side of 24-in. black-oak tree; copper nail and washer	762.40
Anthones Mill, 4 mi. N. of, in NW 1/4 sec. 2, T. 39 N., R. 2 W., 18 ft. S. and 6 ft. W. from rd. at fence S., 35 ft. S. of E.-W. fence, in concrete post; standard tablet stamped "914 C W A 1934"	895.824

10. FROM HINCH SOUTHWEST ABOUT 1.5 MILES

Hinch, 0.7 mi. NE. of new post office, along Scotia rd., 45 ft. S. and 10 ft. E. from junction of rd. SE., opposite rd. fork NW., in root on N. side of 14-in. post-oak tree; copper nail and washer	807.04
Hinch, at new post office, on NW. corner of bottom concrete step; chiseled square	752.21
Hinch, 1.5 mi. SW. of new post office, along Scotia rd., 100 ft. W. and 45 ft. E. from fence corner, 15 ft. E. of rd., in root on S. side of 12-in. water-oak tree; copper nail and washer	941.86

11. SOUTH ALONG NORTH HALF OF WEST BORDER OF QUADRANGLE

T. 40 N., R. 3 W., in NW 1/4 sec. 11, 20 ft. N. and 20 ft. E. from crossroads, in root on E. side of 14-in. post-oak tree; copper nail and washer	950.84
Bourbon, 4 mi. N. of, E. sixteenth cor. sec. 15, T. 40 N., R. 3 W., 55 ft. S. and 15 ft. W. from stone at crossroads, 3 ft. W. of N.-S. fence, in concrete post; standard tablet stamped "923 C W A 1934"	844.215

(For balance in Sullivan No. 3 quadrangle, see line 6.)

T. 40 N., R. 3 W., near E.-W. center line sec. 27, on Bourbon-Elmont rd., 70 ft. S. and 40 ft. E. from junction of lane N., on E. guardrail of concrete bridge; chiseled square	875.59
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12. IN NORTHWEST CORNER OF QUADRANGLE (by C. P. Thompson in 1935)
(Continued from Sullivan No. 1 quadrangle; see line 4.)

Elmont, 0.6 mi. N. of, in SE 1/4 SW 1/4 sec. 34, T. 41 N., R. 3 W., 40 ft. E. of center of triangle at rd. forks, 2 ft. W. of fence, in concrete post; standard tablet stamped "T T 945 C 1934"	972.659
Reference mark, 24 ft. E. of tablet, in root on W. side of 16-in. post-oak tree; copper nail and washer	972.12

(Continued in Sullivan No. 3 quadrangle; see line 12.)

13. SOUTH ALONG SOUTH HALF OF WEST BORDER OF QUADRANGLE

Bourbon, 1.2 mi. S. of, in NE 1/4 sec. 4, T. 39 N., R. 3 W., on top of ridge, 15 ft. E. of rd., at gatepost, in root on S. side of 20-in. white-oak tree; copper nail and washer	929.24
Bourbon, 2 mi. S. of, in E 1/2 sec. 4, T. 39 N., R. 3 W., 48 ft. SE. of rd. fork SW., on W. end of N. concrete abutment of wooden bridge over creek; chiseled square	805.83
Bourbon, 2.7 mi. S. of, near N. sixteenth cor. between secs. 9 and 10, T. 39 N., R. 3 W., 40 ft. S. and 25 ft. W. from T-rd. W. and fence E., in concrete post; standard tablet stamped "T T 1717 E R A 1935"	926.255
Bourbon, 4 mi. S. of, about 500 ft. W. of N. sixteenth cor. between secs. 15 and 16, T. 39 N., R. 3 W., 7 ft. N. and 20 ft. E. from rd. forks, in fence line, in root on W. side of 20-in. oak tree; copper nail and washer	859.51

(For balance in Sullivan No. 3 quadrangle, see line 10.)

Leasburg, 3.2 mi. E. of, along County Route H, in SW 1/4 SW 1/4 sec. 22, T. 39 N., R. 3 W., 24 ft. N. and 22 ft. E. from highway in line with S. fence of barn lot on land belonging to West estate, 5 ft. S. and 2 ft. W. (5 ft. W. and 2 ft. S. by levelman) from fence corner, in concrete post; standard tablet stamped "T T 1718 E R A 1935"	908.877
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(For balance in Sullivan No. 3 quadrangle, see line 10.)

Cross Roads Baptist Church, 1.6 mi. S. of, in NE 1/4 SE 1/4 sec. 33, T. 39 N., R. 3 W., 56 ft. S. and 56 ft. E. from rd. fork E., at fence corner, in root on W. side of 18-in. oak tree; copper nail and washer	914.45
T. 38 N., R. 3 W., 30 ft. N. and 3 ft. W. from approximate center of NW 1/4 sec. 3, 17 ft. N. and 3 ft. W. from rd. at fence N., 2 ft. S. and 3 ft. W. from gatepost at log dwelling of R. A. West, in concrete post; standard tablet stamped "T T 1719 E R A 1935"	897.944
T. 38 N., R. 3 W., in NE 1/4 sec. 10, on ridge, 60 ft. S. of rd. forks, in root on E. side of 12-in. white-oak tree; copper nail and washer	807.06

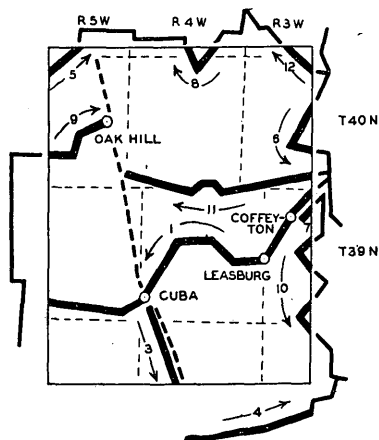
14. IN NORTHEAST CORNER OF QUADRANGLE

	Feet
T. 40 N., R. 1 W., near N. sixteenth cor. between secs. 3 and 4, 95 ft. W. of boundary line of Meramec State Park, 12 ft. S. of rd., in root on N. side of 10-in. post-oak tree; copper nail and washer	787.80
Tps. 40 and 41 N., R. 1 W., near quarter cor. between secs. 3 and 34, 50 ft. E. of branch, 20 ft. N. and 12 ft. E. from junction of rd. E., at corner fence post, in root on NW. side of 8-in. walnut tree; copper nail and washer	591.45
Stanton, 9.3 mi. SE. of, along rd. through Sand Ford, in NW 1/4 sec. 2, T. 40 N., R. 1 W., 33 ft. S. of rd., 31 ft. W. of gate at entrance to dim rd. SE., 4 ft. S. of E.-W. fence, in concrete post; standard tablet stamped "920 C W A 1934"	816.911

(Continued in Richwoods quadrangle; see line 5.)

SULLIVAN NO. 3 QUADRANGLE
(Latitude 38°00'-38°15'; longitude 91°15'-91°30')

Crawford, Franklin, and Gasconade Counties



1. FROM EAST BORDER OF QUADRANGLE, SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO WEST BORDER (first-order leveling by E. L. McNair in 1908)

(Continued from Sullivan No. 4 quadrangle; see line 1.)

Coffeyton, on St. Louis-San Francisco Ry., opposite semaphore stand, 80 ft. W. of track, 110 ft. N. of white-oak tree, 2 ft. from picket fence; iron post stamped "1036"	1,025.161
Coffeyton, in front of St. Louis-San Francisco Ry. sta.; top of rail	1,022.8
Leasburg, about 35 ft. E. of St. Louis-San Francisco Ry. sta., 2 ft. from corner of old Exchange Hotel, in W. foundation wall; aluminum tablet stamped "1036"	1,024.296
Hofflin, about 700 ft. E. of St. Louis-San Francisco Ry. sta., on S. side of track, 6 ft. from right-of-way fence, about 7 ft. above track; iron post stamped "1049"	1,037.190
Hofflin, in front of St. Louis-San Francisco Ry. sta.; top of rail	1,038.6
Cuba, in front of St. Louis-San Francisco Ry. sta.; top of rail	1,015.0
Cuba, near St. Louis-San Francisco Ry. tracks, in foundation of Grand Hotel building; aluminum tablet stamped "St L 1033"	1,034.667
Fanning, in front of St. Louis-San Francisco Ry. sta.; top of rail	1,058.6

(Continued in Redbird quadrangle; see line 1.)

2. ISOLATED BENCHMARKS (not shown on diagram) (by Jesse L. Holman and H. V. Rees in 1899. Elevations are doubtful because of an excessive closure.)

Oak Hill, in NW 1/4 sec. 18, T. 40 N., R. 4 W., in foundation of post office; aluminum tablet stamped "St L 749"	750.740
Oak Hill, 3.2 mi. SW. of, along Jake Prairie-Oak Hill rd., in NW 1/4 sec. 22, T. 40 N., R. 5 W., at cross rd.; iron post stamped "St L 963"	965.386
Jacobston, 0.1 mi. W. of post office, in NW 1/4 sec. 12, T. 39 N., R. 5 W., 30 ft. S. of Cuba-Jake Prairie rd., in rock bluff; aluminum tablet stamped "St L 852"	853.172

3. FROM CUBA SOUTH ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO SOUTH BORDER OF QUADRANGLE (by E. C. Bibbee in 1914)

	<u>Feet</u>
Cuba, 1.4 mi. S. of, along St. Louis-San Francisco Ry., 50 ft. E. of rd. forks, 25 ft. W. of track, on limestone ledge; chiseled square	1,019.17
Cuba, 2.1 mi. S. of, along St. Louis-San Francisco Ry., 25 ft. E. of track, 2 ft. W. of E. property line, on N. side of abandoned rd.; iron post stamped "966"	968.264
Cuba, 2.3 mi. S. of, along St. Louis-San Francisco Ry., 0.2 mi. E. of Oak Ridge School, 40 ft. W. of track, 2 ft. S. of N. property line; iron post stamped "Mo 953"	952.183
Cuba, 3.4 mi. S. of, along St. Louis-San Francisco Ry., 300 ft. S. of milepost marked "St Louis 90 miles", in SW. corner of trestle 901; driftbolt	858.97

4. FROM STEELVILLE NORTHEAST TO POINT NEAR SOUTHEAST CORNER OF QUADRANGLE (in Steelville quadrangle)
(by L. V. Johnson in 1932)

Steelville, 0.9 mi. E. of, along State Highway 8, in wing wall at SW. corner of concrete bridge over Whittenburg Creek; chiseled square	736.45
Steelville, 1.8 mi. E. of, along State Highway 8, near top of hill, 38 ft. S. and 5 ft. W. from highway at private rd. S., 70 ft. SE. of mail box of Ed Viehman, in root on N. side of triangular-blazed 15-in. oak tree; copper nail and washer	903.54
Steelville, 2.8 mi. E. of, along State Highway 8, 200 ft. E. of highway at rd. E. to Scotia, 15 ft. S. of E.-W. rd., 60 ft. N. of highway, in root on W. side of 12-in. oak tree; copper nail and washer	919.15
Steelville, 3 mi. E. of, along Scotia-Steelville rd., in SW 1/4 sec. 30, T. 38 N., R. 3 W., 60 ft. SE. of front door of dwelling of Joe Pinson, 22 ft. N. of rd., in fence corner, in concrete post; standard tablet stamped "P T Sta No 107 S 1926"	959.338
Steelville, 4.1 mi. E. of, along Scotia-Steelville rd., near W. sixteenth cor. sec. 29, T. 38 N., R. 3 W., 27 ft. N. and 12 ft. E. from rd. fork N., 12 ft. N. and 25 ft. W. from rd. fork S., in root on S. side of 18-in. oak tree; copper nail and washer	991.23
Steelville, 5 mi. E. of, along Scotia-Steelville rd., in NE 1/4 NE 1/4 sec. 29, T. 38 N., R. 3 W., 35 ft. N. and 115 ft. E. from small bridge over drain, 25 ft. S. of rd., in root on W. side of 30-in. oak tree; copper nail and washer	883.54
Steelville, 5.8 mi. NE. of, along Scotia-Steelville rd., 4 mi. SW. of Scotia, in NE 1/4 sec. 28, T. 38 N., R. 3 W., 150 ft. NW. of dwelling of F. C. Wallis, at SW. corner of junction of lane S., in concrete post; standard tablet stamped "P T Sta No 108 S 1926"	1,001.638
Reference mark, 8 ft. SE. of tablet, in root on N. side of large oak tree; copper nail and washer	1,001.65

5. IN NORTHWEST CORNER OF QUADRANGLE (by L. V. Johnson in 1933)
(Continued from Redbird quadrangle; see line 2.)

Island School, 0.5 mi. E. of, near S. cor. secs. 32 and 33, T. 41 N., R. 5 W., 21 ft. N. of T-rd. S., 5 ft. N. of fence corner, in concrete post; standard tablet stamped "T 11 J 1933"	946.384
Reference mark, 25 ft. E. of tablet, in root on SE. side of 18-in. oak tree; copper nail and washer	945.04
T. 41 N., R. 5 W., quarter cor. between secs. 33 and 34, 5 ft. S. and 10 ft. W. from rd. fork W., in triangle formed by rd. forks, in root on N. side of 15-in. oak tree; copper nail and washer	871.40

(Continued in Gerald quadrangle; see line 3.)

6. NEAR MIDDLE OF NORTH HALF OF EAST BORDER OF QUADRANGLE (by Cornish Beck in 1934)
(Continued from Sullivan No. 4 quadrangle; see line 11.)

T. 40 N., R. 3 W., in NW 1/4 sec. 22, at rd. corner, opposite farmhouse, in root on N. side of 6-in. blackjack-oak tree; copper nail and washer	871.96
T. 40 N., R. 3 W., cor. secs. 21, 22, 27, and 28, 15 ft. N. and 10 ft. W. from Bourbon-Elmont rd. at rd. W. to Japan, in root on E. side of 24-in. blackjack-oak tree; copper nail and washer	859.05

(Continued in Sullivan No. 4 quadrangle; see line 11.)

7. FROM EAST BORDER OF QUADRANGLE, SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO COFFEYTON
(Continued from Sullivan No. 4 quadrangle; see line 8.)

Bourbon, 1.3 mi. SW. of, along St. Louis-San Francisco Ry., 30 ft. W. of rd. crossing, at base of semaphore, on top of SW. anchor bolt; chiseled cross	992.69
Bourbon triangulation sta., 2.1 mi. SW. of Bourbon, along St. Louis-San Francisco Ry., 151 ft. from NE. corner of Hi Hill filling sta., 43 ft. S. of U.S. Highway 66, 18 ft. from R.R. right-of-way fence, in concrete post; U.S.C. & G.S. standard disk stamped "Bourbon 1933"	1,022.849
Reference mark 1, 96 ft. NE. of sta., inside of R.R. right-of-way fence, in concrete post; U.S.C. & G.S. standard disk stamped "Bourbon Ref 1933"	1,021.27
Bourbon, 2.6 mi. SW. of, along St. Louis-San Francisco Ry., at base of semaphore 767, on SE. anchor bolt; chiseled cross	1,031.70

8. NEAR MIDDLE OF NORTH BORDER OF QUADRANGLE (by C. P. Thompson in 1934)

(Continued from Gerald quadrangle; see line 6.)

T. 41 N., R. 4 W., about 500 ft. S. of center sec. 34, 40 ft. N. and 18 ft. E. from rd. forks, on property of Izzie Chappal, in root on SW. side of 14-in. white-oak tree; copper nail and washer	Feet 787.91
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(Continued in Gerald quadrangle; see line 6.)

9. FROM POINT NEAR MIDDLE OF NORTH HALF OF WEST BORDER OF QUADRANGLE, NORTHEAST TO OAK HILL (by G. L. Krattler and L. E. Grafft in 1934)

(Continued from Redbird quadrangle; see line 5.)

T. 40 N., R. 5 W., in SE 1/4 sec. 21, 95 ft. E. of rd. to Oak Hill, 25 ft. S. of rd. to High Point School, in base of 15-in. post-oak tree; nail and washer	989.56
T. 40 N., R. 5 W., in E 1/2 sec. 21, 37 ft. S. and 28 ft. E. from T-rd. E., 2 ft. E. of 15-in. post-oak tree; painted rock	948.60
Oak Hill, 3.2 mi. SW. of, in NW. cor. sec. 22, T. 40 N., R. 5 W., 40 ft. N. of rusted iron post stamped "St L 963", in concrete post; standard tablet	964.936
Oak Hill, 2 mi. SW. of, in N 1/2 sec. 22, T. 40 N., R. 5 W., 18 ft. S. and 75 ft. W. from dim T-rd. S., in base of 30-in. black-oak tree; nail and washer	920.91
Oak Hill, 0.8 mi. SW. of, in sec. 14, T. 40 N., R. 5 W., 65 ft. S. of junction of rds., in base of 36-in. white-oak tree; nail and washer	925.07

10. NEAR MIDDLE OF SOUTH HALF OF EAST BORDER OF QUADRANGLE (by C. P. Thompson in 1935)

(Continued from Sullivan No. 4 quadrangle; see line 13.)

Bourbon, 5.3 mi. S. of, 380 ft. S. and 33 ft. W. from approximate quarter cor. between secs. 16 and 21, T. 39 N., R. 3 W., 100 ft. W. of dwelling of F. Papineau, 33 ft. W. of rd., in root on E. side of 8-in. white-oak tree; copper nail and washer	897.10
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(For balance in Sullivan No. 4 quadrangle, see line 13.)

Cross Roads Baptist Church, 0.7 mi. S. of, near center sec. 28, T. 39 N., R. 3 W., 40 ft. S. and 15 ft. W. from rd. fork W., 18 ft. E. of rd., in root on W. side of 22-in. black-oak tree; copper nail and washer	941.49
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(Continued in Sullivan No. 4 quadrangle; see line 13.)

11. FROM POINT NEAR MIDDLE OF EAST BORDER OF QUADRANGLE, WEST TO STATE HIGHWAY 19

Bourbon, 1 mi. W. of, along County Route C, near center of SE 1/4 sec. 33, T. 40 N., R. 3 W., on S. end of middle one of three galvanized iron pipe culverts; painted square	893.28
Bourbon, 2.1 mi. W. of, along County Route C, about 600 ft. E. of approximate E. sixteenth cor. sec. 32, T. 40 N. R. 3 W., on N. end of 30-in. galvanized iron pipe culvert; (mark not described)	938.32
Bourbon, 3 mi. W. of, along County Route C, near quarter cor. between secs. 31 and 32, T. 40 N., R. 3 W., 47 ft. N. and 40 ft. W. from junction of rd. N., 47 ft. N. and 25 ft. W. from highway at fences N. and S., 2 ft. S. and 25 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 1713 E R A 1935"	966.029
Bourbon, 3.4 mi. W. of, near NE. cor. sec. 1, T. 39 N., R. 4 W., 15 ft. S. of T-rd. N., in root on N. side of 12-in. post-oak tree; copper nail and washer	907.22
T. 40 N., R. 3 W., near SW. cor. sec. 31, in fence corner, on N. side of 16-in. oak tree; copper nail and washer	942.19
T. 40 N., R. 4 W., near SW. cor. sec. 36, 15 ft. N. of rd., 6 ft. W. of fence N., in root on S. side of 14-in. oak tree; copper nail and washer	913.15
T. 40 N., R. 4 W., near center of SW 1/4 sec. 35, 20 ft. N. (6 ft. N. by levelman) and 37 ft. W. from T-rd. W., 7 ft. N. of 14-in. oak tree in fence corner, in concrete post; standard tablet stamped "T T 1715 E R A 1935"	826.392
T. 40 N., R. 4 W., about 800 ft. W. of S. quarter cor. sec. 34, 18 ft. N. and 135 ft. E. from T-rd. S. at N. quarter cor. sec. 4, T. 39 N., R. 4 W., in fence line, in root on NW. side of 18-in. wild-cherry tree; copper nail and washer	879.02
T. 40 N., R. 4 W., about 0.2 mi. E. of SW. cor. sec. 33, 25 ft. N. of junction of private rd. N., at gatepost in fence corner, in root on S. side of 16-in. oak tree; copper nail and washer	945.26
Bailey School, 104 ft. N. and 6 ft. E. from NW. corner of, near N. quarter cor. sec. 6, T. 39 N., R. 4 W., 21 ft. N. and 65 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 1716 E R A 1935"	989.453
T. 39 N., R. 5 W., about 840 ft. E. of N. quarter cor. sec. 1, 30 ft. W. of ford, 18 ft. S. of rd., in root on NW. side of 30-in. oak tree; copper nail and washer	892.88

Cuba, 7 mi. N. of, along State Highway 19, 35 ft. N. of approximate SW. cor. sec. 31, T. 40 N., R. 4 W., 0.6 mi. NE. of bridge over creek, 35 ft. N. and 55 ft. E. from junction of rd. E., 20 ft. N. of fence corner, 4 ft. W. of fence, in concrete post; standard tablet stamped "T T 57 B 1932"

Feet

943.338

914.122

U.S.C. & G.S. standard disk stamped "C 104 1935"

12. IN NORTHEAST CORNER OF QUADRANGLE

(Continued from Sullivan No. 4 quadrangle; see line 12.)

Elmont triangulation sta., 0.5 mi. W. of Elmont, along County Route H, in NW 1/4 sec. 3, T. 40 N., R. 3 W., on highest point of ridge, on property of David Datter, about 150 meters (492 ft.) N. of rd., opposite dwelling, in concrete post; U.S.C. & G.S. standard disk stamped "Elmont 1933"

994.083

Reference mark 1, 52.2 meters (171 ft.) NW. of sta., near edge of ridge around pond, in concrete post; U.S.C. & G.S. standard disk stamped "Elmont Ref 1933"

989.214

Reference mark 2, 134 meters (440 ft.) E. of sta., in N.-S. fence line, in concrete post; U.S.C. & G.S. standard disk stamped "Elmont Ref 1933"

993.121

T. 41 N., R. 3 W., near E. sixteenth cor. sec. 33, on top of ridge, 48 ft. E. of rd. at curve, in gatepost, in root on NW. side of 16-in. white-oak tree; copper nail and washer

899.86

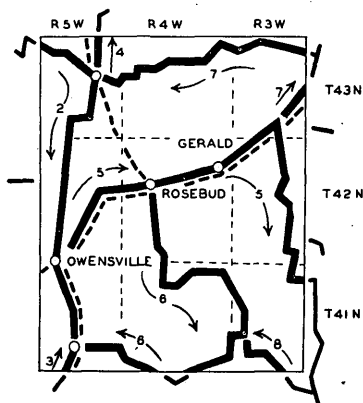
(Continued in Gerald quadrangle; see line 8.)

For additional level lines along St. Louis-San Francisco Ry. and State Highway 19, refer to United States Coast and Geodetic Survey second-order lines, Cuba to Eminence and Owensville to Cuba.

GERALD QUADRANGLE

(Latitude 38°15'-38°30'; longitude 91°15'-91°30')

Franklin and Gasconade Counties



1. ISOLATED BENCHMARKS (not shown on diagram)

(by Jesse L. Holman and H. V. Rees in 1899. Elevations are doubtful because of an excessive closure.)

Cedar Fork, in NE 1/4 sec. 19, T. 43 N., R. 3 W., 300 ft. W. of former post office, in root of oak tree; nail

813.67

Beemont, 2.5 mi. SE. of, along State rd., in NE 1/4 sec. 23, T. 43 N.,

797.420

R. 4 W., in sandstone ledge; aluminum tablet stamped "St L 795"

870.655

Drake, in foundation of post office; aluminum tablet stamped "St L 868"

Shotwell, center sec. 7, T. 42 N., R. 3 W., in foundation of former post

857.174

office; aluminum tablet stamped "St L 855"

Bourbeuse, 0.2 mi. W. of post office, on Springfield rd., in NE 1/4 sec.

899.050

17, T. 42 N., R. 4 W., in foundation of Wortmann's stone building;

aluminum tablet stamped "St L 897"

T. 42 N., R. 5 W., in SE 1/4 sec. 23, on Springfield rd., in foundation

923.185

of Holt dwelling; aluminum tablet stamped "St L 921"

Japan, 3 mi. N. of, on rd. to Champion, in NE 1/4 sec. 19, T. 41 N.,

778.839

R. 3 W., NE. of crossroads; iron post stamped "St L 778"

Tea, in SW 1/4 sec. 8, T. 41 N., R. 4 W., in foundation of stone building

742.144

of T. H. Mathews; aluminum tablet stamped "St L 740"

Bem, near center sec. 27, T. 41 N., R. 5 W., in yard of pest office; iron

835.510

post stamped "St L 833"

2. SOUTH ALONG WEST BORDER OF QUADRANGLE (by L. V. Johnson in 1933)
(Continued from Bland quadrangle; see line 8.)

	Feet
Drake, 2.1 mi. W. of, along U.S. Highway 50, 1 mi. E. of Neese School, in NW 1/4 sec. 16, T. 43 N., R. 5 W., 55 ft. E. of junction of rd. NW., 37 ft. NE. of highway, 15 ft. S. 70° E. of triangular-blazed oak tree, in concrete post; standard tablet stamped "T T 49 B 1932"	829.285
Reference mark, 30 ft. NW. of tablet, in root on N. side of 10-in. oak tree; copper nail and washer	829.01
Drake, 1.1 mi. W. of, along U.S. Highway 50, 30 ft. S. and 70 ft. W. from junction of rd. SW., in root on N. side of 18-in. oak tree; copper nail and washer	824.44
Drake, in foundation of post office; aluminum tablet stamped "St L 868"	870.655
Reference mark, 60 ft. S. of tablet, on W. head wall of concrete culvert; chiseled square	862.17
Drake, 0.7 mi. S. of, along U.S. Highway 50, 50 ft. S. and 30 ft. W. from junction of rd. SW., 3 ft. S. of stop sign, in root on N. side of 10-in. oak tree; copper nail and washer	876.52
T. 43 N., R. 5 W., in NW 1/4 sec. 27, on Old Iron Road, in creek bottom, 15 ft. S. and 30 ft. E. from center of triangle formed by junction of rd. SE., in root on NW. side of 8-in. elm tree; copper nail and washer	703.13
T. 43 N., R. 5 W., in SE 1/4 sec. 28, on Old Iron Road, 40 ft. S. and 20 ft. W. from junction of rd. SW., 15 ft. SW. of mail box of Mrs. C. Kahle, in root on N. side of 12-in. oak tree; copper nail and washer	801.64
Owensville, 6.2 mi. N. of, along Old Iron Road, in SW 1/4 NE 1/4 sec. 33, T. 43 N., R. 5 W., 20 ft. S. and 50 ft. E. from junction of rd. SE. to Shelton farm, 9 ft. S. 10° E. of triangular-blazed 10-in. white-oak tree, in concrete post; standard tablet stamped "T T 50 B 1932 891"	890.826
Reference mark, 10 ft. W. of tablet, in root of triangular-blazed oak tree; copper nail and washer	890.92
Owensville, 5.7 mi. N. of, along Old Iron Road, in SW 1/4 sec. 33, T. 43 N., R. 5 W., 25 ft. N. and 22 ft. E. from junction of rd. NW., in root on W. side of 12-in. oak tree; copper nail and washer	941.31
Owensville, 4.5 mi. N. of, along Old Iron Road, near S. quarter cor. sec. 4, T. 42 N., R. 5 W., 7 ft. N. and 65 ft. W. from junction of rd. W., on N. head wall of concrete culvert; chiseled square	935.13
Owensville, 4.2 mi. N. of, along Old Iron Road, in S 1/2 sec. 9, T. 42 N., R. 5 W., 7 ft. N. and 20 ft. W. from junction of rd. W., in root on SW. side of 18-in. oak tree; copper nail and washer	950.38
Owensville, 3.6 mi. N. of, along Old Iron Road, 50 ft. S. and 130 ft. E. from E. sixteenth cor. between secs. 9 and 16, T. 42 N., R. 5 W., 18 ft. SW. of curve in rd. from W.-SE., in concrete post; standard tablet stamped "T T 51 B 1932 940"	940.102
Reference mark, 18 ft. E. of tablet, in root on W. side of 20-in. oak tree; copper nail and washer	935.96
Owensville, 2.6 mi. NE. of, along Old Iron Road, in SW 1/4 sec. 15, T. 42 N., R. 5 W., 50 ft. N. and 15 ft. W. from junction of rd. E., in root on S. side of 15-in. oak tree; copper nail and washer	926.24
Owensville, 1.4 mi. NE. of, along Old Iron Road, in SE 1/4 sec. 21, T. 42 N., R. 5 W., about 800 ft. SW. of rd. corner, 20 ft. N. and 15 ft. W. from junction of private rd. N. to dwelling of H. C. Becker, in root on S. side of 24-in. oak tree; copper nail and washer	936.01
Owensville, 0.6 mi. NE. of, at SE. corner of St. Peter's Cemetery, 25 ft. W. of rd., in root on S. side of 24-in. hickory tree; copper nail and washer	940.92
Owensville, 1 block E. of post office, 35 ft. S. and 30 ft. W. from intersection of Cuba Street and Peters Avenue, in NE. corner of property of Mrs. H. Krause, in concrete post; standard tablet stamped "T T 52 B 1932 935"	934.795
Reference mark, 800 ft. S. of tablet, NW. of intersection of streets, on head wall of culvert; chiseled square	941.68
Owensville, 0.4 mi. E. of, 50 ft. S. and 30 ft. E. from junction of State Highways 19 and 28, on E. end of iron pipe culvert; chiseled square	949.01
Owensville, 0.8 mi. SE. of, along State Highway 19, 0.4 mi. S. of junction of State Highway 28, 30 ft. N. and 20 ft. E. from junction of rd. E. to Tea, on top of E. head wall of concrete culvert; chiseled square	931.20
Owensville, 2.1 mi. S. of, along State Highway 19, in NW 1/4 sec. 4, T. 41 N., R. 5 W., 50 ft. S. of cross rd., on top of S. head wall of concrete culvert; chiseled square	948.62
Owensville, 3 mi. S. of, along State Highway 19, in NE 1/4 sec. 9, T. 41 N., R. 5 W., in top of S. end of W. guardrail of concrete bridge over Red Oak Creek; standard tablet stamped "T T 53 B 1932 830"	830.615
Owensville, 4.1 mi. S. of, along State Highway 19, in NW 1/4 sec. 15, T. 41 N., R. 5 W., 25 ft. S. and 15 ft. W. from junction of rd. SW., on S. head wall of concrete culvert; chiseled square	967.40
Owensville, 5.8 mi. S. of, along State Highway 19, in SW 1/4 sec. 22, T. 41 N., R. 5 W., at SW. corner of bridge over Dry Fork Creek, in top of W. end of S. abutment; standard tablet stamped "T T 54 B 1932 745"	744.897
Reference mark, at NW. corner of bridge, on concrete abutment; chiseled square	745.14

3. IN SOUTHWEST CORNER OF QUADRANGLE

(Continued from Sullivan No. 3 quadrangle; see line 5.)

Bem, about 1 mi. S. of, in NW 1/4 sec. 34, T. 41 N., R. 5 W., 15 ft. N. and 80 ft. W. from NW. corner of St. John's Church, 12 ft. W. of rd., in root on E. side of 24-in. oak tree; copper nail and washer	949.29
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4. FROM DRAKE NORTH TO NORTH BORDER OF QUADRANGLE (by B. A. Barnes in 1934)

Drake, in SE 1/4 sec. 15, T. 43 N., R. 5 W., 114 ft. N. of corner of brick store building, 48 ft. W. of State Highway 19, in concrete post; standard tablet stamped "658 C W A 1934"	<u>Feet</u> 868.026
Drake, about 0.8 mi. N. of, along State Highway 19, near cor. secs. 10, 11, 14, and 15, T. 43 N., R. 5 W., SE. of junction of rd., E. of highway, on concrete culvert; chiseled square	892.70
Drake, about 1.4 mi. N. of, along State Highway 19, near quarter cor. between secs. 10 and 11, T. 43 N., R. 5 W., N. of lane leading to dwelling, E. of highway, in root of 8-in. wild-cherry tree; copper nail and washer	916.61
Drake, 1.7 mi. N. of, along State Highway 19, in NW 1/4 NW 1/4 sec. 11, T. 43 N., R. 5 W., on W. wall of concrete culvert; chiseled square	858.43

(Continued in Hermann No. 3 quadrangle; see line 1.)

5. FROM OWENSVILLE NORTHEAST ALONG STATE HIGHWAY 28 AND UNITED STATES HIGHWAY 50 TO POINT NEAR EAST BORDER OF QUADRANGLE; THENCE SOUTH ALONG EAST BORDER (by C. P. Thompson in 1934)

Owensville, 1.7 mi. NE. of, along State Highway 28, in NW 1/4 sec. 27, T. 42 N., R. 5 W., 200 ft. SW. of cross rd., 30 ft. NW. of highway, on NE. corner of NW. head wall of concrete culvert; (mark not described)	895.68
Owensville, 2.4 mi. NE. of, along State Highway 28, in SE 1/4 sec. 22, T. 42 N., R. 5 W., 20 ft. N. and 12 ft. W. from N.-S. cross rd., on N. end of W. head wall of concrete culvert; chiseled square	928.07
Owensville, 3 mi. NE. of, along State Highway 28, in NE 1/4 SW 1/4 sec. 23, T. 42 N., R. 5 W., about 100 ft. S. and 100 ft. E. from brick dwelling, 45 ft. S. of highway, in concrete post; standard tablet stamped "927 C 1934"	930.853
Owensville, 4.2 mi. NE. of, along State Highway 28, in SW 1/4 sec. 13, T. 42 N., R. 5 W., on N. end of W. guardrail of concrete bridge over Soap Creek; chiseled square	796.08
Owensville, 5.5 mi. NE. of, along State Highway 28, near W. quarter cor. sec. 18, T. 42 N., R. 4 W., 100 ft. E. of fence on range line, 20 ft. S. of highway, on W. end of S. head wall of concrete culvert; chiseled square	828.64
Rosebud, 0.5 mi. W. of, center of NE 1/4 sec. 18, T. 42 N., R. 4 W., 87 ft. N. and 200 ft. W. from junction of U.S. Highway 50 and State Highway 28, in root on S. side of 16-in. oak tree; copper nail and washer	922.38
Rosebud, 25 ft. S. and 26 ft. W. from iron pin at junction of U.S. Highway 50 and County Route T, in concrete post; standard tablet stamped "928 C 1934"	890.293
Reference mark, 246 ft. S. and 24 ft. W. from tablet, on N. end of bottom step to Methodist Church; chiseled square	886.69
Rosebud, 0.8 mi. E. of, along U.S. Highway 50, 230 ft. W. of approximate N. sixteenth cor. between secs. 16 and 17, T. 42 N., R. 4 W., 20 ft. S. of highway, on E. end of S. head wall of concrete culvert; chiseled square	877.01
Rosebud, 2 mi. E. of, along U.S. Highway 50, S. sixteenth cor. between secs. 9 and 10, T. 42 N., R. 4 W., 198 ft. S. and 66 ft. W. from highway at rd. N. on Gasconade-Franklin county line, about 100 ft. S. of Chicago Rock Island & Pacific Ry., in root on W. side of 12-in. hickory tree; copper nail and washer	896.78
Gerald, 1 mi. W. of, along U.S. Highway 50, 654 ft. N. of S. sixteenth cor. between secs. 10 and 11, T. 42 N., R. 4 W., 29 ft. N. of junction of rd. S., in concrete post; standard tablet stamped "936 C 1934"	872.965
Reference mark, 120 ft. E. of tablet, on W. end of N. head wall of concrete culvert; chiseled square	868.88
Gerald, 25 ft. N. and 15 ft. W. from junction of U.S. Highway 50, County Route H, and rd. N., on W. end of N. head wall of concrete culvert; chiseled square	885.35
Gerald, 1.2 mi. NE. of, along U.S. Highway 50, near E. quarter cor. sec. 1, T. 42 N., R. 4 W., 100 ft. N. and 70 ft. E. from junction of rd. E., about 40 ft. W. of St. Paul's Cemetery, on S. end of W. head wall of concrete culvert; chiseled square	876.25
Gerald, 2 mi. NE. of, along U.S. Highway 50, in NW 1/4 NW 1/4 sec. 6, T. 42 N., R. 3 W., 100 ft. N. and 100 ft. E. from junction of rd. NE., 37 ft. N. of highway, 10 ft. S. and 19 ft. W. from fence corner, in concrete post; standard tablet stamped "937 C 1934"	912.306
Reference mark, 14 ft. S. and 12 ft. W. from tablet, on top of concrete right-of-way marker; (mark not described)	912.67
Gerald, 3.7 mi. NE. of, along U.S. Highway 50, near quarter cor. between secs. 31 and 32, T. 43 N., R. 3 W., 40 ft. N. of highway, 10 ft. S. of fence, in root on E. side of 12-in. oak tree; copper nail and washer	914.82
Gerald, 4 mi. NE. of, along U.S. Highway 50, on line between secs. 32 and 33, T. 43 N., R. 3 W., at junction of County Route C, 25 ft. S. of Highway 50, on W. end of S. head wall of concrete culvert; chiseled square	911.27
Gerald, 5 mi. NE. of, along U.S. Highway 50, 300 ft. W. of approximate center of SE 1/4 sec. 33, T. 43 N., R. 3 W., 35 ft. S. and 15 ft. W. from highway at rds. E. and W., in concrete post; standard tablet stamped "938 C 1934"	884.325
Reference mark, 48 ft. N. and 25 ft. W. from tablet, on W. end of 18-in. tile drain; chiseled square	882.05
T. 42 N., R. 3 W., near N. sixteenth cor. sec. 4, at top of ridge, about 250 ft. S. of small cemetery, 225 ft. S. of E.-W. fence, 25 ft. E. of rd., in root on NE. side of 14-in. oak tree; copper nail and washer	905.21

T. 42 N., R. 3 W., about 600 ft. N. of quarter cor. between secs. 4 and 9, 30 ft. N. and 45 ft. E. from Old Springfield Road at rd. S., in root on S. side of 16-in. twin oak tree; copper nail and washer	Feet 830.75
T. 42 N., R. 3 W., in NE 1/4 NW 1/4 sec. 16, 30 ft. E. of rd. at curve SW., in edge of timber, in root on NW. side of 8-in. twin white-oak tree; copper nail and washer	714.08
T. 42 N., R. 3 W., 240 ft. S. of W. sixteenth cor. between secs. 9 and 16, in line with rds. E. and S., 5 ft. N. and 10 ft. E. from fence corner, in concrete post; standard tablet stamped "939 C 1934"	765.717
Reference mark, 27 ft. N. and 36 ft. E. from tablet, in root on SE. side of 18-in. post-oak tree; copper nail and washer	766.34
T. 42 N., R. 3 W., W. sixteenth cor. between secs. 16 and 21, 24 ft. N. and 30 ft. E. from Antioch Road at rd. N., in root on NE. side of 8-in. oak tree; copper nail and washer	748.46
T. 42 N., R. 3 W., near E. sixteenth cor. between secs. 16 and 21, 42 ft. E. of entrance to Antioch Church, 65 ft. S. and 27 ft. W. from Antioch Road at rd. N.-S., in root on E. side of 24-in. oak tree; copper nail and washer	763.37
T. 42 N., R. 3 W., center of NE 1/4 sec. 28, 15 ft. S. and 36 ft. W. from rd. corner N.-W., in concrete post; standard tablet stamped "940 C 1934"	727.171
Reference mark, 6 ft. S. and 212 ft. W. from tablet, in root on NE. side of 16-in. walnut tree; copper nail and washer	737.96
T. 42 N., R. 3 W., 330 ft. W. of stone at E. sixteenth cor. between secs. 28 and 33, 36 ft. N. of crossroads, in concrete post; standard tablet stamped "941 C 1934"	750.426
Reference mark, 55 ft. S. and 25 ft. E. from tablet, on E. end of concrete culvert; chiseled square	749.67
T. 42 N., R. 3 W., center of SE 1/4 sec. 33, at top of hill, 24 ft. E. of rd. fork E., in root on W. side of 12-in. box-elder tree; copper nail and washer	769.15
T. 42 N., R. 3 W., about 30 ft. N. and 400 ft. W. from approximate S. quarter cor. sec. 33, 60 ft. S. and 45 ft. E. from crossroads, in root on W. side of 14-in. white-oak tree; copper nail and washer	704.00
T. 41 N., R. 3 W., near quarter cor. between secs. 3 and 4, near small branch, 650 ft. E. of ford across Bourbeuse River, 35 ft. S. of junction of old rd. S., in root on SE. side of 14-in. hard-maple tree; copper nail and washer	643.73

(Continued in Sullivan No. 1 quadrangle; see line 4.)

6. FROM ROSEBUD SOUTH AND EAST TO POINT NEAR SOUTHEAST CORNER OF QUADRANGLE, THENCE WEST ALONG SOUTH BORDER TO BEM

Rosebud, 1 mi. S. of, along County Route T, center of NW 1/4 sec. 20, T. 42 N., R. 4 W., 30 ft. S. and 120 ft. E. from highway at rds. W. and SW., in root on E. side of 14-in. oak tree; copper nail and washer	873.87
Rosebud, 1.8 mi. S. of, along County Route T, near E. sixteenth cor. sec. 20, T. 42 N., R. 4 W., 170 ft. SE. of junction of rd. SE., at fence corner, on property of P. A. Harrison, in root on NW. side of 20-in. white-oak tree; copper nail and washer	860.98
Rosebud, 2.3 mi. S. of, along County Route T, in NE 1/4 NE 1/4 sec. 29, T. 42 N., R. 4 W., at Red Oak Creek, on NW. corner of downstream abutment of low-water concrete bridge; chiseled square	703.56
Rosebud, 3.5 mi. S. of, along County Route T, in NE 1/4 sec. 32, T. 42 N., R. 4 W., 52 ft. S. and 25 ft. E. from E.-W. cross rd., in concrete post; standard tablet stamped "929 C 1934"	869.887
Reference mark, SE. of crossroads, in root on N. side of 12-in. oak tree; copper nail and washer	868.98
Rosebud, 4.6 mi. S. of, along County Route T, near N. sixteenth cor. between secs. 4 and 5, T. 41 N., R. 4 W., 39 ft. E. of highway, in woodland, in root on NW. side of 12-in. oak tree; copper nail and washer	884.68
Rosebud, 5.6 mi. S. of, center SW 1/4 sec. 4, T. 41 N., R. 4 W., about 325 ft. N. of farmhouse of Charles Muir, at T.-rd. S., in root on N. side of 24-in. post-oak tree; copper nail and washer	860.29
T. 41 N., R. 4 W., quarter cor. between secs. 3 and 4, 16 ft. N. and 240 ft. W. from rd. at fences N. and S. on Franklin-Gasconade county line, in concrete post; standard tablet stamped "930 C 1934"	826.673
Reference mark, 3 ft. N. and 9 ft. E. from tablet, in root on NW. side of 12-in. twin oak tree; copper nail and washer	826.43
T. 41 N., R. 4 W., 30 ft. S. of quarter cor. between secs. 2 and 3, 33 ft. W. of small branch, 30 ft. S. of rd., in root on S. side of 25-in. twin coffee-bean tree; copper nail and washer	689.81
T. 41 N., R. 4 W., in SE 1/4 sec. 2, on County Route H, on NW. corner of S. abutment of bridge over Bourbeuse River; chiseled square	678.71
T. 41 N., R. 4 W., quarter cor. between secs. 1 and 12, 56 ft. N. and 29 ft. W. from County Route H at old rd. W. and fence E., in concrete post; standard tablet stamped "931 C 1934"	695.942
Reference mark, 72 ft. S. and 50 ft. E. from tablet, in root on W. side of 10-in. oak tree; copper nail and washer	689.78
T. 41 N., R. 3 W., in NW 1/4 SW 1/4 sec. 7, 200 ft. NW. of County Route H at rd. NE., 27 ft. E. of highway, in root on SW. side of 20-in. white-oak tree; copper nail and washer	811.95
T. 41 N., R. 3 W., center sec. 18, 60 ft. W. of SW. corner of Strain's store, 24 ft. W. of County Route H, in root on N. side of 24-in. red-oak tree; copper nail and washer	810.06
T. 41 N., R. 3 W., in SW 1/4 NE 1/4 sec. 19, 30 ft. N. and 29 ft. E. from County Route H at E.-W. cross rd., 2 ft. N. of iron post stamped "St L 779", in concrete post; standard tablet stamped "932 C 1934"	776.033
Reference mark, 45 ft. S. and 69 ft. W. from tablet, on S. end of iron pipe culvert; painted square	776.99

T. 41 N., R. 4 W., on line between secs. 24 and 25, 300 ft. N. and 42 ft. W. from T-rd. W., 100 ft. E. of farmhouse of John Schafer, N. of concrete gatepost, on concrete retaining wall; chiseled square	<u>Feet.</u> 840.20
T. 41 N., R. 4 W., in SW 1/4 sec. 25, 100 ft. S. and 60 ft. W. from cross-roads, at N. end of porch to Boone's store, on SE. corner of lower concrete step; chiseled square	864.80
T. 41 N., R. 4 W., in NE 1/4 sec. 33, at SW. end of bridge over Little Bourbeuse River, on SW. rivet of base plate; chiseled cross	692.74
T. 41 N., R. 4 W., near N. sixteenth cor. sec. 35, 78 ft. S. and 43 ft. W. from junction of rd. S. and rail fence N., near creek, in sandstone outcrop; standard tablet stamped "933 C 1934"	712.417
Reference mark, 50 ft. N. and 20 ft. W. from tablet, in E. side of 14-in. post-oak tree; copper nail and washer	714.77

(For balance in Sullivan No. 3 quadrangle, see line 8.)

T. 41 N., R. 4 W., near N. sixteenth cor. between secs. 33 and 34, on SE. corner of concrete porch of Ruwe School; chiseled square	826.33
Tea, 3 mi. SE. of, in SE 1/4 SW 1/4 sec. 28, T. 41 N., R. 4 W., 18 ft. N. and 50 ft. E. from center of triangle at rd. forks, in concrete post; standard tablet stamped "934 C 1934"	833.052
Reference mark, 21 ft. N. and 14 ft. W. from tablet, in root on W. side of 12-in. post-oak tree; copper nail and washer	833.63
T. 41 N., R. 4 W., near quarter cor. between secs. 29 and 32, 12 ft. S. and 13 ft. W. from junction of rd. N., at fence corner, in root on N. side of 6-in. cedar tree; copper nail and washer	739.40
T. 41 N., R. 4 W., 2 ft. S. of stone at E. sixteenth cor. between secs. 30 and 31, 10 ft. S. of T-rd. N., in root on W. side of witness 18-in. post-oak tree; copper nail and washer	866.23
T. 41 N., R. 5 W., in SE 1/4 SE 1/4 sec. 25, at top of hill, 25 ft. N. and 55 ft. E. from rd. corner SE.-N., 10 ft. S. of SW. corner of farmyard, in root on SW. side of 12-in. twin elm tree; copper nail and washer	782.91
T. 41 N., R. 5 W., near N. sixteenth cor. sec. 25, 8 ft. N. and 17 ft. E. from T-rd. W., in concrete post; standard tablet stamped "935 C 1934"	750.637
Reference mark, 124 ft. W. of tablet, in root on S. side of 24-in. oak tree; copper nail and washer	748.87
T. 41 N., R. 5 W., in SE 1/4 NE 1/4 sec. 26, at ford across Dry Fork Creek, on W. bank, 15 ft. E. of rd., in root on N. side of 40-in. bur-oak tree; copper nail and washer	717.90
T. 41 N., R. 5 W., in NW 1/4 sec. 26, 33 ft. S. of T-rd. N., in W. side of 20-in. bur-oak tree; copper nail and washer	824.31

7. FROM POINT NEAR MIDDLE OF NORTH HALF OF EAST BORDER OF QUADRANGLE, NORTH ALONG EAST BORDER, THENCE WEST ALONG NORTH BORDER TO DRAKE

Jacobs triangulation sta., 4.7 mi. NE. of Gerald, in SW 1/4 sec. 28, T. 43 N., R. 3 W., on W. side of old Canaan rd., in concrete post; U.S.C. & G.S. standard disk stamped "Jacobs 2 1933"	930.169
Reference mark 1, 110 ft. SE. (? NE.) of sta., in concrete post; U.S.C. & G.S. standard disk stamped "Jacobs 2 No 1"	930.628
Reference mark 2, 104 ft. SE. of sta., in concrete post; U.S.C. & G.S. standard disk stamped "Jacobs 2 No 2"	927.880
T. 43 N., R. 3 W., near E. sixteenth cor. between secs. 21 and 28, 1.5 mi. NE. of U.S. Highway 50, along County Route C, about 0.2 mi. N. of transmission line, 8 ft. S. and 18 ft. W. from junction of rd. W., on S. end of iron pipe culvert; painted square	888.05

(For balance in Sullivan No. 1 quadrangle, see line 5.)

T. 43 N., R. 3 W., in NE 1/4 sec. 9, 1 mi. W. of County Route C, along Beemont rd., 15 ft. S. of rd., in root on S. side of 20-in. oak tree; copper nail and washer	818.32
T. 43 N., R. 3 W., in SW. cor. sec. 4, 42 ft. W. of rd. forks, in root on S. side of 18-in. oak tree; copper nail and washer	761.70
T. 43 N., R. 3 W., in SW 1/4 SE 1/4 sec. 5, 270 ft. NE. of entrance to farm of A. H. Leaker, 15 ft. N. of rd., 24 ft. N. and 18 ft. E. from triangular-blazed 20-in. white-oak tree, in rock outcrop; standard tablet stamped "947 C 1934"	681.331
Reference mark, 26 ft. S. and 19 ft. W. from tablet, in root on NE. side of 16-in. white-oak tree; copper nail and washer	676.18
T. 43 N., R. 3 W., near E. sixteenth cor. between secs. 6 and 7, about 175 ft. W. of farmhouse of Herman Stark, 12 ft. S. of rd., on center baffle wall of concrete culvert; chiseled square	635.58
T. 43 N., R. 4 W., in NE 1/4 sec. 12, on Gerald-New Haven rd., 60 ft. S. of triangle formed by rd. forks, in root on NE. side of 8-in. white-oak tree; copper nail and washer	760.16
Beemont, 3 mi. NE. of, in NW 1/4 SE 1/4 sec. 1, T. 43 N., R. 4 W., 90 ft. SW. of rd. forks, 28 ft. S. of fence corner, in concrete post; standard tablet stamped "948 C 1934"	709.041
Reference mark, 61 ft. N. and 67 ft. W. from tablet, in N. side of 20-in. white-oak tree; copper nail and washer	701.36
T. 43 N., R. 4 W., in NW 1/4 sec. 12, about 400 ft. SW. of farmhouse of L. F. Panhorst, 8 ft. W. of rd., in root on W. side of 60-in. bur-oak tree; copper nail and washer	590.45
T. 43 N., R. 4 W., near S. sixteenth cor. sec. 11, 4 ft. N. and 95 ft. E. from NE. corner of Beemont School, 25 ft. W. of rd., in root on E. side of 16-in. oak tree; copper nail and washer	812.37

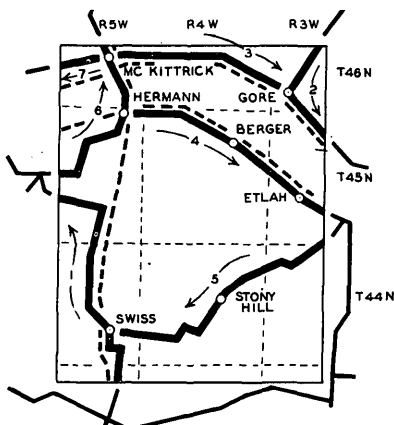
Beemont, 0.2 mi. E. of, in SW 1/4 SE 1/4 sec. 10, T. 43 N., R. 4 W., in NE. corner of concrete floor of steel bridge over Boeuf Creek; standard tablet stamped "949 C 1934"	<u>Feet</u> 615.507
Beemont, 1 mi. NW. of, in SE 1/4 sec. 9, T. 43 N., R. 4 W., 10 ft. N. and 27 ft. E. from T-rd. E., in root on S. side of 14-in. white-oak tree; copper nail and washer	790.08
Beemont, 1.8 mi. W. of, in SW 1/4 sec. 9, T. 43 N., R. 4 W., on E. end of bottom step to German Church; chiseled square	859.95
Beemont, 2.5 mi. W. of, near quarter cor. between secs. 8 and 17, T. 43 N., R. 4 W., 15 ft. S. and 12 ft. from rd. at fence N., in root on NE. side of 10-in. post-oak tree; copper nail and washer	836.54
T. 43 N., R. 4 W., in SE 1/4 SE 1/4 sec. 7, 15 ft. N. and 70 ft. W. from center of triangle at junction of rd. N. 24 ft. N. of rd., in concrete post; standard tablet stamped "950 C 1934"	863.613
Reference mark, 60 ft. S. and 120 ft. W. from tablet, on N. end of 12-in. tile culvert; (mark not described)	859.40
Drake, 3.5 mi. NE. of, along Beemont-Drake rd., center of NW 1/4 sec. 18, T. 43 N., R. 4 W., on property of Philip Epker, 60 ft. N. and 70 ft. E. from junction of private rd., in root on SE. side of 10-in. cedar tree; copper nail and washer	880.77
Drake, 2.6 mi. E. of, along Beemont-Drake rd., near E. sixteenth cor. between secs. 13 and 24, T. 43 N., R. 5 W., 30 ft. N. and 8 ft. W. from junction of rd. N., in root on S. side of 24-in. oak tree; copper nail and washer	897.06
Winter triangulation sta., 1.8 mi. E. of Drake, in SE 1/4 NW 1/4 sec. 24, T. 43 N., R. 5 W., on property of Mrs. Fritz Zimmerly, opposite farm buildings, 33 ft. S. of rd., about 20 meters (66 ft.) E. of farm rd., in concrete post buried 20 in. below surface of ground; U.S.C. & G.S. standard disk stamped "Winter 2 1933"	924.258
Reference mark 1, 115 ft. E. of sta., in concrete post; U.S.C. & G.S. standard disk stamped "Winter 2 No 1"	921.414
Reference mark 2, 90 ft. NW. of sta., in concrete post; U.S.C. & G.S. standard disk stamped "Winter 2 No 2"	925.111
Drake, 0.8 mi. E. of, near S. sixteenth cor. sec. 14, T. 43 N., R. 5 W., on W. end of S. guardrail of steel bridge over Barren Fork Creek; chiseled square	811.95

8. IN SOUTHEAST CORNER OF QUADRANGLE (by C. P. Thompson in 1935)
(Continued from Sullivan No. 3 quadrangle; see line 12.)

Miller School, 0.4 mi. S. of, in SW 1/4 SW 1/4 sec. 28, T. 41 N., R. 3 W., on top of hill, 30 ft. E. of rd., 8 ft. N. of fence NE., in rock outcrop; standard tablet stamped "944 C 1934 851"	851.152
Reference mark, 18 ft. S. and 40 ft. W. from tablet, in root on E. side of 10-in. post-oak tree; copper nail and washer	851.33
T. 41 N., R. 3 W., in NW 1/4 sec. 29, about 225 ft. NW. of ford across creek, 30 ft. S. and 40 ft. E. from rd. forks, in root on W. side of 22-in. bur-oak tree; copper nail and washer	686.82
T. 41 N., R. 3 W., near E. sixteenth cor. between secs. 19 and 30, 12 ft. N. and 16 ft. E. from County Route H at rd. E., on N. end of iron pipe culvert; painted square	849.50

For additional level lines along Chicago, Rock Island & Pacific Ry. and State Highway 19, refer to United States Coast and Geodetic Survey second-order lines, Eldon to Labadie, Owensville to Cuba, and New Florence to Rosebud.

HERMANN NO. 3 QUADRANGLE
(Latitude $38^{\circ}30' - 38^{\circ}45'$; longitude $91^{\circ}15' - 91^{\circ}30'$)
Franklin, Gasconade, Montgomery, and Warren Counties



1. NORTH ALONG SOUTH HALF OF WEST BORDER OF QUADRANGLE (by B. A. Barnes in 1934)
(Continued from Gerald quadrangle; see line 4.)

	Feet
Drake, 2.5 mi. N. of, along State Highway 19, near quarter cor. between secs. 2 and 3, T. 43 N., R. 5 W., on E. side of highway, on concrete culvert; chiseled square	941.30
Drake, 3 mi. N. of, along State Highway 19, near N. cor. secs. 2 and 3, T. 43 N., R. 5 W., 20 ft. S. and 39 ft. E. from highway at fence E., in concrete post; standard tablet stamped "659 C W A 1934"	931.960
Drake, about 3.6 mi. N. of, along State Highway 19, in W 1/2 sec. 35, T. 44 N., R. 5 W., at bottom of steep hill, on W. wall of concrete culvert; chiseled square	859.63
Drake, about 4.1 mi. N. of, along State Highway 19, near W. sixteenth cor. between secs. 26 and 35, T. 44 N., R. 5 W., SW. of junction of rd. W., in root of 30-in. white-oak tree; copper nail and washer	877.53
Drake, 4.7 mi. N. of, along State Highway 19, 286 ft. S. and 6 ft. W. from quarter cor. between secs. 26 and 27, T. 44 N., R. 5 W., 39 ft. S. and 65 ft. E. from junction of County Route E, in concrete post; standard tablet stamped "660 C W A 1934"	880.123
Swiss, about 1.8 mi. S. of, along State Highway 19, in N 1/2 sec. 27, T. 44 N., R. 5 W., W. of highway, S. of junction of rd. SW., on concrete culvert; chiseled square	887.51
Swiss, about 1.3 mi. S. of, along State Highway 19, in SW 1/4 sec. 22, T. 44 N., R. 5 W., on SE. head wall of concrete culvert; chiseled square	872.86
Swiss, in SE 1/4 NW 1/4-sec. 15, T. 44 N., R. 5 W., 250 ft. N. of State Highway 19 at rd. junction, 88 ft. W. of NW. corner of church, 4 1/2 ft. E. of highway, in concrete post; standard tablet stamped "661 C W A 1934"	903.961
Reference mark, at Swiss post office; top of NW. corner of bottom step	907.54
Swiss, about 0.6 mi. N. of, along State Highway 19, in SW 1/4 sec. 10, T. 44 N., R. 5 W., E. of highway, N. of rd. NE., on concrete culvert; chiseled square	905.75
Swiss, about 1.3 mi. N. of, along State Highway 19, in NW 1/4 sec. 10, T. 44 N., R. 5 W., on W. head wall of concrete culvert; chiseled square	879.95
Gasconade triangulation sta., 2.3 mi. N. of Swiss, along State Highway 19, in NW 1/4 SE 1/4 sec. 3, T. 44 N., R. 5 W., about 700 ft. E. of highway, 135 ft. S. 40° W. (magnetic) of lone tree in fence line, 92 ft. S. of fence on property of Adolph Boesch, in concrete post; standard tablet stamped "Gasconade 1874-1933"	946.701
Reference mark 1, 100 ft. NNW. of sta., in concrete post; U.S.C. & G.S. standard disk stamped "Gasconade 1 1874-1933"	948.098
Reference mark 2, 158 ft. NE. of sta., in concrete post; U.S.C. & G.S. standard disk stamped "Gasconade 2 1874-1933"	942.616
T. 45 N., R. 5 W., in SW 1/4 SW 1/4 sec. 34, 18 ft. NE. of old State Highway 19, in root of 2 1/2-in. black-oak tree; copper nail and washer	868.49
T. 45 N., R. 5 W., in SW 1/4 sec. 27, 12 ft. E. of old State Highway 19, 8 ft. S. of old bridge over creek, in small group of trees, in root of cottonwood tree; copper nail and washer	653.67
T. 45 N., R. 5 W., in SW 1/4 sec. 27, at front porch of dwelling of R. J. Jordan, on NW. corner of concrete step; chiseled square	705.00
T. 45 N., R. 5 W., 482 ft. W. of quarter cor. between secs. 22 and 27, 12 ft. N. and 31 ft. E. from junction of T-rd. W., 2 ft. S. and 6 ft. E. from corner of picket fence, on property of Joseph Jordan, in concrete post; standard tablet stamped "662 C W A 1934"	708.719
T. 45 N., R. 5 W., in NE 1/4 sec. 28, 37 ft. S. 30° W. of rd. forks, 25 ft. S. of junction of rd. W., 6 ft. W. of junction of rd. S., in root of 20-in. white-oak tree; copper nail and washer	794.58

T. 45 N., R. 5 W., in SE 1/4 sec. 20, 30 ft. N. of creek, 13 ft. SW. of SW. corner of dwelling occupied by O. T. Gower, in fence corner, in root of 18-in. maple tree; copper nail and washer	<u>Feet</u> 599.15
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(Continued in Morrison quadrangle; see line 3.)

2. FROM NORTHEAST CORNER OF QUADRANGLE SOUTHWEST TO GORE, THENCE SOUTHEAST ALONG MISSOURI-KANSAS-TEXAS RAILROAD TO EAST BORDER (by C. P. Thompson in 1935)

(Continued from Hermann No. 2 quadrangle; see line 4.)

T. 46 N., R. 3 W., in SW 1/4 sec. 16, on top of ridge, 140 ft. W. of farmhouse of Mrs. Emma Wauer, 84 ft. N. of rd., 3 ft. E. of shed, in root on E. side of 30-in. black-locust tree; copper nail and washer	869.77
T. 46 N., R. 3 W., in SE 1/4 sec. 17, in saddle of ridge, 10 ft. S. of rd., in root on NE. side of 16-in. post-oak tree; copper nail and washer	837.06
Gore, 3.4 mi. NE. of, 45 ft. N. and 50 ft. W. from center of triangle at junction of two rds. to Pendleton, in yard of Rudolph Miller, 6 ft. S. and 13 ft. E. from front gate, in concrete post; standard tablet stamped "T T 1759 E R A 1935"	539.652
Gore, 2.8 mi. NE. of, about 200 ft. W. of farmhouse of Fritz Poertner, 120 ft. E. of Little Lost Creek, 10 ft. S. of rd., in root on W. side of 40-in. bur-oak tree supporting mail boxes; copper nail and washer	520.42
Gore, 1.8 mi. NE. of, about 500 ft. SE. of farmhouse, on center of W. head wall of concrete culvert; chiseled square	507.29
Gore, 0.6 mi. NE. of, on top of ridge, 145 ft. SW. of rd. fork NW. to Pendleton, 18 ft. W. of rd., in root on W. side of 20-in. hickory tree; copper nail and washer	607.83
U.S.C.E. B.M. designated "20/2"	
Copper bolt	509.770
Top of cap	513.810
Gore, 0.4 mi. E. of, along Missouri-Kansas-Texas R.R., in S. end of E. stone pier of bridge 93.4 over Lost Creek; standard tablet stamped "T T 1722 E R A 1935"	509.402
Gore, 1.9 mi. E. of, along Missouri-Kansas-Texas R.R., under bluff, first telephone pole E. of milepost 92, 12 ft. N. of track, on W. end of N. head wall of concrete culvert; chiseled square	511.00
Gore, 2.6 mi. E. of, along Missouri-Kansas-Texas R.R., near milepole 91.3, on S. side of track; 4-in. iron pipe (probably U.S.C.E. triangulation sta.)	511.572
U.S.C.E. triangulation sta. designated "337", about 1.8 mi. above Bernheimer, on N. bank of Missouri River, at top of embankment of Missouri-Kansas-Texas R.R., 22 ft. W. of track, 48 ft. W. of fifteenth telegraph pole E. of milepost 91; 4-in. iron pipe	504.213
Bernheimer, 0.5 mi. W. of, along Missouri-Kansas-Texas R.R., 100 ft. W. of sign marked "50", on N. end of concrete tile culvert; chiseled square	507.20
U.S.C.E. B.M. designated "19/2"	504.050

(Continued in Hermann No. 4 quadrangle; see line 3.)

3. FROM POINT ABOUT 1.7 MILES NORTH OF HERMANN, EAST ALONG MISSOURI-KANSAS-TEXAS RAILROAD TO GORE (by C. P. Thompson in 1935)

Hermann, 1.7 mi. N. of, along State Highway 19, 40 ft. N. and 273 ft. E. from junction of rd. E. to Case and rd. W. to Rhineland, 2 ft. E. of N.-S. fence in small triangular lot, in concrete post; standard tablet stamped "T T 680 C W A 1935"	510.488
McKittrick, 0.6 mi. E. of, along Missouri-Kansas-Texas R.R., about 0.2 mi. W. of milepost 100, 12 ft. N. of track, on W. end of head wall of concrete culvert; top of bolt	511.67
McKittrick, 1.6 mi. E. of, along Missouri-Kansas-Texas R.R., about 0.2 mi. E. of Montgomery-Warren county line, about 0.2 mi. W. of milepost 99, 12 ft. N. of track, in W. end of head wall of concrete bridge over creek; bronze tablet (Missouri-Kansas-Texas R.R. B.M.)	509.080
Case, 1.4 mi. W. of, along Missouri-Kansas-Texas R.R., near center of E 1/2 sec. 19, T. 46 N., R. 4 W., 10 ft. S. and 88 ft. W. from rd. crossing, 11 ft. S. of track, in E. end of head wall of concrete culvert; standard tablet stamped "T T 1720 E R A 1935"	507.957
Case, 0.5 mi. W. of, along Missouri-Kansas-Texas R.R., near milepole 97.5, 40 ft. W. of end of switch, 15 ft. S. of track, on SE. corner of battery box at semaphore; chiseled square	508.44
Case, 510 ft. E. of Missouri-Kansas-Texas R.R. sta., on NW. corner of E. abutment of bridge over Masses Creek; chiseled square	507.84
Case, 0.6 mi. E. of, along Missouri-Kansas-Texas R.R., 22 ft. N. and 18 ft. W. from telegraph pole marked "50", 11 ft. S. of track, in E. end of head wall of concrete culvert; standard tablet stamped "T T 1721 E R A 1935"	504.672
Case, 1.5 mi. E. of, along Missouri-Kansas-Texas R.R., near milepole 95.4, 12 ft. N. of track, on N. end of 48-in. concrete tile culvert; chiseled square	509.75
Gore, 0.6 mi. W. of, along Missouri-Kansas-Texas R.R., 100 ft. E. of private rd. crossing, about 100 ft. N. of farmhouse, 12 ft. N. of track, in W. end of head wall of concrete culvert; bronze tablet (Missouri-Kansas-Texas R.R. B.M.)	503.998

4. FROM HERMANN SOUTHEAST ALONG MISSOURI PACIFIC RAILROAD TO EAST BORDER OF QUADRANGLE

	Feet
U.S.C. & G.S. B.M. designated "N3 1888"	519.143
U.S.C.E. B.M. designated "71"	510.265
Hermann, 1 mi. E. of, along Missouri Pacific R.R., on S. side of track, in base plate of semaphore 801; top of E. end of N. angle iron	517.56
Hermann, 1.9 mi. E. of, along Missouri Pacific R.R., about 300 ft. E. of pump sta., on S. side of three tracks, on E. end of S. head wall of concrete culvert; chiseled square	514.45
Hermann, 2.7 mi. E. of, along Missouri Pacific R.R., in NW 1/4 NW 1/4 sec. 33, T. 46 N., R. 4 W., 26 ft. S. of center of three tracks, in concrete base of signal box; standard tablet stamped "T T 958 C 1935 515"	514.767
Hermann, 4 mi. E. of, along Missouri Pacific R.R., at rd. crossing, on SW. corner of concrete base of semaphore 770; chiseled square	513.46
Berger, 0.4 mi. NW. of Missouri Pacific R.R. sta., 15 ft. S. of center of double track, in concrete head wall of culvert; standard tablet stamped "T T 959 C 1935 511"	511.140
U.S.C.E. B.M. designated "66=20/1"	
Copper bolt	507.545
Top of cap	511.600
U.S.C. & G.S. B.M. designated "XV"	511.377
Berger, 1 mi. E. of, along Missouri Pacific R.R., 650 ft. W. of milepost 74, on W. end of S. concrete head wall of iron pipe culvert; chiseled cross	510.50
Etlah, 2.1 mi. NW. of, along Missouri Pacific R.R., 375 ft. W. of milepost 73, 100 ft. W. of rd. crossing, on S. side of track; top of E. edge of concrete base of signpost	509.49
Etlah, 1.5 mi. NW. of, along Missouri Pacific R.R., in concrete parapet wall at NW. end of bridge over Berger Creek and rd.; standard tablet stamped "T T 960 C 1935 510"	510.013
Etlah, on Missouri Pacific R.R., on W. end of S. abutment of steel bridge over Big Berger Creek; chiseled square	507.21
Etlah, 1.2 mi. SE. of, along Missouri Pacific R.R., on concrete base of N. tower of double semaphore 709-DR and 696-L; chiseled cross	507.50

(Continued in Hermann No. 4 quadrangle; see line 1.)

5. FROM MIDDLE OF EAST BORDER OF QUADRANGLE, SOUTHWEST TO POINT NEAR SOUTHWEST CORNER

(Continued from Hermann No. 4 quadrangle; see line 2.)

New Haven, 2 mi. SW. of, along County Route E, in center of SW 1/4 sec. 3, T. 44 N., R. 3 W., on S. end of E. abutment of bridge over Pin Oak Creek; chiseled square	535.32
New Haven, 2.8 mi. SW. of, along County Route E, in center sec. 4, T. 44 N., R. 3 W., on top of hill, 21 ft. N. and 10 ft. W. from private cross rd., on W. end of 12-in. iron pipe culvert; (mark not described)	705.77
New Haven, 3.8 mi. SW. of, along County Route E, 0.1 mi. E. of quarter cor. between secs. 5 and 8, T. 44 N., R. 3 W., 40 ft. S. and 140 ft. W. from junction of rd. S. to Dissen, 30 ft. S. of highway, in concrete post; standard tablet stamped "T T 954 C 1935 777"	777.659
New Haven, 5 mi. SW. of, along County Route E, near quarter cor. between secs. 6 and 7, T. 44 N., R. 3 W., 30 ft. N. and 15 ft. W. from junction of rd. N., on SE. corner of concrete retaining wall of cemetery; chiseled square	699.16
T. 44 N., R. 4 W., in NE 1/4 sec. 12, at bottom of hill, about 250 ft. SE. of farmhouse of William Riecher, 24 ft. S. of County Route E, in root on W. side of 14-in. hickory tree; copper nail and washer	749.45
T. 44 N., R. 4 W., quarter cor. between secs. 11 and 12, 30 ft. S. and 200 ft. W. from County Route E at rd. W. and fence S., in concrete post; standard tablet stamped "T T 955 C 1935 756"	755.914
T. 44 N., R. 4 W., in NW 1/4 sec. 14, 30 ft. E. of County Route E, at entrance to farmyard of W. F. Borcharding, on S. end of rock base of gatepost; chiseled square	764.02
Stony Hill, 1 mi. E. of, along County Route E, near E. sixteenth cor. between secs. 15 and 22, T. 44 N., R. 4 W., about 245 ft. N. of farmhouse of Charles Rethemeyer, 45 ft. S. and 27 ft. W. from junction of rd. NW., on SE. end of iron pipe culvert; (mark not described)	814.77
Stony Hill, 25 ft. N. and 140 ft. E. from iron pipe on Franklin-Gasconade county line at quarter cor. between secs. 21 and 22, T. 44 N., R. 4 W., 45 ft. S. of County Route E, 30 ft. N. and 28 ft. W. from NW. corner of brick schoolhouse, in concrete post; standard tablet stamped "T T 956 C 1935 829"	828.845
Stony Hill, at W. edge of, in center of S 1/2 sec. 21, T. 44 N., R. 4 W., 6 ft. S. and 48 ft. W. from County Route E at rd. NW., in fence corner, in root on NW. side of 26-in. oak tree; copper nail and washer	826.87
Stony Hill, 1.2 mi. SW. of, along County Route E, near E. sixteenth cor. sec. 29, T. 44 N., R. 4 W., about 350 ft. SE. of farmhouse of Charles Dickmann, 28 ft. N. of highway at cross rd., in root on SW. side of 22-in. white-oak tree; copper nail and washer	863.83
Stony Hill, 2 mi. SW. of, along County Route E, 162 ft. N. of quarter cor. between secs. 29 and 30, T. 44 N., R. 4 W., 27 ft. N. of highway, in fence corner, in N. side of 14-in. oak tree; copper nail and washer	873.86
Drake, 5 mi. N., thence 2 mi. E. from, along State Highway 19 and County Route E, 2.9 mi. W. of Stony Hill, W. quarter cor. sec. 30, T. 44 N., R. 4 W., 160 ft. S. and 210 ft. E. from fence corner N.-E., 18 ft. S. and 124 ft. E. from junction of rd. S., in concrete post; standard tablet stamped "T T 957 C 1935 899"	899.139

Drake, 5 mi. N., thence about 1 mi. E. from, along State Highway 19 and County Route E., near quarter cor. between secs. 25 and 26, T. 44 N., R. 5 W., 100 ft. SW. of highway at fence, 25 ft. S. of highway, in root on W. side of 20-in. oak tree; copper nail and washer

Feet
910.19

6. FROM WEST BORDER OF QUADRANGLE NORTHEAST TO HERMANN, THENCE NORTH TO NORTH BORDER (by J. H. Vinyard in 1935)

Hermann, 6 mi. SW. of, along County Route J, in SW 1/4 sec. 16, T. 45 N., R. 5 W., at junction of rd. W., on E. head wall of culvert; chiseled square 653.54
Hermann, 5 mi. SW. of, along County Route J, in NE 1/4 sec. 16, T. 45 N., R. 5 W., on N. end of E. rail of bridge on old rd. to Drake; chiseled square 624.57
Hermann, 3.7 mi. SW. of, along County Route J, in SW 1/4 NW 1/4 sec. 10 T. 45 N., R. 5 W., 195 ft. N. of highway, 30 ft. E. of old Gasconade-Hermann rd., 12 ft. N. of blazed oak tree, in concrete post; standard tablet stamped "T T 678 C W A 1934" 596.368
Reference mark, 12 ft. S. of tablet, in root of 10-in. oak tree; copper nail and washer 594.84
Hermann, 3 mi. SW. of, along County Route J, near quarter cor. between secs. 3 and 10, T. 45 N., R. 5 W., at junction of rd. S., in root of 30-in. oak tree; copper nail and washer 574.60
Hermann, 1.5 mi. SW. of, along County Route J, in W 1/2 sec. 2, T. 45 N., R. 5 W., opposite stone farmhouse, 75 ft. N. of junction of private rd. E., in center of stump; crossed nails 546.45
Hermann, at SW. limits of, 400 ft. S. of County Route J at rd. W. near dairy farm, on E. head wall of culvert; chiseled square 521.69
Hermann, at S. limits of, at junction of State Highway 19 and County Route J, on NW. wing wall of bridge; chiseled square 518.35
U.S.C.E. B.M. designated "135" 518.368
Hermann, 47 ft. S. and 19 ft. E. from junction of State Highways 19 and 100, in W. parking and in line with N. face of Methodist Church, in concrete post; standard tablet stamped "T T 679 C W A 1935" 552.975
Reference mark, on S. end of W. curb of bridge over Missouri River; chiseled square 554.06
Hermann, 1 mi. N. of, along State Highway 19, at S. end of steel span of bridge over Loutre River, in W. curb; copper nail and washer 518.05
Hermann, 1.7 mi. N. of, along State Highway 19, 40 ft. N. and 273 ft. E. from highway at crossing of Case-Rhineland rd., 2 ft. E. of fence, in small triangular lot, in concrete post; standard tablet stamped "T T 680 C W A 1935" 510.479
Reference mark, 400 ft. N. of highway at cross rd., in S. end of W. curb of bridge over Loutre Slough; copper nail and washer 517.70
Hermann, 2.2 mi. N. of, along State Highway 19, opposite filling sta., at junction of rd. SE. to McKittrick, on W. head wall of culvert; chiseled square 519.03
Hermann, 3 mi. N. of, along State Highway 19, 100 ft. E. of junction of rd. N., on N. head wall of culvert; chiseled square 566.38

(Continued in Hermann No. 2 quadrangle; see line 1.)

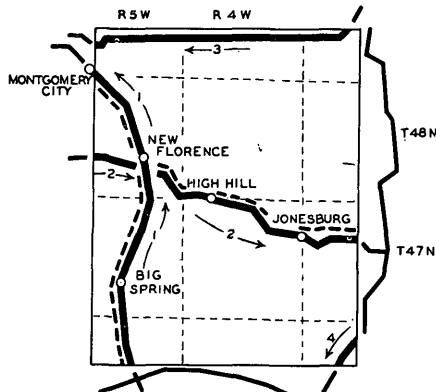
7. IN NORTHWEST CORNER OF QUADRANGLE

Hermann, 2 mi. N. of, along State Highway 19, thence 0.5 mi. W. along rd. to Rhineland, 100 ft. W. of bridge, in root of 60-in. elm tree; copper nail and washer 509.10
Hermann, 2 mi. N. of, along State Highway 19, thence 1 mi. W. along rd. to Rhineland, at crossroads, on S. head wall of culvert; chiseled square 510.05
Rhineland, 2 mi. E. of, along Missouri-Kansas-Texas R.R., in NE 1/4 sec. 28, T. 46 N., R. 5 W., near rd. crossing, on old rd. N. of track, in NW. wing wall of bridge; horseshoe 519.46
Rhineland, 1.2 mi. E. of, along Missouri-Kansas-Texas R.R., in NW 1/4 sec. 28, T. 46 N., R. 5 W., near rd. crossing, on old rd. N. of track, on S. head wall of culvert; chiseled square 518.03

(Continued in Morrison quadrangle; see line 5.)

For additional level lines along north and south banks of Missouri River and State Highway 19, refer to United States Coast and Geodetic Survey first-order lines, Twelve Miles Above St. Louis to Jefferson City and St. Louis to Jefferson City; and second-order line, New Florence to Rosebud.

HERMANN NO. 2 QUADRANGLE
(Latitude $38^{\circ}45' - 39^{\circ}00'$; longitude $91^{\circ}15' - 91^{\circ}30'$)
Lincoln, Montgomery, and Warren Counties



1. FROM SOUTH BORDER OF QUADRANGLE, NORTH ALONG STATE HIGHWAY 19 TO MONTGOMERY CITY (by J. H. Vinyard in 1935)
(Continued from Hermann No. 3 quadrangle; see line 6.)

McKittrick, about 1.6 mi. N. of, along State Highway 19, 3.8 mi. N. of Hermann, near center sec. 15, T. 46 N., R. 5 W., 500 ft. S. of entrance to farmhouse, at curve in highway, on E. head wall of culvert; chiseled square	Feet 588.68
McKittrick, 2.2 mi. N. of, along State Highway 19, 960 ft. E. of cor. secs. 9, 10, 15, and 16, T. 46 N., R. 5 W., 40 ft. (? 210 ft.) E. of highway, in line with fence E. and rd. W., in concrete post; standard tablet stamped "T T 681 C W A 1935"	612.125
Reference mark, 50 ft. N. of tablet, on E. head wall of culvert; chiseled square	611.36
T. 46 N., R. 5 W., center SW 1/4 NW 1/4 sec. 10, on State Highway 19, at junction of rd. N., on E. head wall of culvert; chiseled square	557.59
T. 46 N., R. 5 W., about 0.2 mi. E. of NW. cor. sec. 10, on State Highway 19, at cross rd., on W. head wall of culvert; chiseled square	527.50
Big Spring, 1.2 mi. SE. of, along State Highway 19, near SE. cor. sec. 34, T. 47 N., R. 5 W., on SE. wing wall of bridge over Bear Creek; chiseled square	530.39
Big Spring, in NE 1/4 NW 1/4 sec. 33, T. 47 N., R. 5 W., 40 ft. W. of State Highway 19, 622 ft. S. of Americus-Big Spring rd., in concrete post; standard tablet stamped "T T 682 C W A 1935"	551.196
Reference mark, 100 ft. N. of tablet, on W. head wall of culvert; chiseled square	544.33
Big Spring, 0.5 mi. N. of, along State Highway 19, center of NE 1/4 sec. 27, T. 47 N., R. 5 W., on SW. wing wall of bridge over Mill Creek; chiseled square	539.18
Big Spring, 1.8 mi. N. of, along State Highway 19, in SW 1/4 sec. 22, T. 47 N., R. 5 W., 50 ft. N. of junction of rd. W., in root of 8-in. twin black-oak tree; copper nail and washer	763.61
Big Spring, 2.5 mi. N. of, along State Highway 19, in SW 1/4 sec. 15, T. 47 N., R. 5 W., at top of hill, 100 ft. S. of junction of rd. W., in root of 10-in. black-oak tree; copper nail and washer	870.60
New Florence, 4.5 mi. S. of, along State Highway 19, 30 ft. N. and 440 ft. W. from rd. at fence S. at approximate cor. secs. 10, 11, 14, and 15, T. 47 N., R. 5 W., 38 ft. W. of highway, 17 ft. N. of E.-W. rd., in concrete post; standard tablet stamped "T T 683 C W A 1935"	869.772
Reference mark, 150 ft. N. of tablet, on W. head wall of culvert; chiseled square	868.91
New Florence, 4.0 mi. S. of, along State Highway 19, center sec. 11, T. 47 N., R. 5 W., at junction of rd. SE., on S. head wall of side rd. culvert; chiseled square	859.96
New Florence, 3.0 mi. S. of, along State Highway 19, center sec. 2, T. 47 N., R. 5 W., at junction of rd. E., on head wall of side rd. culvert; chiseled square	867.98
New Florence, 2.0 mi. S. of, along State Highway 19, near center sec. 35, T. 48 N., R. 5 W., N. of junction of private entrance to farm, on W. side of rd., on W. head wall of culvert; chiseled square	876.03
New Florence, about 1 mi. S. of, along State Highway 19, in NE 1/4 SW 1/4 sec. 26, T. 48 N., R. 5 W., 49 ft. S. of U.S. Highway 40, 51 ft. W. of center line of State Highway 19, in concrete post; standard tablet stamped "T T 684 C W A 1935" (Reset 32 ft. S. from above described location by highway engineer. Given elevation is for new location.)	874.084
New Florence, 1 mi. S. of, along State Highway 19, in NE 1/4 SW 1/4 sec. 26, T. 48 N., R. 5 W., near De Vault Station School, S. of U.S. Highway 40, W. of highway 19, on W. head wall of culvert; chiseled square	872.65
New Florence, SE. of Wabash Ry. sta., at first rd. crossing, on base of bell signal; chiseled square (U.S.C. & G.S. elevation)	876.895
New Florence, 1.2 mi. NW. of, along State Highway 19, near center sec. 15, T. 48 N., R. 5 W., 0.2 mi. SE. of Wabash Ry. at overhead crossing at top of hill, on W. side of highway, in root of 10-in. elm tree; spike	864.68

New Florence, 3.1 mi. NW. of, along State Highway 19, cor. secs. 9, 10, 15, and 16, T. 48 N., R. 5 W., 3 ft. S. and 146 ft. E. from stone at fence corner, 41 ft. W. of highway, between highway and Wabash Ry., in concrete post; standard tablet stamped "T T 687 C W A 1935"	<u>Feet</u> 834.553
Reference mark, 750 ft. NW. of tablet, on NW. head wall of culvert; chiseled square	831.19
Montgomery City, 2 mi. SE. of, along State Highway 19, in SW 1/4 sec. 9, T. 48 N., R. 5 W., 200 ft. SE. of junction of rd. E., on SW. head wall of culvert; chiseled square	837.06
Montgomery City, 1 mi. SE. of, along State Highway 19, in SW 1/4 sec. 4, T. 48 N., R. 5 W., at cross rd., on SW. head wall of culvert; chiseled square	830.03
Montgomery City, at SE. limits of, in NE. cor. sec. 5, T. 48 N., R. 5 W., at cross rd., on W. head wall of culvert; chiseled square	835.95

(Continued in Mineola quadrangle; see line 5.)

2. FROM WEST BORDER OF QUADRANGLE, SOUTHEAST ALONG UNITED STATES
HIGHWAY 40 TO EAST BORDER

(Continued from Mineola quadrangle; see line 4.)

Danville, 2.5 mi. E. of, along U.S. Highway 40, near center of NW 1/4 sec. 28, T. 48 N., R. 5 W., 45 ft. S. of junction of rd. N., 7 ft. S. and 20 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 700 E R A 1935" (Reset 36 ft. S. from above described location by highway engineer. Given elevation is for new location.)	824.867
Reference mark, 400 ft. W. of tablet, on N. head wall of culvert; chiseled square	822.58
Danville, 3.8 mi. E. of, along U.S. Highway 40, in center of N 1/2 sec. 27, T. 48 N., R. 5 W., 300 ft. E. of junction of rd. N., on S. side of highway, in 12-in. elm tree; copper nail and washer	867.97
New Florence, 0.5 mi. S. of, on U.S. Highway 40, about 0.1 mi. N. of quarter cor. between secs. 26 and 27, T. 48 N., R. 5 W., on top of E. post of N. banister of bridge; chiseled square	853.45
High Hill, 2.5 mi. W. of, along U.S. Highway 40, in SW 1/4 sec. 25, T. 48 N., R. 5 W., on W. side of junction of private entrance to farm, at S. end of row of trees along driveway, in root of 12-in. maple tree; copper nail and washer	882.05
High Hill, 1 mi. W. of, along U.S. Highway 40, in NW 1/4 sec. 31, T. 48 N., R. 4 W., at cross rd., on N. side of highway, on W. head wall of culvert; chiseled square	879.16
High Hill, 0.6 mi. W. of, along U.S. Highway 40, in SW 1/4 sec. 32, T. 48 N., R. 4 W., about 400 ft. S. of lake, 40 ft. S. of highway, 9 ft. E. of rd. S., in concrete post; standard tablet stamped "T T 689 E R A 1935"	883.822
Reference mark, 30 ft. W. of tablet, on S. head wall of culvert; chiseled square	883.96
High Hill, at E. limits of, near SE. cor. sec. 32, T. 48 N., R. 4 W., 100 ft. W. of U.S. Highway 40 at rd. N., on N. side of highway, in root of 24-in. maple tree; copper nail and washer	887.62
High Hill, 0.5 mi. E. of, along U.S. Highway 40, about 0.2 mi. S. of quarter cor. between secs. 4 and 33, Tps. 47 and 48 N., R. 4 W., N. of highway, at cross rd., on E. head wall of culvert; chiseled square	888.09
High Hill, 1 mi. E. of, along U.S. Highway 40, near quarter cor. between secs. 3 and 4, T. 47 N., R. 4 W., SW. of cross rd., on top of right-of-way marker; chiseled cross	884.76
Jonesburg, 2.2 mi. W. of, along U.S. Highway 40, 442 ft. S. and 30 ft. W. from quarter cor. between secs. 2 and 3, T. 47 N., R. 4 W., 43 ft. S. of highway, in line with fences N.-S., in concrete post; standard tablet stamped "T T 690 E R A 1935"	878.333
Reference mark, 200 ft. E. of tablet, on S. head wall of culvert; chiseled square	876.36
Jonesburg, 1.5 mi. W. of, along U.S. Highway 40, in SE 1/4 sec. 2, T. 47 N., R. 4 W., NE. of cross rd., in root of 24-in. hackberry tree; copper nail and washer	898.50
Jonesburg, 1 mi. W. of, along U.S. Highway 40, near SW. cor. sec. 1, T. 47 N., R. 4 W., opposite junction of rd. S., on top of right-of-way marker; chiseled cross	902.48
Jonesburg, at W. limits of, about 0.2 mi. N. of center sec. 12, T. 47 N., R. 4 W., 100 ft. W. of cross rd., on S. head wall of culvert; chiseled square	893.63
Jonesburg, in NE 1/4 sec. 12, T. 47 N., R. 4 W., across U.S. Highway 40 from schoolhouse, in root of 24-in. maple tree; copper nail and washer	896.42
Jonesburg, 0.5 mi. E. of, along U.S. Highway 40, near center sec. 7, T. 47 N., R. 3 W., in NE. corner of junction of rd. N., on top of right-of-way marker; chiseled cross	901.30
Jonesburg, 1.5 mi. E. of, along U.S. Highway 40, in NE 1/4 SW 1/4 sec. 8, T. 47 N., R. 3 W., 35 ft. S. and 23 ft. E. from junction of private rd. S., 35 ft. E. of N.-S. fence, in concrete post; standard tablet stamped "T T 691 E R A 1935"	893.201
Reference mark, about 600 ft. E. of tablet, on S. head wall of culvert; chiseled square	873.55
Jonesburg, 2.2 mi. E. of, along U.S. Highway 40, 0.2 mi. S. of quarter cor. between secs. 8 and 9, T. 47 N., R. 3 W., at Montgomery-Warren county line, 80 ft. N. of highway, 50 ft. E. of junction of rd. S., in root of 24-in. oak tree; bent nails	898.16

(Continued in Hermann No. 1 quadrangle; see line 5.)

3. WEST ALONG NORTH BORDER OF QUADRANGLE TO MONTGOMERY CITY

	Feet
Truxton, 0.4 mi. SW. of, in SE 1/4 sec. 21, T. 49 N., R. 3 W., 300 ft. NE. of T-rd. S., on NW. wing wall of bridge; chiseled square	687.74
Truxton, 1.6 mi. SW. of, in SE 1/4 sec. 20, T. 49 N., R. 3 W., 100 ft. W. of T-rd., on N. head wall of culvert; chiseled square	717.90
Truxton, 2.5 mi. SW. of, in SW 1/4 sec. 20, T. 49 N., R. 3 W., NW. of T-rd. N., in root of 24-in. hickory tree; copper nail and washer	631.47
Truxton, 0.8 mi. S. and 3 mi. W. from, cor. secs. 19, 24, 25, and 30, T. 49 N., Rs. 3 and 4 W., 120 ft. S. and 20 ft. E. from fence corner, 20 ft. N. and 10 ft. E. from rd. corner, in concrete post; standard tablet stamped "T T Sta No 11 F 1928"	729.547
Reference mark, 300 ft. S. of tablet, in root of 12-in. cedar tree; copper nail and washer	736.08
Bellflower, about 3 mi. SE. of, about 0.3 mi. N. of center sec. 25, T. 49 N., R. 4 W., at T-rd. N., in NW. corner of schoolyard, in root of 20-in. ash tree; copper nail and washer	758.89
Bellflower, 2.5 mi. SE. of, 0.2 mi. N. of quarter cor. between secs. 25 and 26, T. 49 N., R. 4 W., on N. end of W. curb of bridge over Chicago, Burlington & Quincy R.R.; top of end bolt	763.39
Bellflower, 0.8 mi. S. and 1.5 mi. E. from, 0.2 mi. E. of SW. cor. sec. 23, T. 49 N., R. 4 W., at T-rd. N., in root of 24-in. elm tree; copper nail and washer	762.54
Liege, in SE 1/4 NW 1/4 sec. 22, T. 49 N., R. 4 W., SE. of crossroads, in root of 20-in. maple tree; copper nail and washer	769.11
Liege, 0.5 mi. S. of, near cor. secs. 21, 22, 27, and 28, T. 49 N., R. 4 W., 30 ft. S. and 35 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 10 F 1928"	775.390
Reference mark, across rd. from tablet, in corner of yard, in root of 24-in. maple tree; bent nails	775.78
Liege, 0.5 mi. S. and 1 mi. W. from, near NE. cor. sec. 29, T. 49 N., R. 4 W., 50 ft. W. of crossroads, on S. side of rd., in telephone pole; spike	785.09
Liege, 0.5 mi. S. and 1.8 mi. W. from, 0.2 mi. E. of SW. cor. sec. 20, T. 49 N., R. 4 W., at T-rd. N., on W. head wall of culvert; chiseled square	768.53
Liege, 0.5 mi. S. and 2.2 mi. W. from, 0.2 mi. W. of SE. cor. sec. 19, T. 49 N., R. 4 W., opposite T-rd. N., in telephone pole; bent nails	786.07
Liege, 0.5 mi. S. and 3 mi. W. from, 0.1 mi. E. of SW. cor. sec. 19, T. 49 N., R. 4 W., on W. end of S. curb of bridge over creek; chiseled square	758.57
Buell, 2.8 mi. S. and 1 mi. E. from, near quarter cor. between secs. 24 and 25, T. 49 N., R. 5 W., on NE. wing wall of bridge; chiseled square	771.55
Buell, 2.8 mi. S. of, quarter cor. between secs. 23 and 26, T. 49 N., R. 5 W., 25 ft. S. and 45 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 8 F"	786.259
Reference mark, 8 ft. W. of tablet, in root of 15-in. maple tree; copper nail and washer	786.31
Montgomery City, 1 mi. N. and 3 mi. E. from, 0.2 mi. E. of SE. cor. sec. 22, T. 49 N., R. 5 W., 100 ft. W. of T-rd. N., on N. side of rd., in root of 18-in. twin elm tree; copper nail and washer	785.55
Montgomery City, 2 mi. NE. of, quarter cor. between secs. 21 and 28, T. 49 N., R. 5 W., at NE. angle of T-rd. E., in root of 15-in. walnut tree; copper nail and washer	769.17

4. IN SOUTHEAST CORNER OF QUADRANGLE (by C. P. Thompson in 1935)

(Continued from Hermann No. 1 quadrangle; see line 1.)

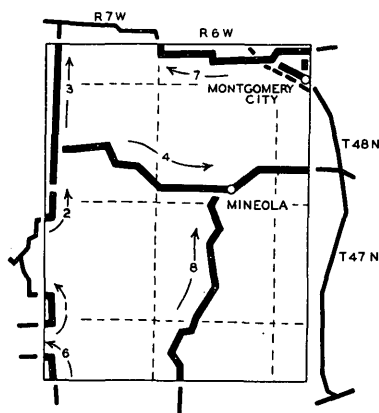
Pendleton, 5.6 mi. SW. of, near center of N 1/2 sec. 9, T. 46 N., R. 3 W., 31 ft. W. of rd., 10 ft. S. and 41 ft. W. from junction of private entrance to farmhouse, in edge of timber, in root on S. side of red-oak tree; copper nail and washer	851.20
Pendleton, 6.7 mi. S. of, near quarter cor. between secs. 9 and 16, T. 46 N., R. 3 W., 32 ft. W. of rd., in SE. corner of yard of Martin School, 20 ft. N. and 4 ft. W. from 6-in. cedar tree, in concrete post; standard tablet stamped "T T 1758 E R A 1935"	891.503

(Continued in Hermann No. 3 quadrangle; see line 2.)

For additional level lines along Wabash Ry. and State Highway 19, refer to United States Coast and Geodetic Survey second-order lines, Hurdland to St. Charles and New Florence to Rosebud.

MINEOLA QUADRANGLE
(Latitude $38^{\circ}45'39''00$; longitude $91^{\circ}30'00''45'$)

Callaway and Montgomery Counties



1. NEAR MIDDLE OF SOUTH HALF OF WEST BORDER OF QUADRANGLE (by M. J. Harden in 1927)

(Continued from Fulton quadrangle; see line 4.)

T. 46 N., R. 7 W., N. sixteenth cor. sec. 6, 46 ft. W. of T-rd. N., S. of rd., in root of 30-in. white-oak tree; copper nail and washer	Feet 703.95
T. 47 N., R. 7 W., center sec. 31, 16 ft. S. and 17 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 14 M 1927"	807.105
Reference mark, 25 ft. E. of tablet, in root of 12-in. hickory tree; copper nail and washer	808.15
T. 47 N., R. 7 W., quarter cor. between secs. 30 and 31, 160 ft. E. of T-rd. E., N. of rd., in fence line, in root of small white-oak tree; copper nail and washer	817.14

(Continued in Fulton quadrangle; see line 5.)

2. NEAR MIDDLE OF WEST BORDER OF QUADRANGLE

(Continued from Fulton quadrangle; see line 6.)

Yucatan, 80 ft. S. and 80 ft. E. from rd. forks, 13 ft. NE. of church, in root on E. side of 20-in. oak tree; copper nail and washer	815.26
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3. NORTH ALONG NORTH HALF OF WEST BORDER OF QUADRANGLE (by W. R. Broadus in 1927)

T. 47 N., R. 7 W., in SE 1/4 sec. 6, 340 ft. S. of rd. fork W., E. of rd., in root on W. side of 30-in. white-oak tree; copper nail and washer	803.94
T. 47 N., R. 7 W., in NE 1/4 sec. 6, 41 ft. N. and 21 ft. E. from T-rd. E., 20 ft. S. and 12 ft. E. from concrete culvert, in concrete post; standard tablet stamped "T T Sta No 11 M 1927"	816.090
Reference mark, SE. of tablet, in root on NW. side of 50-in. oak tree; copper nail and washer	816.13
T. 48 N., R. 7 W., in S 1/2 sec. 30, 20 ft. S. and 60 ft. W. from T-rd. W., in root on E. side of 14-in. cherry tree; copper nail and washer	838.12
T. 48 N., R. 7 W., N. sixteenth cor. sec. 30, 360 ft. N. of E-W. fence, on top of E. head wall of concrete culvert; chiseled square	832.36
T. 48 N., R. 7 W., center sec. 19, 32 ft. N. of U.S. Highway 40 at rd. S. to Yucatan, in concrete post; standard tablet stamped "T T Sta No 12 M 1927" Note: Reset 5/22/37; new elevation 836.516	834.618
Reference mark, S. 10° W. of tablet, on top of W. head wall of concrete culvert; chiseled square	832.86
T. 48 N., R. 7 W., near S. sixteenth cor. sec. 18, 25 ft. S. and 25 ft. E. from T-rd. S., in root on NW. side of 12-in. elm tree; copper nail and washer	791.90
T. 48 N., R. 7 W., near quarter cor. between secs. 7 and 18, 60 ft. N. and 20 ft. E. from T-rd. N., in root on E. side of 15-in. elm tree; copper nail and washer	815.66
T. 48 N., R. 7 W., in SW 1/4 SW 1/4 sec. 6, 15 ft. N. of rd. at curve, 120 ft. S. and 60 ft. W. from two-story farmhouse, in root on S. side of 24-in. walnut tree; copper nail and washer	801.31 703.9
Clarks Branch, under bridge; surface of water at 3 p.m. May 10, 1927	
Tps. 48 and 49 N., Rs. 7 and 8 W., 560 ft. N. of cor. of, 12 ft. N. and 26 ft. E. from rd. fork SW., in concrete post; standard tablet stamped "T T Sta No 13 M 1927"	791.161
Reference mark, 22 ft. S. 20° W. of tablet, in root on NW. side of 30-in. white-oak tree; copper nail and washer	788.38

	<u>Feet</u>
T. 49 N., R. 8 W., in SE 1/4 NE 1/4 sec. 36, 110 ft. W. of rd. forks N. of creek, 60 ft. NW. of rd. forks S. of creek, 15 ft. N. of rd., in root on S. side of 30-in. red-oak tree; copper nail and washer	736.74
T. 49 N., Rs. 7 and 8 W., quarter cor. between secs. 25 and 30, 55 ft. N. and 15 ft. E. from crossroads, in root on W. side of 36-in. black-oak tree; copper nail and washer	792.33

(Continued in Wellsville quadrangle; see line 1.)

4. FROM WEST BORDER OF QUADRANGLE, EAST ALONG UNITED STATES HIGHWAY 40 TO EAST BORDER (by J. H. Vinyard in 1935)

Williamsburg triangulation sta., 2 mi. W. of Williamsburg, along U.S. Highway 40, in NE 1/4 sec. 19, T. 48 N., R. 7 W., 110 ft. N. of highway, 30 ft. N. of locust trees, in N.-S. fence line, in concrete post; U.S.C. & G.S. standard disk stamped "Williamsburg 1934"	843.242
Williamsburg, 0.8 mi. W. of, along U.S. Highway 40, quarter cor. between secs. 20 and 21, T. 48 N., R. 7 W., NW. of cross rd., on top of right-of-way marker; chiseled cross	842.36
Williamsburg, S. of U.S. Highway 40 at cross rd., on E. head wall of culvert; chiseled square	839.54
Williamsburg, 1 mi. E. of, along U.S. Highway 40, near center sec. 22, T. 48 N., R. 7 W., 109 ft. N. of highway, 17 ft. E. of N.-S. fence, 2 ft. S. of E.-W. fence, in concrete post; standard tablet stamped "T T 696 E R A 1935"	817.477
Reference mark, 500 ft. W. of tablet, in root of 50-in. elm tree; copper nail and washer	817.87
Williamsburg, 1.5 mi. E. of, along U.S. Highway 40, in SW 1/4 sec. 23, T. 48 N., R. 7 W., SE. of cross rd., in root of 30-in. elm tree; copper nail and washer	809.30
Williamsburg, 2 mi. E. of, along U.S. Highway 40, near E. sixteenth cor. between secs. 23 and 26, T. 48 N., R. 7 W., 60 ft. S. of junction of rd. N., in root of 10-in. elm tree; crossed nails	806.09
Williamsburg, 2.5 mi. E. of, along U.S. Highway 40 in NW 1/4 sec. 25, T. 48 N., R. 7 W., N. of junction of rd. N., on E. head wall of culvert; chiseled square	793.43
Williamsburg, 3.2 mi. E. of, along U.S. Highway 40, in SE 1/4 sec. 25, T. 48 N., R. 7 W., SE. of junction of rd. S., in corner fence post; crossed nails	802.40
Williamsburg, 3.5 mi. E. of, along U.S. Highway 40, in SE 1/4 SW 1/4 sec. 30, T. 48 N., R. 6 W., about 700 ft. SE. of old barn, 78 ft. N. and 20 ft. W. from cross rd., in concrete post; standard tablet stamped "T T 697 E R A 1935"	822.388
Reference mark, 75 ft. W. of tablet, on old rd., on S. head wall of culvert; chiseled square	820.78
Williamsburg, 3.8 mi. E. of, along U.S. Highway 40, 0.2 mi. S. of NE. cor. sec. 31, T. 48 N., R. 6 W., at junction of rd. S., in knot of 24-in. black-oak tree; copper nail and washer	813.99
Mineola, 2 mi. W. of, along U.S. Highway 40, line between secs. 29 and 32, T. 48 N., R. 6 W., 100 ft. S. of junction of rd. W., in fence line, in root of 24-in. black-oak tree; copper nail and washer	756.03
Mineola, 1 mi. W. of, along U.S. Highway 40, 100 ft. W. of junction of rd. N., on N. head wall of culvert; chiseled square	637.55
Mineola, near center sec. 34, T. 48 N., R. 6 W., 303 ft. E. of E. end of U.S. Highway 40 bridge over Loutre River, 25 ft. N. of highway, in concrete post; standard tablet stamped "T T 698 E R A 1935"	566.663
Reference mark, 303 ft. W. of tablet, on SE. wing wall of bridge; chiseled square	567.32
Mineola, 1.2 mi. NE. of, along U.S. Highway 40, in NW 1/4 sec. 26, T. 48 N., R. 6 W., at top of hill, on W. head wall of culvert; chiseled square	799.98
Danville, 1 mi. W. of, along U.S. Highway 40, in NE 1/4 sec. 26, T. 48 N., R. 6 W., 80 ft. N. of highway, 30 ft. E. of rd. N., in root of twin locust tree; copper nail and washer	822.69
Danville, near quarter cor. between secs. 24 and 25, T. 48 N., R. 6 W., 35 ft. S. and 68 ft. E. from U.S. Highway 40 at N.-S. cross rd., in concrete post; standard tablet stamped "T T 699 E R A 1935"	816.530
Reference mark, 40 ft. E. of tablet, at entrance to church, on E. end of bottom step; chiseled square	816.54
Danville, 0.5 mi. E. of, along U.S. Highway 40, 0.2 mi. N. of SE. cor. sec. 24, T. 48 N., R. 6 W., 150 ft. E. of junction of rd. N., on S. head wall of culvert; chiseled square	813.87
Danville, 1 mi. E. of, along U.S. Highway 40, near E. sixteenth cor. between secs. 19 and 30, T. 48 N., R. 5 W., 100 ft. S. of junction of rd. N., in root of 21-in. elm tree; copper nail and washer	838.52
Danville, 1.8 mi. E. of, along U.S. Highway 40, near quarter cor. between secs. 20 and 21, T. 48 N., R. 5 W., S. of junction of rd. S., near schoolhouse, on E. head wall of culvert; chiseled square	842.75

(Continued in Hermann No. 2 quadrangle; see line 2.)

5. FROM MONTGOMERY CITY NORTH ABOUT 1 MILE

(Continued from Hermann No. 2 quadrangle; see line 1.)

Montgomery City, near intersection of Alton and Ford Streets, 80 ft. N. and 44 ft. E. from main track of Wabash Ry. at Ford Street crossing, in concrete post; standard tablet stamped "T T 688 C W A 1935"	835.859
Reference mark, 80 ft. SE. (? SW.) of tablet, in root on S. side of 24-in. maple tree; copper nail and washer	835.16

Montgomery City, near NW. limits of, near quarter cor. between secs. 31 and 32, T. 49 N., R. 5 W., SE. of State Highway 19 at cross rd., in root of 36-in. maple tree; copper nail and washer	Feet 825.68
Montgomery City, about 1 mi. N. of, about 0.2 mi. S. of cor. secs. 19, 20, 29, and 30, T. 49 N., R. 5 W., 30 ft. S. and 40 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 5 F 1928"	820.468

6. IN SOUTHWEST CORNER OF QUADRANGLE

(Continued from Morrison quadrangle; see line 5.)

Reform, 2 mi. SE. of, in NW 1/4 sec. 18, T. 46 N., R. 7 W., 0.2 mi. E. of farmhouse, on S. head wall of culvert; chiseled square	771.47
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(Continued in Fulton quadrangle; see line 7.)

7. WEST ALONG EAST HALF OF NORTH BORDER OF QUADRANGLE (by C. P. Thompson in 1935)

Montgomery City, near NW. limits of, near S. sixteenth cor. sec. 30, T. 49 N., R. 5 W., 15 ft. S. and 15 ft. W. from T-rd. N., on S. end of galvanized iron pipe culvert; (mark not described)	823.75
Montgomery City, 1.1 mi. W. of, 21 ft. S. and 90 ft. E. from approximate center of SW 1/4 sec. 25, T. 49 N., R. 6 W., in NE. corner of farmyard of E. H. Algermissen, in root on W. side of 16-in. black-locust tree; copper nail and washer	829.30
Montgomery City, 1.5 mi. W. of, about 0.2 mi. N. of cor. secs. 25, 26, 35, and 36, T. 49 N., R. 6 W., 60 ft. N. and 33 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 4 F 1928 806"	805.238
Montgomery City, 2.4 mi. W. of, S. sixteenth cor. between secs. 26 and 27, T. 49 N., R. 6 W., 15 ft. S. and 215 ft. W. from T-rd. S., on S. head wall of concrete culvert; chiseled square	779.72
Montgomery City, about 3.4 mi. W. of, S. sixteenth cor. between secs. 27 and 28, T. 49 N., R. 6 W., 30 ft. N. and 40 ft. E. from T-rd. S., 6 ft. N. and 21 ft. E. from SW. corner of farmyard of Minnie Oliver, in root on S. side of 20-in. black-locust tree; copper nail and washer	789.38
Montgomery City, 4.5 mi. W. of, in S 1/2 sec. 28, T. 49 N., R. 6 W., 30 ft. S. and 20 ft. W. from rd. fork S., in concrete post; standard tablet stamped "T T Sta No 3 F 1928"	756.165
Harpers School, in NE 1/4 sec. 29, T. 49 N., R. 6 W., about 100 ft. S. of SE. corner of schoolhouse, in root on S. side of 22-in. chinquapin tree; copper nail and washer	669.35
Shamrock, about 3.9 mi. E. of, about 600 ft. W. of NE. cor. sec. 30, T. 49 N., R. 6 W., 15 ft. N. and 20 ft. E. from rd. corner N.-W., in root on W. side of 6-in. twin elm tree; copper nail and washer	739.92
Shamrock, 3 mi. E. of, E. cor. secs. 24 and 25, T. 49 N., R. 7 W., 25 ft. N. and 41 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 2 F 1928"	761.402
Shamrock, about 2 mi. E. of, near cor. secs. 23, 24, 25, and 26, T. 49 N., R. 7 W., on W. bank of Loutre River, on top of S. cylinder pier of bridge, in baseplate; southwesternmost rivet	630.84

(Continued in Wellsville quadrangle; see line 4.)

8. FROM MIDDLE OF SOUTH BORDER OF QUADRANGLE NORTH TO MINEOLA

(Continued from Morrison quadrangle; see line 6.)

Bluffton, 4.3 mi. N. of, near W. sixteenth cor. sec. 17, T. 46 N., R. 6 W., 135 ft. N. and 12 ft. W. from rd. corner S.-W. and private rd. N., in fence corner, in root on SW. side of 12-in. wild-cherry tree; copper nail and washer	908.38
Bluffton, about 5 mi. N. of, near cor. secs. 7, 8, 17, and 18, T. 46 N., R. 6 W., near Fair View School, 12 ft. S. of rd. corner from W.-N., at gate, in fence line, in root on N. side of 12-in. wild-cherry tree; copper nail and washer	904.01
Bluffton, 6 mi. N. of, cor. secs. 5, 6, 7, and 8, T. 46 N., R. 6 W., 25 ft. S. and 300 ft. W. from pile of rocks, 17 ft. S. and 50 ft. E. from center of triangle at junction of rd. W., 5 ft. N. and 9 ft. E. from triangular-blazed 18-in. white-oak tree, in concrete post; standard tablet stamped "T T 1724 E R A 1935 873"	872.617
T. 46 N., R. 6 W., near E. sixteenth cor. sec. 5, 550 ft. E. of T-rd. N., 15 ft. N. of rd., about 100 ft. N. and 50 ft. W. from farmhouse of Mrs. John Moseley, in root on SW. side of 12-in. elm tree; copper nail and washer	848.05
T. 47 N., R. 6 W., in SW 1/4 sec. 33, at entrance to farm of W. E. Bahr, 150 ft. S. of fence W., on E. end of N. concrete head wall of wooden bridge; chiseled square	651.18
T. 47 N., R. 6 W., near center of E 1/2 sec. 33, 23 ft. N. and 2 ft. W. from rd. at fence N., 4 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 1725 E R A 1935"	623.156
T. 47 N., R. 6 W., S. sixteenth cor. between secs. 27 and 28, 60 ft. N. and 60 ft. W. from stone, 25 ft. N. of rd., in root on S. side of 16-in. ash tree; copper nail and washer	769.44
T. 47 N., R. 6 W., in SW 1/4 sec. 22, 100 ft. N. of crossroads, 90 ft. N. of mail box of Frank Thomas, 10 ft. W. of rd., in root on E. side of 8-in. oak tree; copper nail and washer	827.40

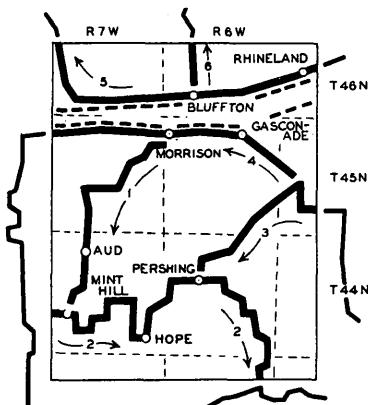
Mineola, 4.8 mi. S. of, in NE 1/4 SE 1/4 sec. 16, T. 47 N., R. 6 W., about 400 ft. S. of bridge over Prairie Creek, 56 ft. S. and 6 ft. E. from rd. forks, in concrete post; standard tablet stamped "T T 1726 E R A 1935 549"	Feet 549.139
Mineola, 4.1 mi. S. of, in NE 1/4 sec. 16, T. 47 N., R. 6 W., 110 ft. N. and 15 ft. E. from rd. forks, 125 ft. S. of farmhouse of Luther McCorty, in root on E. side of 30-in. white-oak tree; copper nail and washer	586.62
Mineola, 3.4 mi. S. of, near E. sixteenth cor. sec. 9, T. 47 N., R. 6 W., near middle of W. edge of cemetery, 40 ft. E. of rd., in root on SE. side of 14-in. cedar tree; copper nail and washer	781.53
Mineola, 2.8 mi. SW. of, in NE 1/4 sec. 9, T. 47 N., R. 6 W., 36 ft. (? 27 ft.) E. of rd., 37 ft. N. and 30 ft. W. from NW. corner of dwelling of George Jones, 10 ft. N. of 27-in. walnut tree at SW. corner of garden, in concrete post; standard tablet stamped "T T 1727 E R A 1935 555"	555.096
Reference mark, at SW. corner of garden, in root of 24-in. walnut tree; copper nail and washer	555.45
Mineola, 1.8 mi. S. of, in NE 1/4 sec. 4, T. 47 N., R. 6 W., 30 ft. S. and 15 ft. E. from road across creek, in fence line, on W. side of 20-in. sycamore tree; copper nail and washer	549.81
Mineola, 0.4 mi. SW. of, in SW 1/4 sec. 34, T. 48 N., R. 6 W., 15 ft. W. of rd., in root on E. side of 48-in. sycamore tree; copper nail and washer	555.44

9. FROM NORTH BORDER OF QUADRANGLE SOUTH TO MONTGOMERY CITY (by T. G. Drummond in 1935)
(Continued from Wellsville quadrangle; see line 5.)

Montgomery City, near N. limits of, 25 ft. S. and 35 ft. W. from T-rd. W., in root on W. side of 14-in. maple tree; copper nail and washer	826.04
U.S.C. & G.S. standard disk stamped "Montgomery City 1934"	832.046
U.S.C. & G.S. standard disk stamped "Y 147 1935"	835.274

For an additional level line along Wabash Ry., refer to United States Coast and Geodetic Survey second-order line, Hurdland to St. Charles.

MORRISON QUADRANGLE
(Latitude $38^{\circ}30' - 38^{\circ}45'$; longitude $91^{\circ}30' - 91^{\circ}45'$)
Callaway, Gasconade, Montgomery, and Osage Counties



1. FROM MORRISON SOUTHWEST TO MINT HILL (by C. E. Reick in 1932)

U.S.C.E. B.M. designated "81"	531.443
Morrison, 0.6 mi. W. of Missouri Pacific R.R. sta., 30 ft. N. of rd. crossing, on E. head wall of culvert; chiseled square	527.61
Morrison, about 1.1 mi. SW. of, center sec. 12, T. 45 N., R. 7 W., 40 ft. N. and 30 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T 194 B 1932"	567.800
Morrison, 2 mi. SW. of, in SE 1/4 sec. 11, T. 45 N., R. 7 W., on N. side of rd., in root of 30-in. cherry tree; copper nail	716.19
T. 45 N., R. 7 W., in NW 1/4 SE 1/4 sec. 15, on top of ridge, 25 ft. N. and 25 ft. W. from store building at rd. forks, 15 ft. N. of rd., in ledge; standard tablet stamped "T T 193 B 1932"	866.288
Reference mark, 12 ft. NW. of tablet, on ledge; chiseled square	865.56
Dodd School, 600 ft. E. of, line between secs. 22 and 27, T. 45 N., R. 7 W., at rd. fork S., N. of rd., in root of 30-in. oak tree; copper nail	699.14
Dodd School, 0.5 mi. W. of, quarter cor. between secs. 21 and 28, T. 45 N., R. 7 W., 45 ft. S. and 28 ft. E. from T-rd. S., in concrete post; standard tablet stamped "T T 192 B 1932"	649.115

	<u>Feet</u>
Reference mark, 40 ft. W. of tablet, in root of 24-in. oak tree; copper nail	645.27
T. 45 N., R. 7 W., in NW 1/4 SW 1/4 sec. 33, E. of rd., in root of 30-in. oak tree; copper nail	765.63
Aud, 1.6 mi. N. of, in NE 1/4 sec. 5, T. 44 N., R. 7 W., 0.2 mi. from Baileys Creek, 200 ft. N. of ford across small creek, 33 ft. W. of rd., 12 ft. N. of 40-in. elm tree, in concrete post; standard tablet stamped "T T 191 B 1932"	598.293 597.66
Reference mark, 13 ft. SE. of tablet, on stone post; chiseled square	
Aud, about 0.2 mi. S. of, in NE 1/4 SE 1/4 sec. 8, T. 44 N., R. 7 W., 30 ft. E. of rd., in root of 20-in. walnut tree; copper nail	639.54
Aud, about 1 mi. SW. of, near center sec. 17, T. 44 N., R. 7 W., 30 ft. NW. of rd. fork NW., in root of 30-in. oak tree; copper nail	841.81
Aud, 1.8 mi. SW. of, in SW 1/4 sec. 17, T. 44 N., R. 7 W., near top of ridge, 22 ft. SE. of rd., 33 ft. N. and 22 ft. W. from N. corner of dwelling of H. F. Johns, in concrete post; standard tablet stamped "T T 190 B 1932"	927.421
Reference mark, 60 ft. NW. of tablet, in root of 18-in. oak tree; copper nail	927.10
Mint Hill, 400 ft. W. of post office, in SW 1/4 sec. 19, T. 44 N., R. 7 W., 50 ft. NE. of rd. fork N., in root of 20-in. oak tree; copper nail	932.06

2. FROM WEST BORDER OF QUADRANGLE EAST TO HOPE, THENCE NORTHEAST TO PERSHING, THENCE SOUTHEAST TO SOUTH BORDER
(Continued from Mokane quadrangle; see line 3.)

T. 44 N., R. 7 W., in NW 1/4 sec. 29, 50 ft. E. of rd. fork N., in root of 20-in. oak tree; copper nail	908.35
T. 44 N., R. 7 W., in SW 1/4 sec. 29, 90 ft. N. and 45 ft. E. from rd. forks, 73 ft. S. 30° W. of dwelling of C. E. Herndon, 6 ft. S. 17° E. of telephone pole, in concrete post; standard tablet stamped "T T 195 B 1932"	884.709
Reference mark, 150 ft. W. of tablet, in root of 24-in. oak tree; copper nail	883.51
T. 44 N., R. 7 W., in SW 1/4 sec. 28, SW. of rd. fork SE., in root of 18-in. oak tree; copper nail	842.22
T. 44 N., R. 7 W., in NE 1/4 NE 1/4 sec. 28, 50 ft. SW. of rd. fork S. to farmhouse, in root of 26-in. oak tree; copper nail	865.29
T. 44 N., R. 7 W., near quarter cor. between secs. 21 and 22, 550 ft. N. of church, 45 ft. S. and 25 ft. W. from rd. forks, in concrete post; standard tablet stamped "T T 196 B 1932"	706.821
Reference mark, 90 ft. N. of tablet, in root of 36-in. oak tree; copper nail	703.72
T. 44 N., R. 7 W., in NE 1/4 sec. 22, on summit, 40 ft. E. of rd. forks, in root of 30-in. oak tree; copper nail	867.19
T. 44 N., R. 7 W., in SW 1/4 SW 1/4 sec. 23, E. of rd., on ledge; chiseled square	869.35
Hope, 94 ft. N. and 24 ft. E. from quarter cor. between secs. 26 and 35, T. 44 N., R. 7 W., 40 ft. N. and 45 ft. W. from NW. corner of post office, 25 ft. S. of rd., 25 ft. E. of creek, in concrete post; standard tablet stamped "T T 197 B 1932"	586.416
Hope, 0.6 mi. E. of, in SE 1/4 sec. 26, T. 44 N., R. 7 W., 15 ft. SW. of rd. forks, in root of 24-in. oak tree; copper nail	734.66
Hope, about 1.3 mi. NE. of, in SW 1/4 SW 1/4 sec. 24, T. 44 N., R. 7 W., 40 ft. SE. of rd. fork S., in root of 18-in. oak tree; copper nail	746.64
Hope, 2.8 mi. E. of, in SW 1/4 sec. 19, T. 44 N., R. 6 W., 18 ft. N. and 15 ft. E. from rd. corner W.-N., 13 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 198 B 1932"	551.425 550.05
Reference mark, 55 ft. SW. of tablet, on cornerstone; chiseled cross	
Pershing, about 1.3 mi. SW. of, in S 1/2 sec. 18, T. 44 N., R. 6 W., NW. of rd. fork E., in root of 20-in. oak tree; copper nail	661.88
Pershing, 1 mi. SW. of, in NE 1/4 sec. 18, T. 44 N., R. 6 W., in root of 30-in. oak tree; copper nail	685.20
Pershing, 0.2 mi. SE. of, in SE 1/4 SE 1/4 sec. 8, T. 44 N., R. 6 W., in NW. corner of yard of Zion Church, 30 ft. S. of rd., 5 ft. S. of side-walk, in concrete post; standard tablet stamped "T T 199 B 1932"	714.877
Reference mark, 60 ft. NW. of tablet, on NW. corner of concrete walk; chiseled square	715.13
T. 44 N., R. 6 W., in NE 1/4 sec. 16, at lane N., in root of 12-in. hickory tree; spike	648.24
T. 44 N., R. 6 W., cor. secs. 15, 16, 21, and 22, in base of corner post; spike	592.37
Brown Shanty Ferry, in NE 1/4 sec. 22, T. 44 N., R. 6 W., on S. bank of Gasconade River, W. of rd., in root of 25-in. sycamore tree; copper nail	529.61
T. 44 N., R. 6 W., line between secs. 23 and 26, at top of hill N. of Puncheon Creek, W. of rd., in root of 24-in. oak tree; copper nail	711.05
T. 44 N., R. 6 W., near center of SE 1/4 sec. 26, on S. side of concrete bridge over Puncheon Creek; chiseled square	538.08
Bay, about 1.5 mi. NE. of, in SE 1/4 NW 1/4 sec. 36, T. 44 N., R. 6 W., 58 ft. N. and 6 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 201 B 1932"	594.205
Bay, about 0.7 mi. NE. of, in SW 1/4 sec. 36, T. 44 N., R. 6 W., 60 ft. SE. of rd. forks, in root of 20-in. hickory tree; copper nail	554.98
Bay, in NE 1/4 sec. 2, T. 43 N., R. 6 W., 150 ft. NE. of crossroads, on S. head wall of culvert; chiseled square	571.83

(Continued in Bland quadrangle; see line 1.)

3. FROM MIDDLE OF EAST BORDER OF QUADRANGLE, SOUTHWEST TO PERSHING
(by B. A. Barnes in 1934)

(Continued from Hermann No. 3 quadrangle; see line 1.)

T. 45 N., R. 5 W., in SE 1/4 sec. 20, about 0.2 mi. NW. of dwelling of O. T. Gower, at top of hill, 52 ft. E. of rd. forks, in root of lone 30-in. black-oak tree; copper nail and washer	Feet 697.86
Gasconade, 3 mi. SE. of, along County Route M, in SE 1/4 NW 1/4 sec. 20, T. 45 N., R. 5 W., 67 ft. N. and 54 ft. W. from junction of rd. SW. to Fredericksburg, in concrete post; standard tablet stamped "663 C W A 1934"	555.198
T. 45 N., R. 5 W., near quarter cor. between secs. 19 and 20, 76 ft. W. of rd., 123 ft. S. of dwelling, on concrete base of gasoline pump; chiseled square	530.99
T. 45 N., R. 5 W., in SE 1/4 sec. 19, 500 ft. W. of dwelling, on S. head wall of concrete culvert; chiseled square	553.39
T. 45 N., R. 6 W., near S. sixteenth cor. sec. 25, 8 ft. E. of rd. N., 13 ft. S. of gate, 21 ft. N. of rd., in root of 20-in. black-oak tree; copper nail and washer	749.24
T. 45 N., R. 6 W., in NE 1/4 sec. 35, 26 ft. N. of rd., at fence corner, in root of 18-in. black-oak tree; copper nail and washer	774.92
T. 45 N., R. 6 W., in NE 1/4 sec. 35, 9.5 mi. SW. of Hermann, 90 ft. S. and 70 ft. W. from Fredericksburg-Hermann rd., at junction of rd. S. to Turnpike Bluff, in angle between rds., in concrete post; standard tablet stamped "664 C W A 1934"	822.808
T. 45 N., R. 6 W., in SW 1/4 SE 1/4 sec. 35, at rd. forks, 22 ft. E. of rd. S., 12 ft. S. of rd. W., in root of 22-in. black-oak tree; copper nail and washer	842.02
T. 44 N., R. 6 W., in NW 1/4 sec. 2, 110 ft. SW. of rd. S., 14 ft. N. of rd. SW., in root of 12-in. white-oak tree; copper nail and washer	850.66
Turnpike Bluff triangulation sta., about 2.1 mi. NE. of Pershing, in E 1/2 sec. 3, T. 44 N., R. 6 W., about 0.2 mi. E. of small cleared field, about 360 ft. above SW. base of bluff, at center of small Indian mound, in stone post; U.S.C. & G.S. standard disk	879.839
T. 44 N., R. 6 W., in S 1/2 sec. 3, at foot of Turnpike Bluff, 90 ft. W. of NW. corner of clubhouse of Lewis Boehn, 5 ft. W. of rd., in root of 24-in. white-oak tree; copper nail and washer	530.50
U.S.C.E. B.M. designated "No 9"	
Top of cap	519.412
Copper bolt	515.466
T. 44 N., R. 6 W., in NE 1/4 NE 1/4 sec. 9, on center of S. head wall of concrete culvert; chiseled cross	525.72
Pershing, at N. edge of, in SE 1/4 NE 1/4 sec. 8, T. 44 N., R. 6 W., 17 ft. W. of rd., in root of 14-in. black-oak tree; copper nail and washer	662.06

4. FROM POINT NEAR MIDDLE OF EAST BORDER OF QUADRANGLE, NORTHWEST
TO GASCONADE, THENCE WEST ALONG MISSOURI PACIFIC RAILROAD TO
WEST BORDER

T. 45 N., R. 5 W., near quarter cor. between secs. 18 and 19, on County Route M, on S. head wall of culvert; chiseled cross	522.21
T. 45 N., R. 6 W., near center sec. 13, at top of hill, 35 ft. E. of County Route M, in root of 18-in. black-oak tree; copper nail and washer	717.55
T. 45 N., R. 6 W., in SW 1/4 sec. 12, about 0.5 mi. SE. of County Route M bridge over Gasconade River, 10 ft. SE. of SE. corner of dwelling of Cyrus Miller, in root of small, twin oak tree; copper nail and washer	799.95
Gasconade, on SW. concrete wing wall of County Route M bridge over Gasconade River; chiseled square	525.52
Gasconade, 50 ft. S. and 147 ft. W. from Missouri Pacific R.R. sta., 32 ft. N. and 32 ft. E. from intersection of Main Street and street crossing track, 2 ft. S. of concrete sidewalk, in concrete post; standard tablet stamped "665 C W A 1934"	524.532
U.S.C.E. B.M. designated "No 1-A"	
Top of cap	515.990
U.S.C. & G.S. B.M. designated "XVIII"	526.344
Gasconade, 2 mi. W. of, in SW 1/4 NE 1/4 sec. 9, T. 45 N., R. 6 W., 30 ft. W. of rd., in root of 12-in. hickory tree; copper nail and washer	687.88
Gasconade, 2.5 mi. W. of, in SE 1/4 NW 1/4 sec. 9, T. 45 N., R. 6 W., 30 ft. N. of County Route M, 171 ft. W. of W. face of dwelling of George Erik, in concrete post; standard tablet stamped "T T 666 C W A 1934"	707.680
T. 45 N., R. 6 W., in SW 1/4 SW 1/4 sec. 4, on Missouri Pacific R.R., 60 ft. N. of abandoned highway bridge, on W. end of S. head wall of concrete culvert under track; chiseled cross	524.96
T. 45 N., R. 7 W., in NE 1/4 NW 1/4 sec. 11, on Missouri Pacific R.R., on NW. corner of concrete base of semaphore 932-DL; chiseled square	532.85
U.S.C.E. B.M. designated "83=2L/1"	
Top of cap	536.190
Chamois, 4 mi. E. of, along Missouri Pacific R.R., in NE 1/4 NE 1/4 sec. 9, T. 45 N., R. 7 W., 0.2 mi. W. of rd. crossing, 24 ft. S. and 225 ft. E. from milepole 96.2, 40 ft. N. of track, on small levee running NW., in concrete post; standard tablet stamped "T T 667 C W A 1934"	524.194
Chamois, about 2.6 mi. E. of, along Missouri Pacific R.R., in NW 1/4 sec. 8, T. 45 N., R. 7 W., on NW. corner of concrete base of semaphore; (mark not described)	532.93

(Continued in Mokane quadrangle; see line 5.)

5. FROM EAST BORDER OF QUADRANGLE, WEST ALONG MISSOURI-KANSAS-TEXAS RAILROAD TO PORTLAND, THENCE NORTHWEST TO NORTH BORDER (by J. H. Vinyard in 1935)

(Continued from Hermann No. 3 quadrangle; see line 7.)

	<u>Feet</u>
Rhineland, 0.5 mi. E. of, along Missouri-Kansas-Texas R.R., near center sec. 29, T. 46 N., R. 5 W., 50 ft. S. of track, 30 ft. N. of County Route M, 105 ft. E. of E. face of church, in concrete post; standard tablet stamped "T T 685 C W A 1935"	519.730
Reference mark, 200 ft. W. of tablet, on N. head wall of culvert; chiseled square	519.63
Rhineland, 400 ft. W. of Missouri-Kansas-Texas R.R. sta., on N. head wall of culvert; chiseled square	520.13
Rhineland, 0.8 mi. W. of, along Missouri-Kansas-Texas R.R., near NW. cor. sec. 31, T. 46 N., R. 5 W., between T-rd. N. and T-rd. S., on SE. wing wall of bridge; chiseled square	516.96
Rhineland, 1.8 mi. W. of, along Missouri-Kansas-Texas R.R., near rd. crossing and T-rd. S., at SE. corner of bridge; top of anchor-bolt	517.05
Rhineland, 2 mi. W. of, along Missouri-Kansas-Texas R.R., in S 1/2 sec. 35, T. 46 N., R. 6 W., 225 ft. W. of rd. crossing, 18 ft. N. of track, in line with rd. S., in concrete post; standard tablet stamped "T T 686 C W A 1935"	517.794
Reference mark, 250 ft. N. of rd. crossing, on SE. wing wall of bridge; chiseled square	520.84
Bluffton, 2.5 mi. E. of, along Missouri-Kansas-Texas R.R., in SE 1/4 sec. 34, T. 46 N., R. 6 W., 500 ft. W. of rd. to farmhouse, on S. side of track, opposite farmhouse, in root of 30-in. elm tree; copper nail and washer	516.21
Bluffton, 1.5 mi. E. of, along Missouri-Kansas-Texas R.R., in SE 1/4 sec. 33, T. 46 N., R. 6 W., opposite farmhouse, at highway bridge, at W. end of N. rail; top of channel post	517.40
Bluffton, 0.8 mi. E. of, along Missouri-Kansas-Texas R.R., in SE 1/4 sec. 32, T. 46 N., R. 6 W., on N. head wall of culvert; bronze tablet (Missouri-Kansas-Texas R.R. B.M.)	522.76
Bluffton, in SW 1/4 sec. 32, T. 46 N., R. 6 W., 40 ft. S. and 138 ft. W. from SW. corner of Missouri-Kansas-Texas R.R. sta., in concrete post; standard tablet stamped "T T 1601 E R A 1935"	523.535
Reference mark, 30 ft. S. of tablet, in root of 20-in. ash tree; copper nail and washer	519.85
Bluffton, 0.6 mi. W. of, along Missouri-Kansas-Texas R.R., in S 1/2 sec. 31, T. 46 N., R. 6 W., 50 ft. W. of rd. crossing, on N. side of track, in telegraph pole; spike	525.22
Bluffton, 2 mi. W. of, along Missouri-Kansas-Texas R.R., in SW 1/4 sec. 36, T. 46 N., R. 7 W., about 0.7 mi. W. of Callaway-Montgomery county line, in telegraph pole; spike	530.00
Bluffton, 2.8 mi. W. of, along Missouri-Kansas-Texas R.R., in SE 1/4 sec. 35, T. 46 N., R. 7 W., 400 ft. E. of bridge over Little Tavern Creek, on N. head wall of culvert; bronze tablet (Missouri-Kansas-Texas R.R. B.M.)	527.231
Portland, 1.2 mi. E. of, along Missouri-Kansas-Texas R.R., in E 1/2 sec. 34, T. 46 N., R. 7 W., 11 ft. S. of track, in E. abutment of bridge over Big Tavern Creek; standard tablet stamped "T T 1602 E R A 1935"	523.079
Portland, at SW. corner of first intersection of streets N. of Missouri-Kansas-Texas R.R., on E. end of concrete wall; chiseled square	540.43
Portland, 1 mi. NW. of, in NE. cor. sec. 32, T. 46 N., R. 7 W., at entrance to farmhouse, NE. of rd., in root of 12-in. locust tree; copper nail and washer	581.08
Portland, 1.8 mi. NW. of, in SW 1/4 sec. 29, T. 46 N., R. 7 W., opposite T-rd. SW., in root of 15-in. white-oak tree; copper nail and washer	716.96
Portland, 2.2 mi. NW. of, in NW 1/4 sec. 29, T. 46 N., R. 7 W., near Gibson School, 100 ft. E. of T-rd. SW., N. of rd., on sandstone ledge; chiseled square	787.64
Portland, 3 mi. NW. of, 3 mi. SE. of Reform, in NE 1/4 sec. 19, T. 46 N., R. 7 W., 100 ft. N. of ford across Logan Creek, 12 ft. W. of rd. forks, in concrete post; standard tablet stamped "P T Sta No 138 S 1927"	568.669
Reference mark, 300 ft. N. of tablet, in root of 15-in. elm tree; copper nail and washer	570.04

(Continued in Mineola quadrangle; see line 6.)

6. FROM BLUFFTON NORTH TO NORTH BORDER OF QUADRANGLE (by C. P. Thompson in 1935)

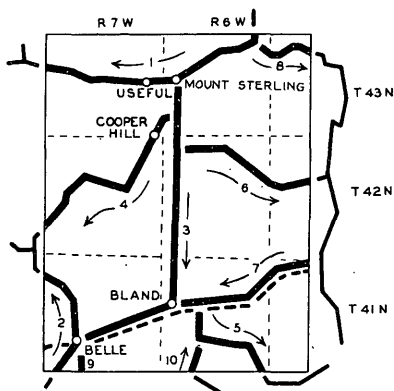
Bluffton, 1.2 mi. NE. of, in SE 1/4 sec. 29, T. 46 N., R. 6 W., 16 ft. S. of rd. forks, in root on N. side of 22-in. twin elm tree; copper nail and washer	553.94
Bluffton, 2.2 mi. N. of, near quarter cor. between secs. 20 and 29, T. 46 N., R. 6 W., on top of ridge, 15 ft. S. of rd., in fence line, in root on N. side of 18-in. post-oak tree; copper nail and washer	889.63
Bluffton, 3.5 mi. N. of, near center of N 1/2 sec. 20, T. 46 N., R. 6 W., 11 ft. S. and 8 ft. W. from rd. corner SE.-N., 11 ft. N. and 7 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 1723 E R A 1935 885"	884.820

(Continued in Mineola quadrangle; see line 8.)

For additional level lines along north and south banks of Missouri River, refer to United States Coast and Geodetic Survey first-order lines, Twelve Miles Above St. Louis to Jefferson City and St. Louis to Jefferson City.

BLAND QUADRANGLE
(Latitude $38^{\circ}15' - 38^{\circ}30'$; longitude $91^{\circ}30' - 91^{\circ}45'$)

Gasconade, Maries, and Osage Counties



1. FROM EAST HALF OF NORTH BORDER OF QUADRANGLE, SOUTH ALONG COUNTY ROUTE K TO UNITED STATES HIGHWAY 50, THENCE WEST ALONG HIGHWAY TO WEST BORDER (by C. E. Reick in 1932)
(Continued from Morrison quadrangle; see line 2.)

	Feet
T. 43 N., R. 6 W., 0.1 mi. S. of cor. secs. 1, 2, 11, and 12, 1 mi. SE. of Bay, 30 ft. NE. of rd. fork E., in root of 30-in. oak tree; spike	578.23
T. 43 N., R. 6 W., 0.2 mi. SW. of center sec. 12, 360 ft. E. of U.S. Highway 50 at rd. N. to Bay, at SW. corner of bridge, in concrete wing wall; standard tablet stamped "30 R 1932"	597.357
Reference mark, 360 ft. W. of tablet, on N. head wall of culvert; chiseled square	597.85
T. 43 N., R. 6 W., near quarter cor. between secs. 11 and 14, on summit, 30 ft. S. of U.S. Highway 50 at trail S. to Cave Hill, on boulder; chiseled square	821.74
T. 43 N., R. 6 W., in NW 1/4 NE 1/4 sec. 15, 20 ft. NW. of U.S. Highway 50 at rd. NE. to Bay, on W. head wall of culvert; chiseled square	647.90
Mount Sterling, 2.6 mi. NE. of, along U.S. Highway 50, in NW 1/4 NW 1/4 sec. 15, T. 43 N., R. 6 W., 170 ft. S. and 200 ft. E. from dwelling of George Buschmann, 40 ft. S. and 30 ft. E. from junction of dim rd. SE., in concrete post; standard tablet stamped "T T 47 B 1932"	626.594
Mount Sterling, about 1.6 mi. E. of, along U.S. Highway 50, 0.2 mi. E. of quarter cor. between secs. 16 and 17, T. 43 N., R. 6 W., on N. side of highway, on head wall of culvert; chiseled square	589.34
Mount Sterling, 0.6 mi. E. of, along U.S. Highway 50, near Wiggins School, on NW. abutment of concrete bridge; chiseled square	569.84
Mount Sterling, in NW 1/4 sec. 20, T. 43 N., R. 6 W., 180 ft. N. of post office, 50 ft. N. and 40 ft. E. from U.S. Highway 50 at cross rd., in concrete post; standard tablet stamped "T T 46 B 1932"	591.088
Reference mark, 100 ft. SW. of tablet, on head wall of culvert; chiseled square	584.34
Mount Sterling, 0.9 mi. W. of, along U.S. Highway 50, 80 ft. W. of Gasconade-Osage county line, on N. head wall of culvert; chiseled square	625.72
T. 43 N., R. 7 W., in E 1/2 sec. 23, 200 ft. S. of Possumtown School, in root of 30-in. oak tree; copper nail	745.62
Mount Sterling, 3.6 mi. W. of, along U.S. Highway 50, in NW 1/4 sec. 26, T. 43 N., R. 7 W., about 0.4 mi. SW. of Useful general store, 38 ft. S. of highway, opposite SE. corner of cemetery, in concrete post; standard tablet stamped "T T 45 B 1932"	768.642
T. 43 N., R. 7 W., in SW 1/4 SW 1/4 sec. 22, 60 ft. NW. of U.S. Highway 50 at rd. NE. to Hope, on head wall of culvert; chiseled square	809.41
T. 43 N., R. 7 W., in NW 1/4 SW 1/4 sec. 21, 28 ft. N. of U.S. Highway 50, in root of 30-in. oak tree; copper nail	809.31
T. 43 N., R. 7 W., in NW 1/4 SE 1/4 sec. 20, 6.7 mi. SE. of Linn, along U.S. Highway 50, 1.4 mi. E. of junction of State Highway 89, on top of hill, 37 ft. S. of highway, 670 ft. E. of dwelling of A. Rhoads, in concrete post; standard tablet stamped "T T 44 B 1932"	799.703
Reference mark, 440 ft. W. of tablet; top of right-of-way post	790.52

(Continued in Linn quadrangle; see line 4.)

2. FROM SOUTHWEST CORNER OF QUADRANGLE NORTHEAST TO BELLE, THENCE NORTHWEST TO WEST BORDER (by L. V. Johnson in 1933)
(Continued from Vienna quadrangle; see line 3.)

	<u>Feet</u>
Belle, 3.2 mi. SW. of, 4.4 mi. NE. of Paydown, 30 ft. N. and 20 ft. W. from rd. fork N., in root on S. side of 10-in. oak tree; copper nail and washer	993.82
Belle, 2.1 mi. SW. of, 5.5 mi. NE. of Paydown, 0.6 mi. W. of junction of State Highway 28 and rd. W. to Pay Down, 23 ft. N. and 12 ft. E. from crossroads, in root on W. side of 8-in. oak tree; copper nail and washer	977.07
Belle, 1.4 mi. S. of, along State Highway 28, near center sec. 29, T. 41 N., R. 7 W., 85 ft. N. and 35 ft. E. from junction of rd. E., 50 ft. E. of highway, in W. edge of yard of Crossroads School, in concrete post; standard tablet stamped "T 5 T 1933 1032"	1,032.500
Reference mark, 50 ft. N. of tablet, in root on W. side of 14-in. oak tree; copper nail and washer	1,031.79
Belle, 0.8 mi. SW. of, along State Highway 28, 250 ft. SW. of dwelling of Harry Morlock, 25 ft. S. of highway, on head wall of concrete culvert; chiseled square	1,021.89
Belle, at entrance to Chicago, Rock Island & Pacific Ry. sta., on concrete step; chiseled square	1,027.26
Belle, 0.6 mi. N. of, along State Highway 89, 30 ft. S. and 90 ft. W. from junction of rd. W., in root on E. side of 24-in. oak tree; copper nail and washer	1,034.32
Belle, 1.3 mi. NW. of, along State Highway 89, in NW 1/4 NE 1/4 sec. 17, T. 41 N., R. 7 W., 40 ft. W. of junction of rd. E., 35 ft. S. of highway at curve, 4 ft. NW. of telephone pole, in concrete post; standard tablet stamped "T T 6 T 1933 1012"	1,041.978
Belle, 2.3 mi. NW. of, along State Highway 89, 35 ft. S. of highway, 15 ft. NE. of NE. corner of farmhouse, in root on N. side of 10-in. maple tree; copper nail and washer	989.93

(Continued in Linn quadrangle; see line 6.)

3. FROM MT. STERLING SOUTH TO BLAND, THENCE WEST ALONG STATE HIGHWAY 28 TO BELLE

Mount Sterling, 1.3 mi. S. of, along rd. to Bland, 5 ft. N. and 45 ft. W. from rd. fork W., in root on N. side of 24-in. oak tree; copper nail and washer	769.90
Mount Sterling, 1.9 mi. S. of, along rd. to Bland, 15 ft. N. and 25 ft. W. from junction of Cooper Hill rd., in root on E. side of 24-in. oak tree; copper nail and washer	828.84
Mount Sterling, 3.2 mi. S. of, along rd. to Bland, in N 1/2 sec. 6, T. 42 N., R. 6 W., 21 ft. W. of rd., 5 ft. W. of 8-in. walnut tree, in fence corner, in concrete post; standard tablet stamped "1 J 1933 614"	614.344
Reference mark, 50 ft. S. of tablet, in root on NE. side of twin elm tree; copper nail and washer	613.66
Mount Sterling, 4.3 mi. S. of, along rd. to Bland, in SW 1/4 sec. 6, T. 42 N., R. 6 W., about 150 ft. W. of Valentine Ford across Third Creek, 35 ft. S. and 10 ft. W. from crossing of Cooper Hill-Owensville rd., in root on N. side of triangular-blazed 12-in. sycamore tree; copper nail and washer	555.91
Mount Sterling, 5.2 mi. S. of, along rd. to Bland, in W 1/2 sec. 7, T. 42 N., R. 6 W., 35 ft. N. and 20 ft. W. from Drewel Ford across Crider Creek, in root on NE. side of 40-in. sycamore tree; copper nail and washer	569.20
Mount Sterling, 6 mi. S. of, along rd. to Bland, in NE 1/4 sec. 18, T. 42 N., R. 6 W., 100 ft. S. and 20 ft. E. from rd. forks, in root on W. side of twin wild-cherry tree; copper nail and washer	608.53
Mount Sterling, 7.1 mi. S. of, along rd. to Bland, 0.2 mi. W. of cor. secs. 17, 18, 19, and 20, T. 42 N., R. 6 W., 18 ft. S. and 53 ft. W. from rd. corner, in concrete post; standard tablet stamped "2 J 1933 592"	592.718
Mount Sterling, 8 mi. S. of, along rd. to Bland, in SE 1/4 sec. 19, T. 42 N., R. 6 W., about 100 ft. SW. of ford across Crider Creek, 12 ft. E. of rd., in root on W. side of 20-in. locust tree; copper nail and washer	612.46
Bland, 4.1 mi. N. of, along rd. to Mount Sterling, 0.2 mi. W. of center sec. 29, T. 42 N., R. 6 W., about 80 ft. E. of farmhouse, 10 ft. S. of rd., in root on E. side of 24-in. walnut tree; copper nail and washer	666.13
Bland, 3 mi. N. of, along rd. to Mount Sterling, about 0.1 mi. W. of center sec. 32, T. 42 N., R. 6 W., about 100 ft. NE. of ford across Crider Creek, 14 ft. S. and 11 ft. E. from junction of rd. NW., 2 ft. inside fence, in concrete post; standard tablet stamped "3 J 1933 669"	669.576
Reference mark, 40 ft. W. of rd. forks, in root on NW. side of 6-in. sycamore tree; copper nail and washer	668.44
Bland, 1.8 mi. N. of, along County Route A, 30 ft. E. of highway at bottom of large draw at curve, in root on W. side of triangular-blazed 18-in. elm tree; copper nail and washer	762.78
Bland, 0.8 mi. N. of, along County Route A, 160 ft. S. of junction of rd. E., 12 ft. W. of highway, at foot of large hill, on N. end of W. head wall of large concrete culvert over Crider Creek; chiseled square	772.22
Bland, about 200 ft. W. of NW. corner of Chicago, Rock Island & Pacific Ry. sta., 96 ft. N. of main track, 50 ft. S. and 36 ft. E. from intersection of Main Street and Colorado Avenue, in concrete post; standard tablet stamped "T T 13 T 1933 1023"	1,022.495
Reference mark, 20 ft. N. and 25 ft. E. from cross streets, in root on S. side of 10-in. maple tree; copper nail and washer	1,025.39

Bland, 0.8 mi. W. of, along State Highway 28, 0.2 mi. W. of Gasconade-Osage county line, 60 ft. N. of highway, in bottom of draw, in root on S. side of 12-in. oak tree; copper nail and washer	<u>Feet</u> 975.46
Bland, 1.8 mi. W. of, along State Highway 28, 25 ft. S. and 50 ft. E. from junction of private rd. N., in base of transmission-line pole; spike	1,021.95
Bland, 2.4 mi. W. of, along State Highway 28, 2.7 mi. E. of Belle, about 0.2 mi. W. of Dingley School, 50 ft. S. and 60 ft. W. from cross rd., on NW. corner of concrete base of filling sta. pumps; chiseled square	1,040.67
Belle, 2 mi. E. of, cor. secs. 14, 15, 22, and 23, T. 41 N., R. 7 W., 14 ft. N. and 52 ft. W. from T-rd. S., on Maries-Osage county line, in concrete post; standard tablet stamped "T 12 T 1933 1036"	1,036.112
Reference mark, 350 ft. E. of tablet, at base of gatepost brace, on sandstone rock; chiseled square	1,039.90
Belle, 1.2 mi. E. of, along Maries-Osage county line, W. sixteenth cor. between secs. 15 and 22, T. 41 N., R. 7 W., 15 ft. S. and 10 ft. W. from crossroads, on W. end of concrete culvert; chiseled square	1,055.55
Belle, at E. limits of, 12 ft. N. and 85 ft. E. from State Highway 28 at Maries-Osage county line, on E. end of head wall of concrete culvert; chiseled square	1,038.72

4. FROM POINT 2 MILES SOUTH OF MT. STERLING, SOUTHWEST ALONG ROADS TO WEST BORDER OF QUADRANGLE

Cooper Hill, 1 mi. NE. of, along rd. to Mount Sterling, at top of hill, 15 ft. S. and 40 ft. W. from junction of private rd. W. to Glencoe Lake, 60 ft. SW. of mail box of J. A. Volks, in root on E. side of 15-in. oak tree; copper nail and washer	710.92
Cooper Hill, in SW 1/4 sec. 36, T. 43 N., R. 7 W., about 110 ft. SE. of post office, 10 ft. N. and 90 ft. E. from rd. forks, 4 ft. SE. of fence corner, in concrete post; standard tablet stamped "4 J 1933 561"	561.436
Reference mark, 23 ft. NW. of tablet; top of iron pin driven in ground	561.44
Cooper Hill, 0.8 mi. SW. of, along rd. to Fuersville, 40 ft. S. and 65 ft. W. from rd. fork W., in root on E. side of 12-in. hickory tree; copper nail and washer	557.99
Cooper Hill, 1.9 mi. S. of, along rd. to Fuersville, 50 ft. N. and 35 ft. W. from rd., at fences E. and W., at bottom of draw, in root on W. side of triangular-blazed 18-in. walnut tree; copper nail and washer	703.67
Cooper Hill, 2.3 mi. S. of, along rd. to Fuersville, 105 ft. N. of NE. corner of Postoak School, 30 ft. W. of rd., in root on NE. side of 18-in. oak tree; copper nail and washer	747.41
Fuersville, near quarter cor. between secs. 11 and 14, T. 42 N., R. 7 W., 80 ft. S. and 18 ft. E. from SE. corner of store building of Tom Tyree, 15 ft. W. of rd., 1 ft. SE. of fence corner, in concrete post; standard tablet stamped "5 J 1933 800"	799.669
Fuersville, 1.1 mi. S. of, at entrance to Fuersville Lutheran Church, on rock step; chiseled square	783.12
College Hill Church, 1.5 mi. SE. of, in SE 1/4 SW 1/4 sec. 15, T. 42 N., R. 7 W., about 100 ft. NW. of dwelling of W. C. Goettling, 20 ft. E. of rd., in root on NW. side of 30-in. oak tree; copper nail and washer	814.19
College Hill Church, 0.6 mi. E. of, 0.2 mi. S. of cor. secs. 9, 10, 15, and 16, T. 42 N., R. 7 W., 20 ft. S. and 35 ft. W. from T-rd. S., in root on N. side of 24-in. oak tree; copper nail and washer	753.84
College Hill Church, 1020 ft. S. of limestone rock at quarter cor. between secs. 9 and 16, T. 42 N., R. 7 W., 43 ft. N. and 22 ft. W. from NW. corner of church, 71 ft. N. (? 43) and 12 ft. E. from NE. corner of College Hill School, 10 ft. N. of rd., 11 ft. W. of fence corner, in concrete post; standard tablet stamped "6 J 1933 632"	631.625
Reference mark, 25 ft. E. of tablet, in root on SE. side of 36-in. oak tree; copper nail and washer	633.67
College Hill Church, 0.8 mi. W. of, in NE 1/4 sec. 17, T. 42 N., R. 7 W., 45 ft. S. and 25 ft. E. from rd. forks, in root on NE. side of 12-in. oak tree; copper nail and washer	772.64
College Hill Church, 1.7 mi. SW. of, in SW 1/4 sec. 17, T. 42 N., R. 7 W., 7 ft. N. and 22 ft. W. from T-rd. W., in root on S. side of 15-in. oak tree; copper nail and washer	821.76
College Hill Church, 2.7 mi. SW. of, in SW 1/4 sec. 20, T. 42 N., R. 7 W., 26 ft. N. and 73 ft. E. from junction of rd. E., in concrete post; standard tablet stamped "7 J 1933 822"	822.364
College Hill Church, 3.5 mi. SW. of, in NE 1/4 sec. 30, T. 42 N., R. 7 W., 35 ft. S. and 40 ft. W. from rd. fork W., in root on N. side of 12-in. hickory tree; copper nail and washer	850.64

(Continued in Linn quadrangle; see line 8.)

5. FROM BLAND SOUTHEAST TO SOUTH BORDER OF QUADRANGLE

Bland, 0.8 mi. SE. of, along State Highway 28, 90 ft. S. and 30 ft. W. from junction of County Route B, about 60 ft. NE. of NE. corner of farmhouse, 20 ft. W. of fence corner, in root on S. side of 18-in. oak tree; copper nail and washer	1,020.02
Bland, 1.2 mi. SE. of, along County Route B, 0.4 mi. S. of State Highway 28, 130 ft. S. and 50 ft. W. from junction of rd. SE., in root on NE. side of 15-in. oak tree; copper nail and washer	994.64
Bland, 2.2 mi. SE. of, in S 1/2 sec. 20, T. 41 N., R. 6 W., 25 ft. S. and 50 ft. E. from crossroads, 35 ft. W. of NW. corner of cemetery, in root on N. side of 20-in. oak tree; copper nail and washer	921.16

	<u>Feet</u>
Cleavesville, quarter cor. between secs. 21 and 28, T. 41 N., R. 6 W., about 0.2 mi. NE. of store of Henry Essman, 48 ft. S. and 19 ft. W. from junction of rd. S., 5 ft. S. of 10-in. cedar tree, in NE. corner of yard of Henry Stephens, in concrete post; standard tablet stamped "8 J 1933 901"	900.977
Reference mark, 330 ft. W. of tablet, on W. end of S. head wall of culvert; chiseled square	886.73
Cleavesville, 0.6 mi. S. of, center sec. 28, T. 41 N., R. 6 W., 5 ft. S. and 15 ft. W. from rd. corner, about 150 ft. SE. of dwelling of H. C. Gleize, 5 ft. E. of NE. corner of garage, in root on NE. side of 30-in. oak tree; copper nail and washer	869.09
Cleavesville, 0.5 mi. S., thence 1.2 mi. E. from, about 0.2 mi. W. of quarter cor. between secs. 26 and 27, T. 41 N., R. 6 W., 10 ft. S. and 180 ft. E. from T-rd. E., in root on W. side of 30-in. oak tree; copper nail and washer	875.73
Cleavesville, 2.7 mi. SE. of, in SW 1/4 sec. 26, T. 41 N., R. 6 W., 20 ft. N. and 53 ft. E. from rd. forks, 30 ft. S. and 76 ft. W. from SW. corner of Wallace School, 5 ft. N. of fence corner, in concrete post; standard tablet stamped "9 J 1933 976"	975.875
Reference mark, 50 ft. S. and 25 ft. E. from SE. corner of schoolhouse, in root on NE. side of 24-in. oak tree; copper nail, and washer	974.49

(Continued in Redbird quadrangle; see line 2.)

6. FROM POINT 4.3 MILES SOUTH OF MOUNT STERLING, EAST TO EAST BORDER OF QUADRANGLE

Neesse School, 0.2 mi. NW. of, in NW 1/4 sec. 8, T. 42 N., R. 6 W., about 250 ft. W. of farmhouse of H. W. Neesse, 12 ft. N. of rd., on N. head wall of concrete culvert over drain; chiseled square	583.94
Suelthaus Ford, 0.8 mi. W. of, near NW. cor. sec. 9, T. 42 N., R. 6 W., 57 ft. N. and 42 ft. E. from NE. corner of dwelling of H. J. Niebruegger, 17 ft. S. of rd., 10 ft. E. of fence corner, in concrete post; standard tablet stamped "12 J 1933 600"	600.269
Suelthaus Ford, 80 ft. S. of, near E. sixteenth cor. between secs. 4 and 9, T. 42 N., R. 6 W., 20 ft. S. and 10 ft. E. from T-rd. N., 25 ft. W. of mail box of H. J. Niebruegger, in root on N. side of 24-in. locust tree; copper nail and washer	587.77
Suelthaus Ford, 1 mi. SE. of, in SW 1/4 sec. 10, T. 42 N., R. 6 W., 75 ft. S. and 50 ft. E. from rd. fork SW., on slope of hill, in pasture, in root on W. side of 10-in. elm tree; copper nail and washer	609.76
Old Woollam, 1 mi. W. of, in SW 1/4 sec. 11, T. 42 N., R. 6 W., about 0.2 mi. NW. of dwelling of B. B. Suelthaus, 4 ft. N. and 28 ft. E. from N. corner of triangle formed by rd. forks, 5 ft. E. of E. gatepost to pasture, in concrete post; standard tablet stamped "13 J 1933 712"	711.786
Reference mark, 35 ft. S. of tablet, in 8-in. walnut tree; copper nail and washer	712.45
Old Woollam, 30 ft. S. of SW. corner of store of H. Borrenpohl, in root on E. side of 15-in. locust tree; copper nail and washer	762.11
Old Woollam, 1.1 mi. E. of, in SW 1/4 sec. 7, T. 42 N., R. 5 W., about 80 ft. SE. of farmhouse of J. H. Schalk, 15 ft. W. of NW. corner of barn, in root on E. side of 36-in. locust tree; copper nail and washer	689.54
Old Woollam, 1.8 mi. E. of, about 0.2 mi. W. of cor. secs. 7, 8, 17, and 18, T. 42 N., R. 5 W., 51 ft. S. and 41 ft. E. from junction of rd. E., 4 ft. SW. of telephone pole, in concrete post; standard tablet stamped "14 J 1933 702"	702.502
Old Woollam, 2.9 mi. E. of, in SE 1/4 sec. 8, T. 42 N., R. 5 W., 10 ft. N. of rd., in root on S. side of 12-in. oak tree; copper nail and washer	829.52

7. FROM OWENSVILLE SOUTHWEST ALONG STATE HIGHWAY 28 TO BLAND

Owensville, near W. limits of, on State Highway 28, 400 ft. E. of Chicago, Rock Island & Pacific Ry. at rd. crossing, 20 ft. N. of highway, on N. head wall of concrete culvert; chiseled square	952.07
Owensville, 1.7 mi. W. of, along State Highway 28, 100 ft. E. of highway milepost 77, 18 ft. N. of highway, on N. end of 24-in. concrete pipe culvert; chiseled square	979.26
Canaan, 1.6 mi. NE. of, along State Highway 28, 50 ft. W. of highway milepost 78, 60 ft. N. of highway, on SE. corner of S. head wall of Chicago, Rock Island & Pacific Ry. stone box culvert; chiseled square	980.66
Canaan, 1.3 mi. NE. of, along State Highway 28, in SE 1/4 sec. 1, T. 41 N., R. 6 W., 75 ft. N. and 490 ft. E. from private rd. in front of church, 30 ft. N. and 20 ft. W. from cross rd., 50 ft. E. of Chicago, Rock Island & Pacific Ry., 8 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T 1 B 1933 1000"	1,000.241
Reference mark, 60 ft. S. and 75 ft. E. from tablet, in N. side of transmission-line pole; nail	998.31
Canaan, 0.3 mi. E. of, along State Highway 28, 50 ft. W. of dwelling of Steven W. Lacy, 25 ft. N. of highway, in root on N. side of 14-in. poplar tree; copper nail and washer	1,060.11
Canaan, 12 ft. W. of NE. corner of store of J. P. Meyer, 20 ft. from State Highway 28, on concrete foundation of gasoline pump; chiseled square	1,046.89
Canaan, 1.1 mi. SW. of, along State Highway 28, 750 ft. E. of junction of rd. S., on top of S. head wall of concrete culvert; chiseled square	1,011.60
Canaan, 1.6 mi. SW. of, along State Highway 28, in SE 1/4 SW 1/4 sec. 10, T. 41 N., R. 6 W., 36 ft. S. of junction of rd. S., 2 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T 2 B 1933 1032"	1,032.098
Reference mark, 40 ft. W. of tablet, in root on S. side of 8-in. oak tree; copper nail and washer	1,029.18

Bland, 1.8 mi. E. of, along State Highway 28, 50 ft. E. of Chicago, Rock Island & Pacific Ry. milepole 98.15, 30 ft. S. of highway, on top of S. head wall of concrete culvert; chiseled square

Feet
1,026.30

8. IN NORTHEAST CORNER OF QUADRANGLE, EAST ALONG UNITED STATES HIGHWAY 50 TO EAST BORDER

Drake, 4.3 mi. NW. of, along U.S. Highway 50, at NW. corner of bridge over Second Creek, on concrete abutment; chiseled square 610.90
Drake, 3.1 mi. W. of, along U.S. Highway 50, about 100 ft. SE. of Neese School, 30 ft. N. of highway, in fence line, in root on SW. side of 24-in. oak tree; copper nail and washer 752.17

(Continued in Gerald quadrangle; see line 2.)

9. FROM POINT 1.4 MILES SOUTH OF BELLE, SOUTH ALONG STATE HIGHWAY 28 TO SOUTH BORDER OF QUADRANGLE

Belle, 2.1 mi. S. of, along State Highway 28, 110 ft. N. and 12 ft. W. from cross rd., on top of W. head wall of concrete culvert; chiseled square 951.76
Belle, 2.7 mi. S. of, along State Highway 28, at NW. corner of bridge over Dry Fork Creek, on concrete abutment; chiseled square 899.03

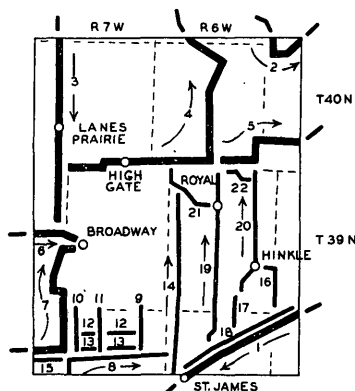
(Continued in Redbird quadrangle; see line 3.)

10. NEAR MIDDLE OF SOUTH BORDER OF QUADRANGLE (by G. L. Krattler and L. E. Grafft in 1934)
(Continued from Redbird quadrangle; see line 4.)

T. 41 N., R. 6 W., near center sec. 32, 44 ft. W. of junction of rds., in base of 18-in. oak tree; nail and washer 984.65

For an additional level line along Chicago, Rock Island & Pacific Ry., refer to United States Coast and Geodetic Survey second-order line, Eldon to Labadie.

REDBIRD QUADRANGLE
(Latitude 38°00'-38°15'; longitude 91°30'-91°45')
Crawford, Gasconade, Maries, and Phelps Counties



1. IN SOUTHEAST CORNER OF QUADRANGLE (first-order line by E. L. McNair in 1908)
(Continued from Sullivan No. 3 quadrangle; see line 1.)

Knobview (now Rosati), 90 ft. E. of St. Louis-San Francisco Ry. sta., about 45 ft. S. of track, 12 ft. E. of gate at rd. crossing, 2 ft. N. of right-of-way fence; iron post stamped "1084" 1,073.541
Knobview (now Rosati), in front of St. Louis-San Francisco Ry. sta.; top of rail 1,071.7

2. IN NORTHEAST CORNER OF QUADRANGLE (by L. V. Johnson in 1933)
(Continued from Bland quadrangle; see line 5.)

T. 40 N., R. 5 W., about 0.2 mi. S. of N. cor. secs. 5 and 6, 15 ft. S. and 20 ft. E. from T-rd. S., in root on NW. side of 36-in. oak tree; copper nail and washer 911.10

T. 41 N., R. 5 W., near S. quarter cor. sec. 32, 150 ft. N. of Island School, 30 ft. from rd., in root on NW. side of 20-in. oak tree; copper nail and washer	<u>Feet</u> 909.20
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(Continued in Sullivan No. 3 quadrangle; see line 5.)

3. SOUTH ALONG NORTH HALF OF WEST BORDER OF QUADRANGLE

(Continued from Bland quadrangle; see line 9.)

Lanes Prairie, about 3.9 mi. N. of, along State Highway 28, 300 ft. SW. of store and filling sta. of J. P. Matthews, 125 ft. N. of junction of rd. N., 30 ft. W. of highway, on head wall of concrete culvert; chiseled square	1,041.80
Lanes Prairie, 3.1 mi. N. of, along State Highway 28, cor. secs. 4, 5, 8, and 9, T. 40 N., R. 7 W., 20 ft. N. and 45 ft. W. from cross rd., 5 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 3 B 1933 1036"	1,036.674
Reference mark, at SW. corner of cross rd., on head wall of concrete culvert; chiseled square	1,034.23
Lanes Prairie, about 2.6 mi. N. of, along State Highway 28, 10 ft. S. and 30 ft. W. from junction of rd. W. to pipe line pumping sta., 1 ft. SE. of stop sign, on S. head wall of concrete culvert; chiseled square	1,053.71
Lanes Prairie, about 2.1 mi. N. of, along State Highway 28, 10 ft. S. and 30 ft. W. from junction of rd. W., on S. head wall of concrete culvert; chiseled square	1,075.61
Lanes Prairie, about 1 mi. N. of, along State Highway 28, 50 ft. N. and 40 ft. W. from junction of rd. E., in root on NE. side of 20-in. oak tree; copper nail and washer	1,077.86
Lanes Prairie, 70 ft. S. of stone at quarter cor. between secs. 20 and 29, T. 40 N., R. 7 W., 63 ft. W. of State Highway 28 at cross rd., 2 ft. N. and 3 ft. W. from fence corner, in yard of W. D. Woodruff, in concrete post; standard tablet stamped "T T 4 B 1933 1047"	1,047.236
Reference mark, about 20 ft. W. of tablet, on second concrete step of walk to dwelling; chiseled square	1,045.60
Lanes Prairie, 0.5 mi. W. of, 33 ft. N. and 36 ft. E. from crossroads, in root on SW. side of 12-in. wild-cherry tree; copper nail and washer	1,065.58
Lanes Prairie, 1.2 mi. SW. of, along former State Highway 28, 10 ft. N. and 12 ft. E. from junction of rd. E., on N. end of iron pipe culvert; chiseled and painted square	1,066.57
Lanes Prairie, 2 mi. S. of, along former State Highway 28, 140 ft. N. and 30 ft. E. from junction of rd. N., in root on W. side of 18-in. elm tree; copper nail and washer	1,083.21
Lanes Prairie, 2.5 mi. S. of, 0.2 mi. S. of N. quarter cor. sec. 6, T. 39 N., R. 7 W., 44 ft. N. and 27 ft. E. from T-rd. E., 2 ft. S. and 5 ft. E. from corner of garden of Sarah Walker, in concrete post; standard tablet stamped "T T 5 B 1933 1102"	1,102.550
Lanes Prairie, 4 mi. S. of, along former State Highway 28, 20 ft. N. and 30 ft. E. from junction of rd. W., 5 ft. E. of fence line, in root on W. side of 24-in. oak tree; copper nail and washer	1,122.51
Vichy, 3.5 mi. NE. of, on former State Highway 28, in SE 1/4 sec. 6, T. 39 N., R. 7 W., 48 ft. E. of highway, 45 ft. W. of SW. corner of Hickory Grove Church, in line with S. face, in concrete post; standard tablet stamped "T T 62 B 1932"	1,135.804
Reference mark, 50 ft. S. of tablet, in root on S. side of twin hickory tree; copper nail and washer	1,136.66

4. FROM POINT NEAR WEST BORDER OF QUADRANGLE, EAST THROUGH HIGH GATE TO COUNTY ROUTE B, THENCE NORTH TO NORTH BORDER (by G. L. Krattler and L. E. Grafft in 1934)

High Gate, 2.5 mi. SW. of, in NW 1/4 sec. 5, T. 39 N., R. 7 W., 20 ft. S. and 50 ft. E. from drain, in base of 7-in. cedar tree; nail and washer	1,071.62
High Gate, 1.9 mi. SW. of, 0.2 mi. S. and 0.2 mi. W. from NE. cor. sec. 5, T. 39 N., R. 7 W., 22 ft. N. and 40 ft. E. from T-rd. N., in concrete post; standard tablet stamped "T T 63 B 1932"	1,094.994
High Gate, 1.5 mi. SW. of, in NW 1/4 sec. 4, T. 39 N., R. 7 W., on N. head wall of concrete culvert; chiseled square	1,080.29
High Gate, 0.6 mi. W. of, in SE 1/4 sec. 34, T. 40 N., R. 7 W., 70 ft. S. and 15 ft. W. from T-rd. S., 45 ft. E. of dwelling, in base of 36-in. oak tree; nail and washer	1,086.78
High Gate, in SW 1/4 sec. 35, T. 40 N., R. 7 W., at SW. corner of High Gate Cemetery, on base of concrete corner post; chiseled square	1,084.52
High Gate, 0.7 mi. E. of, S. sixteenth cor. between secs. 35 and 36, T. 40 N., R. 7 W., at dim rd. fork SE., 13 ft. E. of fence corner, on boulder; chiseled square	1,055.19
High Gate, 1.7 mi. E. of, N. sixteenth cor. sec. 36, T. 40 N., R. 7 W., at crossroads, 33 ft. S. of rd. W., 20 ft. W. of rd. S., in concrete post; standard tablet stamped "T T 64 B 1932"	1,021.703
High Gate, 1.9 mi. E. of, in NE 1/4 sec. 36, T. 40 N., R. 7 W., 22 ft. S. and 20 ft. E. from T-rd. N., in base of 18-in. oak tree; nail and washer	1,024.57
High Gate, 2.2 mi. E. of, near N. sixteenth cor. between secs. 31 and 36, T. 40 N., R. 6 W., at crossroads, on Gasconade-Marles county line, 19 ft. E. of rd. S., 13 ft. N. of rd. E., in base of 36-in. oak tree; nail and washer	1,033.47
High Gate, 2.7 mi. E. of, center sec. 31, T. 40 N., R. 6 W., 20 ft. S. and 5 ft. E. from T-rd. N., in base of 16-in. hickory tree; nail and washer	960.64

	<u>Feet</u>
High Gate, 3.1 mi. E. of, near quarter cor. between secs. 31 and 32, T. 40 N., R. 6 W., at crossroads, 18 ft. W. of rd. N., 29 ft. S. of rd. E., in base of 12-in. black-oak tree; nail and washer	1,008.34
High Gate, 4 mi. E. of, center sec. 32, T. 40 N., R. 6 W., 205 ft. W. of T-rd. N., 27 ft. S. and 19 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 65 B 1932"	985.364
High Gate, 4 mi. E., thence 0.5 mi. S. from, in NW 1/4 sec. 6, T. 39 N., R. 6 W., 50 ft. S. of dim T-rd. W., 30 ft. W. of rd., in line with rd. N., 5 ft. inside wire fence; iron post stamped "997"	996.702
High Gate, 4.5 mi. E. of, near quarter cor. between secs. 32 and 33, T. 40 N., R. 6 W., 23 ft. N. and 28 ft. E. from rd. at fence S., in base of 24-in. white-oak tree; nail and washer	993.64
High Gate, 4.9 mi. E. of, in W 1/2 sec. 33, T. 40 N., R. 6 W., 26 ft. N. and 39 ft. W. from dim T-rd. S., 36 ft. W. of fence line S., in base of 36-in. white-oak tree; nail and washer	980.02
High Gate, 5.2 mi. E. of, in E 1/2 sec. 33, T. 40 N., R. 6 W., 27 ft. N. and 33 ft. E. from dim T-rd. S., 20 ft. E. of fence line N., in base of 28-in. white-oak tree; copper nail and washer	954.31
High Gate, 6 mi. E. of, in N 1/2 sec. 34, T. 40 N., R. 6 W., 95 ft. W. of County Route B, 22 ft. S. of rd. W., in base of 14-in. oak tree; nail and washer	889.13
High Gate, 6 mi. E., thence 0.3 mi. N. from, on County Route B, quarter cor. between secs. 27 and 34, T. 40 N., R. 6 W., 30 ft. N. and 20 ft. W. from junction of rd. W., in base of 16-in. elm tree; nail and washer	874.70
High Gate, 6 mi. E., thence 0.8 mi. N. from, along County Route B, center sec. 27, T. 40 N., R. 6 W., 60 ft. N. and 31 ft. W. from junction of rd. W., in base of 18-in. oak tree; nail and washer	856.98
Redbird, 0.6 mi. W. of, quarter cor. between secs. 22 and 27, T. 40 N., R. 6 W., 94 ft. N. and 25 ft. W. from County Route B at cross rd., in SE. corner of yard of Eliza Scaltin, in base of 12-in. cedar tree; nail and washer	928.36
Redbird, 0.6 mi. W., thence 0.6 mi. N. from, along County Route B, in W 1/2 sec. 22, T. 40 N., R. 6 W., 53 ft. S. of highway at rd. N., on N. edge of boulder; chiseled mark	893.53
Redbird, 0.6 mi. W., thence 1.1 mi. N. from, along County Route B, in NW 1/4 sec. 22, T. 40 N., R. 6 W., 150 ft. N. of ford across Reisobel Branch, 33 ft. E. of branch, 30 ft. W. of junction of rd. W., in base of 33-in. elm tree; nail and washer	803.53
Redbird, 0.6 mi. W., thence 1.7 mi. N. from, along County Route B, in SE 1/4 sec. 16, T. 40 N., R. 6 W., 36 ft. S. and 15 ft. W. from junction of rd. W., in base of 51-in. post-oak tree; nail and washer	896.62
Redbird, 0.6 mi. W., thence 2 mi. N. from, along County Route B, near E. sixteenth cor. sec. 16, T. 40 N., R. 6 W., 15 ft. E. of junction of rd. W., inside of N-S. fence, in Baxter pasture, in concrete post; standard tablet	858.906
Redbird, 0.6 mi. W., thence 2.7 mi. N. from, along County Route B, in SE 1/4 sec. 9, T. 40 N., R. 6 W., at NW. corner of Methodist Cemetery, in base of 24-in. blackjack-oak tree; copper nail and washer	955.07
Redbird, 0.6 mi. W., thence 3.1 mi. N. from, along County Route B, in E 1/2 sec. 9, T. 40 N., R. 6 W., 65 ft. N. and 28 ft. W. from junction of rd. W., in base of 22-in. post-oak tree; nail and washer	934.32
Redbird, 0.6 mi. W., thence 3.4 mi. N. from, along County Route B, in NE 1/4 sec. 9, T. 40 N., R. 6 W., 17 ft. S. and 115 ft. E. from junction of rd. E., in base of 22-in. blackjack-oak tree; nail and washer	928.02
Redbird, 0.6 mi. W., thence 3.6 mi. N. from, along County Route B, in NE 1/4 sec. 9, T. 40 N., R. 6 W., 25 ft. S. and 70 ft. W. from junction of rd. NW., in base of 10-in. oak tree; nail and washer	923.62
Redbird, 0.6 mi. W., thence 4.7 mi. N. from, along County Route B, in W 1/2 sec. 4, T. 40 N., R. 6 W., 160 ft. NW. of junction of dim rd. W., 35 ft. W. of highway, in base of 8-in. post-oak tree; nail and washer	990.70
Redbird, 0.6 mi. W., thence 6.2 mi. N. from, along County Route B, near S. sixteenth cor. sec. 32, T. 41 N., R. 6 W., 34 ft. S. and 64 ft. W. from cross rd., in concrete post; standard tablet	1,005.665

(Continued in Bland quadrangle; see line 10.)

5. FROM CENTER OF NORTHEAST QUARTER OF QUADRANGLE, EAST TO EAST BORDER

High Gate, 6.9 mi. E. of, in W 1/2 sec. 35, T. 40 N., R. 6 W., 21 ft. S. and 9 ft. W. from junction of dim rd., in base of 21-in. blackjack-oak tree; nail and washer	918.94
High Gate, 7.8 mi. E. of, in NE 1/4 sec. 35, T. 40 N., R. 6 W., 24 ft. N. of junction of rd. E., 51 ft. E. of rd. N., opposite dwelling of T. F. Bowen, 2 ft. S. of barnyard fence, in concrete post; standard tablet stamped "T T 66 B 1932"	860.987
High Gate, 8.4 mi. E. of, in N 1/2 sec. 36, T. 40 N., R. 6 W., 21 ft. SE., thence 24 ft. SW. from dim T-rd. N., in base of 24-in. elm tree; nail and washer	802.82
High Gate, 8.9 mi. E. of, S. sixteenth cor. sec. 25, T. 40 N., R. 6 W., 28 ft. S. and 118 ft. E. from T-rd. E., in base of 22-in. oak tree; nail and washer	888.58
High Gate, 9.8 mi. E. of, near S. sixteenth cor. sec. 30, T. 40 N., R. 5 W., 184 ft. W. along rd. from dwelling of J. M. Spurgeon, 43 ft. S. of rd., in field, in base of 20-in. hickory tree; nail and washer	908.51

Jake Prairie, 1 mi. N. of, W. sixteenth cor. sec. 29, T. 40 N., R. 5 W., 43 ft. N. and 10 ft. W. from T-rd. S., 55 ft. SW. of Jake Prairie School, in concrete post; standard tablet stamped "T 67 B 1932"	<u>Feet</u> 961.413
Jake Prairie School, about 0.7 mi. E. of, near E. quarter cor. sec. 29, T. 40 N., R. 5 W., 21 ft. N. and 55 ft. W. from rd. fork SW., in base of 24-in. oak tree; nail and washer	986.68

(Continued in Sullivan No. 3 quadrangle; see line 9.)

6. NEAR MIDDLE OF WEST BORDER OF QUADRANGLE (by J. M. Lawson in 1934)

(Continued from Vienna quadrangle; see line 7.)

Vichy, 0.5 mi. N., thence 1 mi. E. from, along State Highway 68, 500 ft. W. of cross rd., 25 ft. S. and 35 ft. E. from junction of rd. N., in root on N. side of 14-in. oak tree; copper nail and washer	1,146.25
Vichy, 2.3 mi. NE. of, on State Highway 68, 50 ft. N. and 140 ft. W. from junction of old State Highway 28 N., in root on SW. side of N. one of two hickory trees; copper nail and washer	995.79
Broadway, on State Highway 68, at NW. corner of concrete bridge over Little Bourbeuse Creek, in sandstone ledge; standard tablet	922.829

7. NORTH ALONG SOUTH HALF OF WEST BORDER OF QUADRANGLE (by J. A. Road in 1934)

(Continued from Vienna quadrangle; see line 8.)

Macedonia Church, 1.8 mi. E. of, W. cor. secs. 7 and 18, T. 38 N., R. 7 W., 15 ft. N. and 20 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T 13 B 1932"	1,119.844
T. 38 N., R. 7 W., cor. secs. 7, 8, 17, and 18, at NE. corner of crossroads, in root of 10-in. oak tree; copper nail and washer	1,127.92
T. 38 N., R. 7 W., near quarter cor. between secs. 7 and 8, in front of Union School, on SW. corner of concrete well curb; chiseled square	1,166.81
T. 38 N., R. 7 W., on line between secs. 7 and 8, on top of E. head wall of concrete culvert; chiseled square	1,069.35
T. 38 N., R. 7 W., about 15 ft. W. of N. cor. secs. 5 and 6, on Maries-Phelps county line, on W. side of abandoned rd.; iron post stamped "995"	994.216
Light, center sec. 31, T. 39 N., R. 7 W., about 200 ft. N. of store building, in root of 12-in. oak tree; copper nail and washer	1,076.98
T. 39 N., R. 7 W., in S 1/2 sec. 30, at SW. corner of crossroads, on head wall of concrete culvert; chiseled square	1,081.27
T. 39 N., R. 7 W., in N 1/2 sec. 30, at junction of rds. W. and SW., on N. head wall of concrete culvert; painted square	1,066.93
T. 39 N., R. 7 W., in S 1/2 sec. 19, about 175 ft. S. of dwelling of Leslie Hayes, on W. side of rd., in root of twin oak tree; copper nail and washer	1,031.32
T. 39 N., R. 7 W., in NE 1/4 sec. 19, about 0.2 mi. S. of ford across Bailey Creek, in front of dwelling of J. N. Moreland, on E. head wall of concrete culvert; chiseled square	948.29
Bailey Creek, at ford; surface of water at 11:30 a.m. Aug. 22, 1934	932.3
T. 39 N., R. 7 W., center of E 1/2 sec. 18, in NE. corner of crossroads, on head wall of concrete culvert; iron pipe	1,004.84

8. EAST ALONG WEST HALF OF SOUTH BORDER OF QUADRANGLE (fourth-order leveling by Missouri School of Mines Vocational Training Students in 1921-23)

T. 38 N., R. 7 W., on line between secs. 19 and 20, E. of rd., in root of 6-in. black-jack-oak tree; nail	1,179.00
T. 38 N., R. 7 W., cor. secs. 17, 18, 19, and 20, in NE. corner of crossroads, in SW. corner of field of A. D. Walton, in 8- by 13- by 30-in. sandstone; aluminum tablet stamped "Prim Trav Sta No 1 1908 Mo 1174"	1,173.730
T. 38 N., R. 7 W., near quarter cor. between secs. 17 and 20, 1 ft. S. of telephone pole, N. of rd., opposite mail box of H. S. Stokes, flush with ground; top of iron rod	1,130.25
T. 38 N., R. 7 W., near quarter cor. between secs. 16 and 21, 50 ft. SW. of dwelling of G. Tullis, in root of 14-in. black-oak tree; copper nail and washer	1,098.86
T. 38 N., R. 7 W., near cor. secs. 15, 16, 21, and 22, near junction of Dillon and Parker Lane rds., 40 ft. NE. of old building, in root on E. side of 10-in. black-oak tree; nail	1,076.64
T. 38 N., R. 7 W., in SW 1/4 sec. 15, 250 ft. W. of dwelling of J. Hucklebridge, 54 ft. N. of rd. to St. James, on rock; chiseled square	1,135.47
T. 38 N., R. 7 W., in SW 1/4 sec. 14, 30 ft. N. of dwelling of Will Dillon, 2 ft. N. of yard gate, in root of 14-in. post-oak tree; copper nail and washer	1,024.57
T. 38 N., R. 7 W., in SW 1/4 sec. 14, 100 ft. N. of dwelling of C. Magnin, on E. side of gate, in root of 14-in. post-oak tree; copper nail and washer	987.01
T. 38 N., R. 7 W., in SE 1/4 sec. 14, 125 ft. E. of dwelling of W. T. Geisner, on N. side of rd., on top of culvert; chiseled square	978.99
T. 38 N., R. 7 W., cor. secs. 13, 14, 23, and 24, 0.5 mi. N., thence 1.7 mi. W. from St. James, on Parker Lane rd., 100 ft. SE. of dwelling of E. T. Jones, at NW. corner of crossroads; iron post stamped "Prim Trav Sta No 1 J B L 1920 Mo 1006"	1,005.295
T. 38 N., R. 7 W., near W. sixteenth cor. between secs. 13 and 24, in N. head wall of culvert; horseshoe	1,011.03

T. 38 N., R. 7 W., in SE. cor. sec. 13, on Parker Lane rd., near dwelling of H. B. Linenberger, on N. side of rd., in root of 12-in. blackjack-oak tree; copper nail and washer	<u>Feet</u> 1,114.06
T. 38 N., R. 6 W., on line between secs. 18 and 19, at junction of Parker Lane and old Jefferson City rds., on top of N. head wall of concrete culvert; chiseled square	1,077.96

9. FROM POINT NEAR MIDDLE OF SOUTH BORDER OF QUADRANGLE, NORTH ABOUT 1/4 MILES

T. 38 N., R. 7 W., near quarter cor. between secs. 13 and 14, 125 ft. E. of dwelling, E. of rd., 7 ft. E. of fence, in root of 14-in. post-oak tree; copper nail and washer	1,015.62
T. 38 N., R. 7 W., cor. secs. 11, 12, 13, and 14, at NW. corner of cross-roads, on top of concrete culvert; chiseled square	922.55
T. 38 N., R. 7 W., near quarter cor. between secs. 11 and 12, 75 ft. SW. of Matlock School, W. of rd., in root of 12-in. post-oak tree; copper nail and washer	928.49
T. 38 N., R. 7 W., cor. secs. 1, 2, 11, and 12, 300 ft. W. of State Highway 68 at Cregg rd., 30 ft. S. of junction of rd. S., on top of E. head wall of concrete culvert; chiseled square	934.50
T. 38 N., R. 7 W., in E 1/2 sec. 2, 40 ft. S. of State Highway 68 at cross rd., on top of W. head wall of concrete; chiseled square	1,022.37
Tps. 38 and 39 N., R. 7 W., on line between secs. 2 and 35, SW. of old Jefferson City rd. (State Highway 68) at cross rd., on Maries-Phelps county line, in top of sandstone boulder; standard tablet stamped "983"	983.710

10. FROM POINT NEAR SOUTHWEST CORNER OF QUADRANGLE, NORTH ABOUT 3 MILES

T. 38 N., R. 7 W., on line between secs. 17 and 18, at stream, on top of W. head wall of concrete culvert; chiseled square	1,132.75
T. 38 N., R. 7 W., quarter cor. between secs. 5 and 6, near T-rd. E., opposite dwelling of Tom C. Atkins, E. of rd., in root of 12-in. hickory tree; copper nail and washer	1,029.44

11. FROM POINT NEAR MIDDLE OF WEST HALF OF SOUTH BORDER OF QUADRANGLE, NORTH ABOUT 3 MILES

T. 38 N., R. 7 W., on line between secs. 15 and 16, 100 ft. N. of dwelling of Frank Perrott, Jr., at NE. corner of turn in Parker Lane rd. from S.-E. at private rd. N., in root of 14-in. black-oak tree; copper nail and washer	1,111.69
T. 38 N., R. 7 W., cor. secs. 9, 10, 15, and 16, 60 ft. E. of T-rd. N., 80 ft. S. of dwelling of J. W. Lorth, 30 ft. SE. of mineral well, on top of N. head wall of concrete culvert; chiseled square	1,003.95
T. 38 N., R. 7 W., on line between secs. 9 and 16, 200 ft. E. of T-rd. N., 100 ft. N. of dwelling of George T. Cox, at private driveway, in concrete culvert; standard tablet stamped "1034"	1,032.712
T. 38 N., R. 7 W., line between secs. 3 and 4, W. of T-rd. E., about 0.2 mi. S. of Maries-Phelps county line, 300 ft. W. of Montgomery dwelling, in 6- by 18- by 24-in. limestone rock flush with ground; standard tablet stamped "P T S No 2 L S 1921 1014"	1,012.785

12. IN SOUTHWEST PART OF QUADRANGLE

Top of hill; surface of rd.	1,112.4
T. 38 N., R. 7 W., near W. sixteenth cor. between secs. 4 and 9, at top of hill, S. of Cregg rd., in base of 8-in. post-oak tree; copper nail and washer	1,137.16
T. 38 N., R. 7 W., cor. secs. 3, 4, 9, and 10, 100 ft. W. of dwelling of H. B. Clapp, in SE. corner of Cregg rd. at cross rd., in root of 8-in. blackjack-oak tree; copper nail and washer	1,060.94
T. 38 N., R. 7 W., on line between secs. 3 and 10, on Cregg rd., 200 ft. W. of dwelling of W. T. Cox, on top of S. head wall of concrete culvert; chiseled square	1,041.22

13. IN SOUTHWEST PART OF QUADRANGLE

T. 38 N., R. 7 W., near W. sixteenth cor. between secs. 10 and 15, at SE. corner of T-rd. S. at Cox Branch; top of sandstone boulder (corner broken off)	974.50
T. 38 N., R. 7 W., line between secs. 10 and 15, at top of hill, S. of rd., opposite old settlement, in root of 12-in. black-oak tree; copper nail and washer	1,016.29
T. 38 N., R. 7 W., cor. secs. 10, 11, 14, and 15, 30 ft. S. of T-rd. N., in root of 12-in. black-oak tree; copper nail and washer	1,020.46
T. 38 N., R. 7 W., near quarter cor. between secs. 11 and 14, about 0.2 mi. W. of dwelling of J. M. Coppedge, in SW. corner of T-rd. S., in root of 12-in. post-oak tree; copper nail and washer	991.37

14. FROM ST. JAMES NORTH ABOUT 10 MILES

	<u>Feet</u>
T. 38 N., R. 6 W., in NW 1/4 sec. 18, S. of Jefferson City rd. (State Highway 68) at Republic rd., in base of 10-in. blackjack-oak tree; copper nail and washer	1,092.22
T. 38 N., R. 6 W., in SE 1/4 sec. 7, on Republic rd.; top of W. end of sandstone slab culvert	1,033.87
T. 38 N., R. 6 W., in SE 1/4 sec. 6, E. of Republic rd., near Kennedy mail box, in base of 10-in. post-oak tree; nail	923.09
T. 38 N., R. 6 W., in NE 1/4 sec. 6, on Republic rd., on W. bank of Robinson Creek, in root of 24-in. white-oak tree; copper nail and washer	917.12
T. 39 N., R. 6 W., W. sixteenth cor. on S. line sec. 32, 300 ft. S. of cabin, W. of Republic rd., at fence corner, on sandstone boulder; chiseled cross	1,021.91
T. 39 N., R. 6 W., in W 1/2 sec. 32, at N. end of ridge, 30 ft. W. of Republic rd., on top of sandstone boulder; chiseled square	1,038.93
T. 39 N., R. 6 W., in NW 1/4 sec. 32, on Republic rd., at foot of hill, on top of W. head wall of concrete culvert; chiseled square	933.83
Republic rd. at rd. W.; surface of rd.	975.5
T. 39 N., R. 6 W., in NW 1/4 sec. 29, 400 ft. N. of Fairview Cemetery, E. of Republic rd., at rail fence corner, on top of sandstone boulder; chiseled square	1,058.58
T. 39 N., R. 6 W., 60 ft. SE. of W. sixteenth cor. between secs. 20 and 29, 25 ft. W. of Miles School, in top of concrete well curb; standard tablet	1,059.029
T. 39 N., R. 6 W., quarter cor. between secs. 19 and 20, at top of hill, E. of Republic rd., 150 ft. SE. of dwelling of W. L. Martin, in base of 12-in. post-oak tree; copper nail and washer	1,023.35
T. 39 N., R. 6 W., cor. secs. 17, 18, 19, and 20, at SE. corner of Republic rd. at dim cross rd., on sandstone boulder; chiseled square	923.74
T. 39 N., R. 6 W., N. sixteenth cor. between secs. 17 and 18, 600 ft. W. of farmhouse, E. of Republic rd., in base of 15-in. walnut tree; copper nail and washer	873.05
T. 39 N., R. 6 W., in SE 1/4 SE 1/4 sec. 7, on E. bank of Big Bourbeuse Creek, 100 ft. S. of ford, in base of 30-in. sycamore tree; copper nail and washer	839.48
Ford across Big Bourbeuse Creek; surface of rd.	833.5
T. 39 N., R. 6 W., in NE 1/4 sec. 7, 400 ft. SW. of Wash School, 300 ft. SE. of dwelling of J. W. Crossner, W. of Republic rd., 8 ft. W. of mail boxes, in root of 14-in. hickory tree; copper nail and washer	947.07
T. 39 N., R. 6 W., near W. quarter cor. sec. 5, S. of ford across Little Bourbeuse Creek, W. of Republic rd., in base of 10-in. hickory tree; copper nail and washer	835.39
T. 39 N., R. 6 W., in NW 1/4 sec. 5, 200 ft. W. of dwelling of Austin E. Breuer, W. of Republic rd. at rd. E., 2 ft. from fence, in base of 10-in. post-oak tree; copper nail and washer	928.01
T. 39 N., R. 6 W., in NW 1/4 sec. 5, at Harrison School, on top of N. concrete doorstep; chiseled square	965.13
T. 39 N., R. 6 W., in NW 1/4 sec. 5, SW. corner of Republic rd. at private rd. W., in base of blazed 16-in. black-oak tree; bent nail	959.05

15. IN SOUTHWEST CORNER OF QUADRANGLE

T. 38 N., R. 7 W., line between secs. 7 and 18, 60 ft. E. of Lanes Fork, S. of Spring Creek-St. James rd., in root of 16-in. red-oak tree; copper nail and washer	1,059.03
T. 38 N., R. 7 W., W. cor. secs. 7 and 18, 30 ft. N. of T-rd. E., W. of N.-S. rd., in base of 14-in. post-oak tree; nail	1,120.11
T. 38 N., R. 7 W., near W. quarter cor. sec. 7, 500 ft. W. of dwelling of George Haven, E. of rd. fork SW., in base of 10-in. blackjack-oak tree; copper nail and washer	1,102.28

(Continued in Vienna quadrangle; see line 9.)

16. IN SOUTHEAST PART OF QUADRANGLE, FROM ROSATI NORTH AND WEST TO POINT NEAR HINKLE

T. 38 N., Rs. 5 and 6 W., on line between secs. 7 and 12, on St. Louis-San Francisco Ry. at Crawford-Phelps county line; top of SW. corner of concrete base of semaphore	1,081.03
T. 38 N., R. 6 W., in SE 1/4 sec. 1, 75 ft. N. of Cucarolo dwelling, W. of rd., in fence line, in base of 12-in. locust tree; copper nail and washer	1,070.98
T. 39 N., Rs. 5 and 6 W., on line between secs. 31 and 36, W. of rd. on Crawford-Phelps county line, 100 ft. S. of drain, in base of 20-in. white-oak tree; copper nail and washer	1,063.92
Top of hill, at mail box on E. side of rd.; surface of rd.	1,087.2
T. 39 N., Rs. 5 and 6 W., on line between secs. 31 and 36, on Crawford-Phelps county line, 350 ft. NW. of farmhouse, 15 ft. NW. of fence corner, in rd.; top of rock	1,012.37
T. 39 N., Rs. 5 and 6 W., on line between secs. 25 and 30, on Crawford-Phelps county line, at top of hill, W. of rd., in old field; top of boulder	1,039.82
T. 39 N., R. 5 W., W. cor. secs. 19 and 30, on Crawford-Phelps county line, 75 ft. S. of rd. corner from S.-E., E. of T-rd. W. of Hinkle; top of sandstone boulder	994.08
T. 39 N., R. 6 W., cor. secs. 23, 24, 25, and 26, 10 ft. S. of Tribby rd. at dim cross rd.; top of sandstone boulder	949.60
Tribby rd. at private rd. N.; surface of rd.	949.4

17. IN SOUTHEAST PART OF QUADRANGLE, FROM POINT NEAR FRIENDSHIP SCHOOL NORTH ABOUT 3 MILES

	Feet
Friendship School, 0.5 mi. N. of, cor. secs. 2, 3, 10, and 11, T. 38 N., R. 6 W., E. of T-rd. W., in root of 8-in. black-oak tree; copper nail and washer	1,017.81
T. 38 N., R. 6 W., in NW. cor. sec. 2, in NW. corner of bridge over Clear Creek; copper nail and washer	951.04
T. 39 N., R. 6 W., on line between secs. 34 and 35, E. of rd., on rock ledge; chiseled triangle	945.06

18. IN SOUTHEAST PART OF QUADRANGLE, FROM POINT NEAR ST. JAMES NORTHEAST TO POINT NEAR ROSATI

St. James, about 0.5 mi. E. of, along Ozark Highway (Cuba-St. James rd.), 500 ft. W. of corner in highway from W.-N., 50 ft. N. of St. Louis-San Francisco Ry., on top of N. head wall of concrete culvert; chiseled square	1,064.88
T. 38 N., R. 6 W., E. sixteenth cor. sec. 17, 400 ft. S. of junction of Ozark Highway (Cuba-St. James rd.) and Redbird rd., 300 ft. W. of dwelling of Dr. E. A. Scott, W. of rd., in root of 10-in. elm tree; copper nail and washer	1,074.17
T. 38 N., R. 6 W., in NW 1/4 sec. 16, N. of Ozark Highway (Cuba-St. James rd.), in base of 12-in. post-oak tree; copper nail and washer	1,062.18
Ozark Highway (Cuba-St. James rd.) at top of hill; surface of rd.	1,054.0
T. 38 N., R. 6 W., in SW 1/4 sec. 10, on Ozark Highway (Cuba-St. James rd.), on top of N. head wall of concrete culvert; chiseled square	1,009.58
T. 38 N., R. 6 W., in SW 1/4 sec. 10, on Ozark Highway (Cuba-St. James rd.), at junction of rd. N. to Hinkle, at E. end of iron pipe culvert, on top of rock; chiseled triangle	1,018.46
T. 38 N., R. 6 W., near center sec. 10, on Ozark Highway (Cuba-St. James rd.), 600 ft. W. of Gerber's store, on top of N. head wall of concrete culvert; chiseled triangle	1,061.59
T. 38 N., R. 6 W., quarter cor. between secs. 10 and 11, 30 ft. N. and 30 ft. E. from Ozark Highway (Cuba-St. James rd.) at rd. N., 50 ft. SW. of Friendship School, 10 ft. from fence corner; iron post stamped "1083"	1,083.009
Reference mark, on top of SW. corner of concrete porch of schoolhouse; chiseled triangle	1,082.95
T. 38 N., R. 6 W., in NE 1/4 sec. 11, on Ozark Highway (Cuba-St. James rd.), on top of S. head wall of concrete culvert; chiseled square	1,041.82
T. 38 N., R. 6 W., in SW 1/4 sec. 1, on Ozark Highway (Cuba-St. James rd.), on top of N. head wall of concrete culvert; chiseled square	1,027.92
T. 38 N., Rs. 5 and 6 W., near S. sixteenth cor. between secs. 1 and 6, at SW. corner of Ozark Highway (Cuba-St. James rd.) at cross rd., on Crawford-Phelps county line, in base of 14-in. hickory tree; copper nail and washer	1,098.41

19. FROM POINT ABOUT 2 MILES NORTHEAST OF ST. JAMES NORTH ABOUT 10 MILES

T. 38 N., R. 6 W., in SE 1/4 sec. 8, 75 ft. E. of dwelling of N. E. Johnson, E. of Redbird rd., 20 ft. from fence, in root of 12-in. hickory tree; copper nail and washer	1,068.81
T. 38 N., R. 6 W., E. sixteenth cor. sec. 8, 30 ft. S. of Redbird rd. at corner from S.-E., on top of W. head wall of sandstone culvert; chiseled square	1,029.08
Britton's store, Redbird rd. at rd. N.; surface of rd.	1,038.8
T. 38 N., R. 6 W., line between secs. 8 and 9, County Route B (Redbird rd.) at rd. N., in base of 10-in. post-oak tree; copper nail and washer	1,022.73
T. 38 N., R. 6 W., line between secs. 4 and 9, SE. corner of Redbird rd. at dim cross rd., in base of 10-in. post-oak tree; copper nail and washer	1,015.96
T. 38 N., R. 6 W., in NE 1/4 sec. 4, W. of Redbird rd. at dim cross rd., on top of S. head wall of tile culvert; chiseled square	1,024.95
T. 39 N., R. 6 W., in E 1/2 sec. 33, SE. of County Route B (Redbird rd.) at rd. NE. to Jake Prairie, 300 ft. S. of dwelling of F. Berries, in root of 14-in. post-oak tree; copper nail and washer	1,042.29
T. 39 N., R. 6 W., in NE 1/4 sec. 33, in NW. corner of County Route B (Redbird rd.) at rd. W., in base of 12-in. white-oak tree; copper nail and washer	1,035.41
T. 39 N., R. 6 W., in E 1/2 sec. 28, W. of Redbird rd., 50 ft. E. of Eikman dwelling, at gate, on top of sandstone boulder; chiseled square	995.55
T. 39 N., R. 6 W., in SE 1/4 sec. 21, on top of hill, W. of County Route B (Redbird rd.), 40 ft. SE. of dwelling of N. D. Putnam, 5 ft. from yard fence, in root of 12-in. walnut tree; copper nail and washer	967.28
T. 39 N., R. 6 W., in NE 1/4 sec. 21, on Redbird rd.; top of sandstone boulder	974.49
T. 39 N., R. 6 W., in NE 1/4 sec. 21, on side of Redbird rd., in root of 18-in. black-oak tree; copper nail and washer	894.15
T. 39 N., R. 6 W., in E 1/2 sec. 9, W. of County Route B (Redbird rd.) at rd. NW., in base of 24-in. black-oak tree; copper nail and washer	982.48
T. 39 N., R. 6 W., in SW 1/4 sec. 3, E. of County Route B (Redbird rd.), in root of 30-in. white-oak tree; copper nail and washer	984.47
Royal, on County Route B (Redbird rd.), on line between secs. 3 and 4, T. 39 N., R. 6 W., in N. end of concrete porch of Steen's store; standard tablet stamped "961"	959.891
T. 39 N., R. 6 W., on line between secs. 3 and 4, 200 ft. NW. of Huntsman dwelling, E. of Redbird rd., in root of 16-in. red-oak tree; copper nail and washer	935.22

T. 39 N., R. 6 W., in NE 1/4 sec. 4, 125 ft. SW. of ford across Big Bourbeuse Creek, on S. bank of creek, 30 ft. W. of Redbird rd., in base of leaning 12-in. elm tree; nail	<u>Feet</u> 811.27
Redbird, about 0.6 mi. W., thence 2 mi. S. from, along County Route B (Redbird, rd.), N. cor. secs. 3 and 4, T. 39 N., R. 6 W., 25 ft. W. of highway at Gasconade-Phelps county line, 100 ft. SW. of barn, 4 ft. from fence; iron post stamped "866"	865.582

20. FROM POINT 2 MILES SOUTHWEST OF HINKLE NORTHEAST TO HINKLE,
THENCE NORTH ABOUT 5 MILES

T. 39 N., R. 6 W., in E 1/2 sec. 33, N. of County Route B (Redbird rd.) at rd. NE. to Jake Prairie, 230 ft. S. of dwelling of F. Berries, 5 ft. S. of fence, opposite E. end of gate; iron post stamped "1042"	1,041.402
T. 39 N., R. 6 W., on line between secs. 27 and 34, 100 ft. E. of dwelling of H. Eikman, E. of Jake Prairie rd., in base of 14-in. post-oak tree; copper nail and washer	963.85
T. 39 N., R. 6 W., in NE 1/4 SE 1/4 sec. 27, in SE. corner of turn in Jake Prairie rd. from W.-N., 50 ft. E. of ford across Clear Creek, in fence line, in base of 20-in. hickory tree; copper nail and washer	915.37
T. 39 N., R. 6 W., in NW 1/4 sec. 26, at SE. corner of Jake Prairie rd. at rd. SE. to Friendship School, in base of 15-in. white-oak tree; copper nail and washer	1,000.87
T. 39 N., R. 6 W., line between secs. 23 and 26, 30 ft. N. of junction of rd. E. to Tribby, E. of Jake Prairie rd., in base of 8-in. walnut tree; copper nail and washer	920.79
Hinkle, 40 ft. SE. of store and post office; 800 ft. N. of Collins School, 40 ft. W. of intersection of tangents of Jake Prairie rd. from S.-NE.; iron post stamped "1039"	1,038.198
T. 39 N., R. 6 W., 350 ft. N. of cor. secs. 13, 14, 23, and 24, on W. side of Jake Prairie rd. opposite private rd. E. to dwelling, in base of 16-in. blackjack-oak tree; copper nail and washer	984.24
T. 39 N., R. 6 W., on line between secs. 13 and 14, SE. corner of Jake Prairie rd. at rd. E., in base of 10-in. post-oak tree; copper nail and washer	1,057.15
T. 39 N., R. 6 W., on line between secs. 11 and 12, at top of hill, E. of Jake Prairie rd., 125 ft. SE. of farmhouse, in root of 10-in. blackjack-oak tree; copper nail and washer	1,086.23
T. 39 N., R. 6 W., near cor. secs. 1, 2, 11, and 12, 200 ft. N. of Jake Prairie rd. at dim rd. W., 200 ft. W. of farmhouse, in fence corner, in base of 14-in. red-oak tree; copper nail and washer	998.68 966.4
Junction of rd. E. and private rd. W. through gate; surface of rd.	
T. 39 N., R. 6 W., on line between secs. 1 and 2, 125 ft. W. of Oak Grove School, E. of Jake Prairie rd., in root of 14-in. hickory tree; copper nail and washer	899.49
T. 39 N., R. 6 W., N. cor. secs. 1 and 2, NE. corner of Jake Prairie rd. at private rd. W., 10 ft. N. of Gasconade-Phelps county line, 60 ft. SW. of Sewell dwelling; iron post stamped "942"	941.881

21. IN EAST HALF OF QUADRANGLE, FROM ROYAL WEST ABOUT 2.5 MILES

T. 39 N., R. 6 W., in SE 1/4 sec. 4, at foot of hill, on N. side of private rd. SW. to farmhouse, in base of twin white-oak tree; copper nail and washer	862.34 812.3
Ford across Big Bourbeuse Creek; surface of rd.	
T. 39 N., R. 6 W., line between secs. 4 and 5, 700 ft. W. of ford across Big Bourbeuse Creek, on N. side of rd., 600 ft. E. of dwelling of S. T. Mitchell, in root of 20-in. white-oak tree; copper nail and washer	831.06
T. 39 N., R. 6 W., in N 1/2 sec. 5, S. side of rd. at T-rd. S., in base of 12-in. white-oak tree; copper nail and washer	923.97

22. FROM POINT ABOUT 3 MILES NORTHEAST OF ROYAL WEST 2 MILES

T. 39 N., R. 6 W., on line between secs. 1 and 2, 50 ft. S. of Jake Prairie rd. at rd. E., 20 ft. N. of rd. W., on W. side of rd., in base of 10-in. post-oak tree; copper nail and washer	969.12
T. 39 N., R. 6 W., in N 1/2 sec. 2, 800 ft. NE. of Oak Grove Church, 800 ft. W. of dwelling of J. E. Copeland, on N. side of rd., in bottom of branch, in root of 24-in. sycamore tree; copper nail and washer	833.53
T. 39 N., R. 6 W., on line between secs. 2 and 3, 30 ft. W. of T-rd. S.; top of N. head wall of concrete culvert	895.28
T. 39 N., R. 6 W., in N 1/2 sec. 3, 300 ft. SW. of Spurgeon dwelling, on N. side of rd., in root of twin walnut tree; copper nail and washer	863.34
Royal, about 1.1 mi. N. of, along County Route B (Redbird rd.), about 0.2 mi. S. of ford across Big Bourbeuse Creek, 50 ft. S. of junction of rd. E., E. of highway, in base of 14-in. red-oak tree; copper nail and washer	874.49

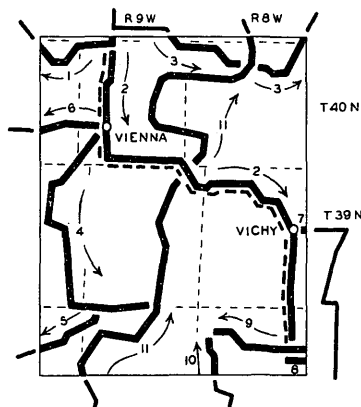
23. IN SOUTH HALF OF QUADRANGLE, FROM MILES SCHOOL EAST 2 MILES

T. 39 N., R. 6 W., on line between secs. 20 and 29, on Republic rd., SE. of cross rd., at NE. corner of Miles School; top of limestone wheel-guard	1,061.43 1,052.4
Dim T-rd. N.; surface of rd.	
T. 39 N., R. 6 W., in SW 1/4 sec. 21, 200 ft. N. of Rinehart dwelling, at SW. corner of crossroads; top of sandstone boulder	1,044.66

T. 39 N., R. 6 W., in NW 1/4 sec. 28, S. of rd., in root of 16-in. post-oak tree; copper nail and washer	Feet 1,036.53
T. 39 N., R. 6 W., in NE 1/4 sec. 28, at top of hill, at NW. corner of T-rd. W. to Miles School, in root of 15-in. white-oak tree; copper nail and washer	967.91

VIENNA QUADRANGLE
(Latitude 38°00'-38°15'; longitude 91°45'-92°00')

Maries and Phelps Counties



1. FROM POINT NEAR MIDDLE OF WEST HALF OF NORTH BORDER OF QUADRANGLE; WEST TO WEST BORDER (by L. V. Johnson in 1932)
(Continued from Linn quadrangle; see line 1.)

Vienna, 5 mi. N. of, along U.S. Highway 63, at Rader, 120 ft. S. and 70 ft. E. from junction of private rd. E., 120 ft. SW. of SW. corner of church, in root on SW. side of 18-in. oak tree; copper nail and washer	959.58
Vienna, 4.4 mi. N. of, along U.S. Highway 63, 7 ft. S. and 25 ft. W. from junction of rd. W., on S. head wall of concrete culvert; chiseled square	923.98
Vienna, 4.4 mi. N. of, along U.S. Highway 63, thence 1 mi. W. along rd. to creek, near center of NW 1/4 sec. 5, T. 40 N., R. 9 W., 25 ft. N. of rd., 75 ft. NW. of dwelling of A. F. Picker, 22 ft. W. of SW. corner of garage, in root on SW. side of 10-in. elm tree; copper nail and washer	843.87
Vienna, 4.4 mi. N. of, along U.S. Highway 63, thence 1.7 mi. W. along rd. to creek, near quarter cor. between secs. 5 and 6, T. 40 N., R. 9 W., 90 ft. S. and 80 ft. W. from junction of private rd. N. to dwelling of Willard Gillespie, 15 ft. S. of rd., in root on N. side of 30-in. oak tree; copper nail and washer	761.10
Vienna, 4.5 mi. NW. of, along creek rd. to Argyle, at approximate quarter cor. between secs. 1 and 6, T. 40 N., Rs. 9 and 10 W., 180 ft. SE. of junction of rd. NE., 57 ft. S. and 63 ft. E. from rd. in front of dwelling of H. J. Stratman, 3 ft. W. of board fence around barnyard, in concrete post; standard tablet stamped "1 J 1932"	714.338
T. 40 N., R. 10 W., near NW. cor. sec. 12, on old rd., 20 ft. N. of junction of rds. S. and W., at W. gatepost, in root on S. side of 12-in. oak tree; copper nail and washer	867.95

2. FROM POINT 4.4 MILES NORTH OF VIENNA, SOUTH AND EAST ALONG UNITED STATES HIGHWAY 63 TO POINT NEAR SOUTHEAST CORNER OF QUADRANGLE

Vienna, 3.6 mi. N. of, along U.S. Highway 63, 55 ft. S. of junction of rd. SE. to Little Flock School, in concrete post; standard tablet stamped "T T 28 B 1932"	893.735
Reference mark, 10 ft. S. of junction of rd. SE., on top of concrete rim of pavement; chiseled square	891.75
Vienna, 2.5 mi. N. of, along U.S. Highway 63, at top of hill, 350 ft. N. and 58 ft. E. from highway at curve sign, 33 ft. N. and 20 ft. E. from T-fence E., in root on NW. side of 8-in. oak tree; copper nail and washer	899.64
Vienna, 1.7 mi. N. of, along U.S. Highway 63, 8 ft. S. and 65 ft. E. from junction of private rd. E. through gate, at S. gatepost, in root on N. side of 18-in. oak stump; copper nail and washer	871.63
Vienna, 0.9 mi. N. of, along U.S. Highway 63, 240 ft. N. and 110 ft. E. from junction of rd. N. to Argyle, on NW. head wall of concrete culvert; chiseled square	908.06
Vienna, at SW. corner of courthouse yard, in concrete post; standard tablet stamped "T T 27 B 1932"	872.987
Reference mark, 25 ft. N. of tablet, in root on SW. side of 20-in. elm tree; copper nail and washer	872.30

	<u>Feet</u>
Vienna, 0.8 mi. S. of, along U.S. Highway 63, at top of hill, 40 ft. N. and 35 ft. W. from junction of private rd. W. to farmhouse, 11 ft. W. of fence, in root on E. side of 15-in. oak tree; copper nail and washer	958.92
Vienna, 2.2 mi. S. of, along U.S. Highway 63, 130 ft. S. and 35 ft. E. from N. junction of State Highway 28, 7 ft. E. of stop sign, on W. head wall of concrete culvert; chiseled square	956.02
Vienna, 2.7 mi. S. of, along U.S. Highway 63, 40 ft. S. and 10 ft. W. from SE. point of triangle at S. junction of State Highway 28, in concrete post; standard tablet stamped "T T 26 B 1932"	880.366
Reference mark, 230 ft. W. of junction of highways, on N. head wall of concrete culvert; chiseled square	890.16
Vienna, 3.7 mi. SE. of, along U.S. Highway 63, 70 ft. W. of dim cross rd., 55 ft. NW. of mail box of C. W. Honse, on N. head wall of concrete culvert; chiseled square	870.33
Vienna, 4.9 mi. SE. of, along U.S. Highway 63, 22 ft. S. and 130 ft. W. from junction of rd. N., 140 ft. W. of mail box of W. A. Curtis, 35 ft. S. of highway, 7 ft. S. of fence, in root on N. side of 15-in. oak tree; copper nail and washer	845.56
Vienna, 5.7 mi. SE. of, along U.S. Highway 63, 0.6 mi. W. of bridge over Gasconade River, 35 ft. S. and 100 ft. E. from highway at bottom of ravine, in fence line, in root on N. side of triangular-blazed 24-in. oak tree; copper nail and washer	759.67
Vienna, 6.3 mi. SE. of, along U.S. Highway 63, on W. end of NW. abutment of bridge over Gasconade River; standard tablet stamped "T T 25 B 1932"	694.142
Reference mark, on NE. wing wall of bridge; chiseled square	694.14
Vienna, 7.2 mi. SE. of, along U.S. Highway 63, 0.8 mi. SE. of bridge over Gasconade River, about 900 ft. SE. of filling sta., 15 ft. S. and 45 ft. E. from cross rd., on S. head wall of concrete culvert under E.-W. rd.; chiseled square	760.33
Vichy, 6.9 mi. NW. of, along U.S. Highway 63, 1.9 mi. SE. of bridge over Gasconade River, near top of hill, 20 ft. N. and 60 ft. W. from junction of dim private rd. W., at NW. gatepost, in root on E. side of 15-in. oak tree; copper nail and washer	912.48
Vichy, 6 mi. NW. of, along U.S. Highway 63, 2.9 mi. SE. of bridge over Gasconade River, 28 ft. N. of junction of rd. SW. to farm of J. M. Hedges, in concrete post; standard tablet stamped "T T 24 B 1932"	862.472
Reference mark, 20 ft. E. of tablet, on W. edge of pavement; chiseled square	863.87
Vichy, 4.7 mi. NW. of, along U.S. Highway 63, 35 ft. S. of highway, in root on W. side of triangular-blazed 12-in. hickory tree; copper nail and washer	922.48
Vichy, 3.9 mi. NW. of, along U.S. Highway 63, at top of hill, 60 ft. N. of junction of rd. NW., in root on W. side of 6-in. oak tree; copper nail and washer	1,095.04
Vichy, 2.8 mi. NW. of, along U.S. Highway 63, 0.5 mi. W. of junction of rd. W., 35 ft. W. of highway, in root on W. side of triangular-blazed 10-in. oak tree; copper nail and washer	1,094.78
Vichy, 2.3 mi. NW. of, along U.S. Highway 63, 25 ft. S. and 10 ft. E. from junction of rd. W., in concrete post; standard tablet stamped "T T 23 B 1932"	1,108.351
Reference mark, 30 ft. S. and 65 ft. E. from junction of rd., in root on N. side of 18-in. oak tree; copper nail and washer	1,108.16
Vichy, 1.5 mi. NW. of, along U.S. Highway 63, 40 ft. N. and 75 ft. W. from junction of rd. SE., on N. head wall of concrete culvert; chiseled square	1,139.49
Vichy, 0.6 mi. NW. of, along U.S. Highway 63, 130 ft. N. and 115 ft. W. from junction of State Highway 28, 70 ft. N. and 25 ft. W. from junction of rd. N., at fence corner, in root on S. side of 15-in. oak tree; copper nail and washer	1,155.40
Vichy, on U.S. Highway 63, 550 ft. S. of post office, near top of hill, 27 ft. S. and 33 ft. E. from cross rd., in concrete post; standard tablet stamped "T T 22 B 1932"	1,118.469
Reference mark, 23 ft. W. of tablet, on top of concrete rim of pavement; chiseled square	1,115.10
Vichy, 1 mi. S. of, along U.S. Highway 63, 18 ft. N. and 20 ft. W. from cross rd., on N. head wall of concrete culvert; chiseled square	1,075.53
Vichy, 2 mi. S. of, along U.S. Highway 63, 100 ft. S. and 50 ft. W. from junction of rd. SW., in root on SW. side of 8-in. oak tree; copper nail and washer	1,081.58
Vichy, 2.8 mi. S. of, along U.S. Highway 63, 50 ft. N. and 17 ft. W. from junction of rd. SW., in fence line, in root on W. side of 18-in. oak tree; copper nail and washer	1,081.36
Vichy, 3.9 mi. S. of, along U.S. Highway 63, near center sec. 35, T. 39 N., R. 8 W., 22 ft. N. and 30 ft. W. from junction of rd. W. to Veto, in concrete post; standard tablet stamped "T T 21 B 1932"	1,156.523
Reference mark, 15 ft. N. and 25 ft. W. from junction, on N. head wall of concrete culvert; chiseled square	1,155.33
Vichy, 4.4 mi. S. of, along U.S. Highway 63, 15 ft. S. and 23 ft. W. from junction of rd. W., on Maries-Phelps county line, on S. head wall of concrete culvert; chiseled square	1,112.43
Vichy, 5.4 mi. S. of, along U.S. Highway 63, 1 mi. S. of Maries-Phelps county line, 55 ft. W. of highway, 50 ft. S. of SE. corner of Feeler filling sta., in root on E. side of 15-in. oak tree; copper nail and washer	1,054.54
Vichy, 6.7 mi. S. of, along U.S. Highway 63, in NW 1/4 NE 1/4 sec. 14, T. 38 N., R. 8 W., about 0.2 mi. SW. of Macedonia Church, 350 ft. W. of N.-S. rd., about 280 ft. NW. of farmhouse of C. D. Brewster, 15 ft. S. and 33 ft. E. from junction of rd. E., in concrete post; standard tablet stamped "T T 20 B 1932"	961.727
T. 38 N., R. 8 W., in NE 1/4 sec. 14, NW. of rd., 50 ft. NE. of Brewster's old store building, in corner of yard fence, in root of 16-in. post-oak tree; copper nail and washer	975.89

3. EAST ALONG EAST HALF OF NORTH BORDER OF QUADRANGLE (by L. V. Johnson in 1933)

(Continued from Linn quadrangle; see line 5.)

	<u>Feet</u>
T. 41 N., R. 9 W., in SE. cor. sec. 36, 300 ft. W. of Paydown Road at junction of private rd. S. to dwelling of Ned Swarhouse, 10 ft. N. and 25 ft. W. from corner of Paydown Road N.-E., in root on SE. side of 15-in. oak tree; copper nail and washer	845.09
T. 40 N., R. 8 W., about 300 ft. SE. of NW. cor. sec. 5; 12 ft. S. and 35 ft. W. from Paydown Road at rd. N., in root on N. side of 12-in. oak tree; copper nail and washer	838.47
Franklin School, in NE 1/4 sec. 5, T. 40 N., R. 8 W., about 400 ft. SW. of schoolhouse, 15 ft. N. and 20 ft. W. from Paydown Road at rd. S., in concrete post; standard tablet stamped "T T 2 T 1933"	822.691
Paydown Ford, 0.8 mi. W. of, in SE 1/4 SW 1/4 sec. 4, T. 40 N., R. 8 W., at foot of hill, at E. edge of large valley, 22 ft. E. of Paydown Road, 2 ft. W. of fence, in root on SW. side of 14-in. oak tree; copper nail and washer	656.76
Paydown Ford, 50 ft. E. of Gasconade River, 25 ft. S. of Paydown Road, in root on NW. side of 24-in. elm tree; copper nail and washer	593.40
Paydown, at W. edge of, 75 ft. N. and 100 ft. W. from stone at quarter cor. between secs. 3 and 10, T. 40 N., R. 8 W., 3 ft. S. and 35 ft. E. from E. point of triangle at rd. fork S., 15 ft. S. of rd., in concrete post; standard tablet stamped "T T 3 T 1933"	605.925
Reference mark, 25 ft. SE. of tablet, in root on NW. side of 24-in. locust tree; copper nail and washer	606.10
Paydown, 1 mi. NE. of, along rd. to Belle, 15 ft. S. of rd., 12 ft. E. of T-fence S., in root on W. side of triangular-blazed 15-in. oak tree; copper nail and washer	656.24
Paydown, 2.2 mi. NE. of, along rd. to Belle, at top of hill, 10 ft. S. of rd., in root on NW. side of triangular-blazed 12-in. oak tree; copper nail and washer	884.11
Belle, 4.4 mi. S. of, along Belle-Paydown rd., in W 1/2 sec. 6, T. 40 N., R. 7 W., 43 ft. S. and 19 ft. E. from junction of private rd. to old dwelling, 20 ft. N. of 12-in. oak tree, in concrete post; standard tablet stamped "T T 4 T 1933 1043"	1,042.694
Reference mark, 20 ft. S. of tablet, in root on N. side of 10-in. oak tree; copper nail and washer	1,043.56

(Continued in Bland quadrangle; see line 2.)

4. FROM VIENNA SOUTHWEST TO POINT NEAR WEST BORDER OF QUADRANGLE, THENCE SOUTH TO POINT ABOUT 2 MILES SOUTH OF HAYDEN, THENCE EAST TO GAINES FORD (by O. F. Hodgdon in 1934)

T. 40 N., R. 9 W., 3 ft. S. and 227 ft. E. from NW. cor. sec. 32, 62 ft. E. of rd., in root on W. side of 24-in. elm tree; nail and washer	883.95
T. 40 N., R. 9 W., about 175 ft. N. of center sec. 31, 15 ft. S. of rd., in root on N. side of 6-in. pin-oak tree; nail and washer	827.74
T. 40 N., R. 10 W., 520 ft. E. of probable S. quarter cor. sec. 36, 2.9 mi. SW. of Vienna, 40 ft. W. of rd., in concrete post; standard tablet stamped "T T 325 C W A 1934"	972.680
Reference mark, 101 ft. S. 15° W. of tablet, in root on S. side of 16-in. white-oak tree; copper nail and washer	976.76
T. 39 N., R. 10 W., in NW 1/4 sec. 2, 30 ft. W. of rd., in root on W. side of 16-in. hickory tree; copper nail and washer	1,000.76
T. 39 N., R. 10 W., in NW 1/4 sec. 2, 20 ft. E. of rd., in root on N. side of 12-in. post-oak tree; copper nail and washer	1,029.26
T. 39 N., R. 10 W., in NE 1/4 sec. 14, 8 mi. SW. of Vienna, along State Highway 28, at junction of Hayden rd., 15 ft. S. of rd., on top of W. head wall of 15-in. tile pipe culvert; chiseled square	1,051.04
T. 39 N., R. 10 W., cor. secs. 13, 14, 23, and 24, 166 ft. S. and 307 ft. W. from, on Hayden rd., about 0.9 mi. S. of State Highway 28, 20 ft. W. of rd., in root on NE. side of 16-in. post-oak tree; copper nail and washer	953.82
T. 39 N., R. 10 W., cor. secs. 23, 24, 25, and 26, 177 ft. N. and 217 ft. W. from, 12 ft. W. of Hayden rd., in root of 16-in. Spanish-oak tree; copper nail and washer	864.42
Hayden, 0.5 mi. W. of, quarter cor. between secs. 25 and 26, T. 39 N., R. 10 W., 695 ft. S. and 55 ft. W. from stone, 90 ft. S. and 25 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T 327 C W A 1934"	880.610
Reference mark, 111 ft. N. and 37 ft. E. from tablet, in root on S. side of 20-in. post-oak tree; copper nail and washer	882.97
T. 39 N., R. 10 W., on line between secs. 35 and 36, 15 ft. E. of rd., in root on W. side of 16-in. white-oak tree; copper nail and washer	955.65
T. 38 N., R. 10 W., N. cor. secs. 1 and 2, 35 ft. S. of rd., in root on N. side of 16-in. white-oak tree; copper nail and washer	810.10
T. 38 N., R. 10 W., quarter cor. between secs. 1 and 2, 2 mi. S. of Hayden, 12 ft. S. and 132 ft. E. from T-rd. N., in concrete post; standard tablet stamped "T T 328 C W A 1934"	950.273
Reference mark, 162 ft. N. and 102 ft. W. from tablet, in root on S. side of 22-in. Spanish-oak tree; copper nail and washer	951.23
T. 38 N., R. 9 and 10 W., quarter cor. between secs. 1 and 6, 177 ft. S. and 124 ft. W. from, 10 ft. S. of rd., in root on N. side of 17-in. Spanish-oak tree; nail and washer	870.10
T. 38 N., R. 9 W., N. sixteenth cor. sec. 6, 440 ft. S. and 110 ft. E. from, 2 mi. S., thence 1.5 mi. E. from Hayden, 40 ft. (? 46 ft.) E. of rd. forks, in concrete post; standard tablet stamped "T T 329 C W A 1934"	707.161
Reference mark, 185 ft. N. and 111 ft. E. from tablet, in root on S. side of 11-in. Spanish-oak tree; lead-headed nail and washer	716.74

T. 38 N., R. 9 W., in NW 1/4 sec. 5, 35 ft. SE. of rd. forks, in root on NW. side of 20-in. Spanish-oak tree; lead-headed nail and washer	Feet 914.75
T. 39 N., R. 9 W., 4 ft. N. of stone at center of SE 1/4 sec. 32, 60 ft. SE. of Cliftydale rd., in root on S. side of 10-in. twin white-oak tree; lead-headed nail and washer	907.15
T. 39 N., R. 9 W., 420 ft. S. and 38 ft. E. from center sec. 33, 15 ft. N. of Cliftydale rd., in root on S.-side of 12-in. post-oak tree; copper nail and washer	872.57
Stickney, 2 mi. E., thence 0.5 mi. S. from, in NW 1/4 NE 1/4 sec. 34, T. 39 N., R. 9 W., 38 ft. N. and 24 ft. E. from rd. forks, in concrete post; standard tablet stamped "T T 330 C W A 1934"	664.246
Reference mark, 93 ft. S. of tablet, in root on W. side of 32-in. Spanish-oak tree; copper nail and washer	672.99
Gaines Ford, about 0.4 mi. S. of, on W. bank of Gasconade River, 20 ft. S. of ferry-boat landing, in root on N. side of 12-in. elm tree; copper nail and washer	648.38

5. IN SOUTHWEST CORNER OF QUADRANGLE

T. 38 N., R. 9 W., 15 ft. N. and 78 ft. W. from center of SW 1/4 sec. 6, 8 ft. S. of Cliftydale rd., 20 ft. SW. of spring, in root on E. side of 3 1/2-in. Spanish-oak tree; copper nail and washer	657.84
T. 38 N., R. 10 W., 410 ft. N. and 15 ft. E. from center of NE 1/4 sec. 12, 40 ft. N. of Cliftydale rd., in root on S. side of 12-in. hickory tree; copper nail and washer	834.58
Dixon, 7.8 mi. NE. of, in SW 1/4 SE 1/4 sec. 11, T. 38 N., R. 10 W., 25 ft. E. of Cliftydale rd., 2 ft. W. of wire fence, in concrete post; standard tablet stamped "T T 320 C W A 1934"	917.367
Reference mark, 56 ft. S. and 56 ft. W. from tablet, in root on SW. side of 12-in. white-oak tree; copper nail and washer	912.98

6. FROM VIENNA WEST TO WEST BORDER OF QUADRANGLE (by S. M. Hayes in 1934)

Vienna, 0.1 mi. W. of, along State Highway 42 (County Route A), in SW 1/4 sec. 20, T. 40 N., R. 9 W., in root on S. side of 10-in. elm tree; copper nail and washer	826.25
Vienna, 0.5 mi. W. of, along State Highway 42 (County Route A), in SE. cor. sec. 19, T. 40 N., R. 9 W., about 160 ft. W. of main entrance to Catholic Cemetery, on concrete wall; chiseled square	859.98
Vienna, 1.1 mi. W. of, along State Highway 42 (County Route A), in S 1/2 sec. 19, T. 40 N., R. 9 W., on top of W. concrete wall of bridge over Fly Creek; chiseled square	784.92
Vienna, 1.4 mi. W. of, along State Highway 42 (County Route A), in NW 1/4 sec. 30, T. 40 N., R. 9 W., about 35 ft. E. of highway, 100 ft. N. of rd. W., in root on S. side of 18-in. cherry tree; copper nail and washer	793.54
Vienna, 1.8 mi. W. of, along State Highway 42 (County Route A), cor. secs. 19, 24, 25, and 30, T. 40 N., Rs. 9 and 10 W., 978 ft. S. and 27 ft. E. from fence corner, 35 ft. N. of highway, in front of dwelling of John Brendel, in concrete post; U.S.C. & G.S. standard disk stamped "T T 306 C W A 1934"	905.203
Vienna, 2 mi. W. of, along State Highway 42 (County Route A), in NE 1/4 sec. 25, T. 40 N., R. 10 W., 150 ft. S. of highway, between two northernmost trees in row of cedar trees, in concrete post; U.S.C. & G.S. standard disk stamped "T T 307 C W A 1934"	855.245
Vienna, 2.4 mi. W. of, along State Highway 42 (County Route A), in sec. 25, T. 40 N., R. 10 W., on S. wall of bridge over Big Maries River; chiseled square	768.56
Vienna, 2.9 mi. W. of, along State Highway 42 (County Route A), in SW 1/4 sec. 24, T. 40 N., R. 10 W., S. of highway, in fence line, in root on SW. side of 12-in. black-oak tree; copper nail and washer	834.42

7. NEAR MIDDLE OF EAST BORDER OF QUADRANGLE (by J. M. Lawson in 1934)

Vichy, 0.5 mi. N. of, on State Highway 68, 90 ft. E. of junction of U.S. Highway 63 S. and W., S. of Highway 68, in root on W. side of 12-in. oak tree; copper nail and washer	1,142.51
Junction of rd. N.; surface of Highway	1,081.1
Culvert, on top of S. head wall; chiseled square	1,164.16

(Continued in Red Bird quadrangle; see line 6.)

8. IN SOUTHEAST CORNER OF QUADRANGLE (by J. A. Rood in 1934)

T. 38 N., R. 8 W., on line between secs. 12 and 13, 100 ft. NE. of dwelling of Mrs. Grey, S. of rd., in root of 10-in. persimmon tree; copper nail and washer	1,054.98
T. 38 N., R. 8 W., center of SE 1/4 sec. 12, 7 ft. E. of dim rd. NE., in root of 24-in. oak tree; copper nail and washer	1,128.92

(Continued in Redbird quadrangle; see line 7.)

9. IN SOUTHEAST CORNER OF QUADRANGLE, FROM EAST BORDER WEST TO MILLER SCHOOL (fourth-order leveling by Missouri School of Mines Vocational Training Students in 1920-22)
(Continued from Redbird quadrangle; see line 15.)

T. 38 N., R. 8 W., in SE 1/4 sec. 12, 100 ft. N. of dwelling of J. H. Pierce, S. of dim rd. fork W., in root of 12-in. red-oak tree; copper nail and washer	<u>Feet</u> 1,129.08
T. 38 N., R. 8 W., in NW 1/4 sec. 14, 125 ft. N. of dwelling of J. F. Guffey, E. of Rolla-Vichy rd., at N. end of wagon gate, in root of 12-in. locust tree; copper nail and washer	881.30
T. 38 N., R. 8 W., in NE 1/4 sec. 15, 30 ft. SE. of dwelling of Mrs. N. E. Tun, N. of dim rd. W. to Vienna rd., in root of 20-in. walnut tree; copper nail and washer	882.36
T. 38 N., R. 8 W., on line between secs. 10 and 15, 0.2 mi. W. of Bank's farm, at break of hill, S. of dim rd., in base of 16-in. post-oak tree; copper nail and washer	943.75
T. 38 N., R. 8 W., on line between secs. 9 and 16, 50 ft. SW. of dwelling of J. H. Ragan, N. of rd., in fence line, in root of 10-in. walnut tree; copper nail and washer	850.08
T. 38 N., R. 8 W., in NW 1/4 sec. 16, on Rolla-Vienna rd., 200 ft. S. of ford across Spring Creek, at front steps of Spring Creek Baptist Church, on top of upper step; chiseled square	799.45 809.6
T-rd. E., 800 ft. N. of Spring Creek Baptist Church; surface of rd.	
T. 38 N., R. 8 W., in sec. 9, in angle of Rolla-Vienna rd., at rd. fork NW., in root of twin white-oak tree; copper nail and washer	855.55
T. 38 N., R. 8 W., in NE 1/4 sec. 8, E. of Rolla-Vienna rd., on N. bank at second crossing of Spring Creek, in root of 20-in. elm tree; copper nail and washer	777.10
T. 38 N., R. 8 W., in sec. 8, W. of Rolla-Vienna rd. at rd. W., at three mail boxes, in root of 10-in. white-oak tree; copper nail and washer	853.65
T. 38 N., R. 8 W., in NE 1/4 sec. 7, W. of Gaines Ford rd. at rd. E., in root of 20-in. blackjack-oak tree; copper nail and washer	953.65

10. FROM SOUTH BORDER OF QUADRANGLE NORTH TO MILLER SCHOOL

T. 38 N., R. 8 W., in SE 1/4 sec. 20, E. of Gaines Ford-Rolla rd., 800 ft. N. of dwelling of F. Walker, 10 ft. S. of rock culvert, on sandstone boulder (upper corner broken off); (mark not described)	921.68
T. 38 N., R. 8 W., in SW 1/4 sec. 17, on Gaines Ford-Rolla rd., 500 ft. N. of dwelling of G. C. Colvin, 50 ft. S. of forks of old and relocated rd., on top of W. head wall of concrete culvert over small drain; chiseled square	882.36
T. 38 N., R. 8 W., in NW 1/4 sec. 17, E. of Gaines Ford-Rolla rd. at gate to field, 200 ft. SE. of Honse dwelling, in root of 30-in. elm tree; copper nail	861.30
T. 38 N., R. 8 W., in SE 1/4 sec. 7, 150 ft. N. of T-rd. NW. to Gasconade River, W. of rd., in root of 10-in. hickory tree; nail	959.38

11. FROM SOUTH BORDER OF QUADRANGLE, NORTHEAST ALONG GASCONADE RIVER TO NORTH BORDER (fourth-order leveling by E. O. Brooks in 1922)

T. 38 N., R. 10 W., in E 1/2 sec. 24, on E. bank of Gasconade River, 150 ft. N. of mouth of slough, in root on N. side of 24-in. elm tree; copper nail and washer	649.24
Duerson Slide, 0.5 mi. N. of, on W. bank of Gasconade River, 30 ft. N. of private ford, in root on NE. side of 24-in. sycamore tree; copper nail and washer	646.92
Private ford, about 1 mi. N. of, on W. bank of Gasconade River, 100 ft. S. of S. end of small island, in root on E. side of 12-in. willow tree; copper nail and washer	642.82
Thox Rock Clubhouse, about 0.2 mi. SW. of, on E. bank of Gasconade River, about 500 ft. above shoal, in top of large rock; standard tablet stamped "No 2 E B 1922"	644.165
Reference mark, 50 ft. N. of tablet, in root on E. side of leaning 10-in. ash tree; copper nail and washer	642.22
Thox Rock Clubhouse, about 1.1 mi. NE. of, on SE. bank of Gasconade River, at private ford, 10 ft. W. of rd., in root on E. side of 12-in. elm tree; nail	643.23
Camp Creek, about 0.4 mi. S. of mouth of, on S. bank of Gasconade River, 200 ft. N. of mouth of small drain, 1 ft. above surface of ground, in E. side of leaning 6-in. willow tree; nail	636.64
Gaines Ford, about 1.5 mi. SW. of, on SE. bank of Gasconade River, 75 ft. S. of private rd. to river, in root on S. side of 12-in. sycamore tree; copper nail and washer	634.81
Gaines Ford, about 0.5 mi. S. of, on E. bank of Gasconade River, 600 ft. S. of ferry-boat landing, in top of large rock; standard tablet stamped "No 3 E B 1922"	637.835 637.74
Reference mark, 3 ft. S. of tablet, on top of large rock; chiseled square	
Gaines Ford, about 0.6 mi. N. of, on E. bank of Gasconade River, at mouth of slough, in root on E. side of 10-in. ash tree; copper nail and washer	630.97
Terry Ford, 0.2 mi. N. of, on W. bank of Gasconade River, 150 ft. N. of mouth of slough, in root on E. side of 12-in. elm tree; copper nail and washer	625.03
Terry Ford, about 1.2 mi. N. of, on W. bank of Gasconade River, opposite mouth of Coyle Branch, about 500 ft. W. of old dwelling, in root on S. side of 12-in. sycamore tree; copper nail and washer	623.43
Coyle Branch, about 0.8 mi. N. of mouth of, on E. bank of Gasconade River, in top of large boulder; standard tablet stamped "No 4 E B 1922"	625.984

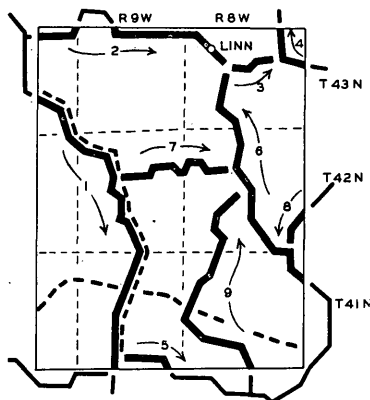
Reference mark, 100 ft. NW. of tablet, on top of large rock; chiseled square	Feet 622.30
Johnson Ford (abandoned), about 1.7 mi. S. of, on W. bank of Gasconade River, in root on N. side of 24-in. elm tree; copper nail and washer	623.21
Johnson Ford (abandoned), 0.6 mi. W. of, on N. bank of Gasconade River, on top of large boulder; chiseled square	616.04
Johnson Ford (abandoned), on N. bank of Gasconade River, 50 ft. W. of rd., in root on W. side of 30-in. sycamore tree; copper nail and washer	616.78
Johnson Ford (abandoned), 1 mi. NE. of, on W. bank of Gasconade River, opposite point of bluff, 500 ft. S. of S. end of gravel bar, in root on E. side of 18-in. maple tree; copper nail and washer	616.76
Johnson Ford (abandoned), 1.7 mi. NE. of, 0.5 mi. N. of mouth of creek from E., on W. bank of Gasconade River, in top of large flat rock; standard tablet stamped "No 5 E B 1922"	615.952
Reference mark, 10 ft. N. of tablet, on top of large boulder; chiseled square	614.46
Hutchinson Ford, on N. bank of Gasconade River, 20 ft. E. of rd., in root on NE. side of 36-in. sycamore tree; copper nail and washer	611.79
Hutchinson Ford, 1.2 mi. N. of, on NW. bank of Gasconade River, 700 ft. N. of mouth of small drain from W., in root on S. side of 18-in. ash tree; copper nail and washer	609.45
Hutchinson Ford, 2.2 mi. NW. of, about 0.3 mi. W. of W. end of small island at summer resort, on N. bank of Gasconade River, on top of rock outcrop; chiseled square	607.87
Henderson Ford (?), on N. bank of Gasconade River, 5 ft. W. of rd., in root on E. side of 4-in. willow tree; copper nail and washer	605.66
Hutchinson Ford, 5 mi. NW. of, 1.2 mi. W. of private ford, at base of bluff, 300 ft. N. of N. bank of Gasconade River, 300 ft. N. and 150 ft. E. from mouth of drain from NE., in top of large boulder; standard tablet stamped "No 6 E B 1922"	625.800
Reference mark, 8 ft. S. and 50 ft. W. from tablet, in E. side of leaning 4-in. tree; copper nail and washer	622.29
Vienna Bridge over Gasconade River, 1.1 mi. SE. of, on SE. bank of river, 75 ft. E. of mouth of drain from S., in root on N. side of 12-in. sycamore tree; copper nail and washer	601.65
Vienna Bridge over Gasconade River, in top of concrete base of center, steel pier of bridge; standard tablet stamped "No 7 E B 1922"	602.829
Reference mark, 12 ft. N. and 6 ft. W. from tablet, on top near NW. corner of concrete base of steel pier; chiseled square	602.63
Vienna Bridge over Gasconade River, 1.3 mi. NE. of, on W. bank of river, 120 ft. N. of private rd., in fork of leaning sycamore tree; copper nail and washer	601.31
Lanes Ford, 200 ft. S. of, on W. bank of Gasconade River, in root on N. side of twin sycamore tree; copper nail and washer	600.89
Lanes Ford, 0.6 mi. N. of, on W. bank of Gasconade River, opposite mouth of slough, 30 ft. S. of mouth of small drain from W., in root on N. side of 24-in. sycamore tree; copper nail and washer	597.11
Lanes Ford, 1.9 mi. N. of, on N. bank of Gasconade River, about 0.5 mi. N. of clubhouse, in top of large boulder; standard tablet stamped "No 8 E B 1922"	599.542
Reference mark, 50 ft. S. of tablet, on top of large boulder; chiseled square	595.32
Hauffman Ford, 200 ft. S. of, on N. bank of Gasconade River, in root on W. side of 18-in. elm tree; copper nail and washer	597.03
Little Bottom Ford, on N. bank of Gasconade River, 400 ft. W. of rd., in root on SW. side of 36-in. sycamore tree; copper nail and washer	593.97
Loggy Ford, on S. bank of Gasconade River, 550 ft. W. of rd., in root on N. side of 24-in. sycamore tree; copper nail and washer	588.52
Loggy Ford, 1 mi. E. of, on S. bank of Gasconade River, near drain, 900 ft. W. of dwelling, in top of large boulder; standard tablet stamped "No 9 E B 1922"	588.055
Reference mark, 70 ft. W. of tablet, on top of large boulder; chiseled square	586.75
Paydown Ford, on W. bank of Gasconade River, 200 ft. N. of rd., in root on E. side of 24-in. sycamore tree; copper nail and washer	586.33
Paydown Ford, 0.3 mi. NE. of, on E. bank of Gasconade River, 300 ft. W. of mouth of creek, in root on E. side of 30-in. sycamore tree; copper nail and washer	586.26
Paydown Ford, 1.6 mi. NE. of, on E. bank of Gasconade River, about 0.2 mi. N. of long shoal, in root on SW. side of 24-in. sycamore tree; copper nail and washer	585.62

(Continued in Linn quadrangle; see line 9.)

For an additional level line along U.S. Highway 63, refer to United States Coast and Geodetic Survey first-order line, Cabool to Osage City.

LINN QUADRANGLE
(Latitude $38^{\circ}15' - 38^{\circ}30'$; longitude $91^{\circ}45' - 92^{\circ}00'$)

Maries and Osage Counties



1. SOUTHEAST AND SOUTH ALONG UNITED STATES HIGHWAY 63 TO SOUTH BORDER OF QUADRANGLE (by L. V. Johnson in 1932)

	Feet
Westphalia, 0.8 mi. SE. of, along U.S. Highway 63, at NW. corner of bridge over Maries River, on concrete wing wall; chiseled square	565.18
Westphalia, 1.9 mi. SE. of, along U.S. Highway 63, about 250 ft. SE. of summit of hill, 25 ft. E. of junction of rd. E., on N. end of 18-in. culvert; chiseled square	805.20
Westphalia, 2.9 mi. SE. of, along U.S. Highway 63, in SE 1/4 SE 1/4 sec. 1, T. 42 N., R. 10 W., 130 ft. N. and 50 ft. W. from junction of rd. SW. to Marie, 5 ft. W. of fence, in concrete post; standard tablet stamped "T T 34 B 1932"	842.114
Reference mark, about 160 ft. S. of tablet, on W. head wall of concrete culvert; chiseled square	835.98
Westphalia, 3.7 mi. SE. of, along U.S. Highway 63, 25 ft. S. and 85 ft. E. from junction of rd. S., on S. head wall of concrete culvert; chiseled square	825.50
Westphalia, 4.7 mi. SE. of, along U.S. Highway 63, 45 ft. N. and 100 ft. W. from highway at Ozark Tavern filling sta., 75 ft. NW. of NW. corner of sta., in root on N. side of 15-in. oak tree; copper nail and washer	841.42
Westphalia, 5.7 mi. S. of, along U.S. Highway 63, 6.1 mi. N. of Freeburg, in SE 1/4 NW 1/4 sec. 16, T. 42 N., R. 9 W., 25 ft. S. and 36 ft. W. from junction of rd. E. to Rich Fountain, in concrete post; standard tablet stamped "T T 33 B 1932"	884.000
Reference mark, 35 ft. S. and 40 ft. W. from rd. junction, in root on N. side of 6-in. oak tree; copper nail and washer	882.97
Freeburg, 5.2 mi. N. of, along U.S. Highway 63, 40 ft. N. and 90 ft. W. from junction of dim rd. SW., in root on W. side of 8-in. oak tree; copper nail and washer	873.97
Freeburg, 4 mi. N. of, along U.S. Highway 63, 20 ft. S. and 30 ft. E. from junction of rd. NE. to Rich Fountain, on E. head wall of concrete culvert; chiseled square	908.76
Freeburg, 3 mi. N. of, along U.S. Highway 63, in SW 1/4 sec. 27, T. 42 N., R. 9 W., 45 ft. E. of junction of rd. N., 17 ft. S. of telephone pole, in concrete post; standard tablet stamped "T T 32 B 1932"	857.383
Freeburg, 2 mi. N. of, along U.S. Highway 63, about 315 ft. S. of crossing of S. line of transmission line, 95 ft. S. and 10 ft. E. from junction of rd. SE., 8 ft. S. of stop sign, on E. end of 18-in. concrete culvert; chiseled square	896.12
Freeburg, 1.4 mi. N. of, along U.S. Highway 63, 55 ft. N. and 40 ft. E. from junction of rd. NE., on N. head wall of concrete culvert; chiseled square	885.62
Freeburg, at N. limits of, on U.S. Highway 63, 0.4 mi. N. of Catholic Church, 5 ft. N. and 35 ft. E. from junction of rd. W. to Argyle, in concrete post; standard tablet stamped "T T 31 B 1932"	895.425
Reference mark, 10 ft. E. of rd. junction, on top of concrete rim of pavement; chiseled square	895.69
Freeburg, on U.S. Highway 63, 55 ft. NE. of NE. corner of Catholic Church, 25 ft. S. and 23 ft. W. from cross rd., 3 ft. S. of stop sign, on N. edge of concrete walk; chiseled square	906.98
Freeburg, 1.2 mi. S. of, along U.S. Highway 63, 110 ft. N. and 220 ft. E. from junction of rd. NE., in root on NW. side of 18-in. oak tree; copper nail and washer	891.41
Freeburg, 2.2 mi. S. of, along U.S. Highway 63, on line between secs. 16 and 21, T. 41 N., R. 9 W., 30 ft. N. and 94 ft. E. from junction of rd. W. on Maries-Osage county line, 10 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 30 B 1932"	923.151
Freeburg, 3.3 mi. S. of, along U.S. Highway 63, 30 ft. N. and 80 ft. E. from junction of private rd. SE., 100 ft. NE. of mail box of J. B. Clark, on SE. head wall of concrete culvert; chiseled square	924.03

Freeburg, 4 mi. S. of, along U.S. Highway 63, 10 ft. N. and 33 ft. W. from junction of private rd. W., 260 ft. NW. of mail box of W. B. Bell, on N. head wall of concrete culvert; chiseled square	<u>Feet</u> 914.26
Freeburg, 4.3 mi. S. of, along U.S. Highway 63, in SW 1/4 sec. 28, T. 41 N., R. 9 W., 45 ft. S. and 20 ft. W. from junction of Paydown Road E., in concrete post; standard tablet stamped "T T 29 B 1932"	956.230
Reference mark, 15 ft. S. and 35 ft. E. from rd. junction, on S. head wall of concrete culvert; chiseled square	954.68

(Continued in Vienna quadrangle; see line 1.)

2. FROM WEST BORDER OF QUADRANGLE EAST ALONG UNITED STATES HIGHWAY 50 TO LINN

Loose Creek, 2.4 mi. SW. of, along U.S. Highway 50, 0.9 mi. E. of junction of U.S. Highway 63, at NW. corner of bridge over Maries River, on concrete wing wall; chiseled square	514.07
Loose Creek, 1.7 mi. SW. of, along U.S. Highway 50, 0.7 mi. E. of bridge over Maries River, at foot of hill, 300 ft. N. of stone farmhouse, 25 ft. S. and 20 ft. E. from junction of rd. E., on W. end of S. head wall of concrete culvert; chiseled square	562.89

(For balance in Mokane quadrangle, see line 4.)

Linn, 3.6 mi. W. of, along U.S. Highway 50, in NE 1/4 sec. 10, T. 43 N., R. 9 W., 420 ft. E. of farmhouse of William Orschelen, 30 ft. S. of highway in line with fence N., in concrete post; standard tablet stamped "T T 40 B 1932"	858.130
Linn, 3 mi. W. of, along U.S. Highway 50, 30 ft. N. and 25 ft. W. from junction of rd. N., in root on S. side of 15-in. oak tree; copper nail and washer	862.51
Linn, 2.2 mi. W. of, along U.S. Highway 50, 40 ft. N. and 30 ft. W. from cross rd., about 15 ft. below rd. level, on W. head wall of concrete culvert; chiseled square	860.37
Linn, 1 mi. W. of, along U.S. Highway 50, in SW 1/4 NW 1/4 sec. 7, T. 43 N., R. 8 W., 245 ft. W. of bridge over Loughlin Creek, 95 ft. N. of highway, 25 ft. E. of rd. N., in concrete post; standard tablet stamped "T T 41 B 1932"	706.152 708.74
Reference mark, on wing wall at NW. corner of bridge; chiseled square	
Linn, 25 ft. N. and 11 ft. W. from front door of courthouse, on concrete walk; chiseled square	879.21
Linn, 0.8 mi. E. of courthouse, along U.S. Highway 50, 8 ft. S. and 35 ft. E. from junction of rd. NE., on S. head wall of concrete culvert; chiseled square	914.31

3. FROM POINT NEAR LINN, EAST ALONG UNITED STATES HIGHWAY 50 AND STATE HIGHWAY 89 TO POINT NEAR EAST BORDER OF QUADRANGLE (by C. E. Reick in 1932)

Linn, 2.2 mi. SE. of, along U.S. Highway 50, in SE 1/4 NW 1/4 sec. 21, T. 43 N., R. 8 W., 36 ft. N. of highway, 3 ft. W. of line of E. face of farmhouse of V. A. Vuilecott S. of highway, in concrete post; standard tablet stamped "T T 42 B 1932"	958.017
Linn, 2.7 mi. E. of, along U.S. Highway 50, in NE 1/4 sec. 21, T. 43 N., R. 8 W., 50 ft. S. of highway, SE. of junction of rd. S. to Judge, in root of 24-in. oak tree; copper nail	938.38
Linn, about 3.8 mi. E. of, along U.S. Highway 50, in SE 1/4 sec. 15, T. 43 N., R. 8 W., NW. of junction of lane N., on head wall of culvert; chiseled square	922.68
Linn, 4.6 mi. E. of, along U.S. Highway 50, in NE 1/4 SW 1/4 sec. 14, T. 43 N., R. 8 W., 75 ft. N. of W. junction of State Highway 89, in concrete post; standard tablet stamped "T T 43 B 1932"	918.688
Reference mark, 640 ft. NE. of tablet, on top of right-of-way post; chiseled square	919.91
T. 43 N., R. 8 W., cor. secs. 11, 12, 13, and 14, N. of State Highway 89, on boulder; chiseled square	954.95

4. IN NORTHEAST CORNER OF QUADRANGLE

(Continued from Bland quadrangle; see line 1.)

T. 43 N., R. 7 W., in NW 1/4 sec. 19, 30 ft. S. of junction of U.S. Highway 50 and E. fork of State Highway 89, on ledge; chiseled square	882.16
T. 43 N., R. 8 W., in NE 1/4 sec. 13, E. of E. fork of State Highway 89, on top of concrete right-of-way post; chiseled cross	887.57
T. 43 N., R. 8 W., in SE 1/4 sec. 12, 60 ft. NW. of junction of E. and W. forks of State Highway 89, in base of telephone pole; spike	937.16

(Continued in Mokane quadrangle; see line 3.)

5. FROM POINT ON UNITED STATES HIGHWAY 63, 4.3 MILES SOUTH OF FREEBURG, SOUTHEAST TO SOUTH BORDER OF QUADRANGLE (by L. V. Johnson in 1933)

T. 41 N., R. 9 W., near quarter cor. between secs. 27 and 34, 1.3 mi. E. of U.S. Highway 63 along Paydown Road, 30 ft. S. and 12 ft. E. from junction of rd. SE., in root on N. side of 12-in. oak tree; copper nail and washer	894.06
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T. 41 N., R. 9 W., in NE 1/4 NW 1/4 sec. 35, 2.3 mi. E. of U.S. Highway 63 along Paydown Road, 20 ft. E. of rd., about 300 ft. S. of dwelling of Clarence Wagoner, in root on S. side of 22-in. oak tree; copper nail and washer	<u>Feet</u> 913.78
T. 41 N., R. 9 W., in SW 1/4 sec. 36, 3.5 mi. E. of U.S. Highway 63 along Paydown Road, about 150 ft. W. of dwelling of L. E. Shaning, 36 ft. S. of rd., in concrete post; standard tablet stamped "T T 1 T 1933"	858.420
Reference mark, 10 ft. W. of tablet, in root on N. side of 12-in. oak tree; copper nail and washer	858.57

(Continued in Vienna quadrangle; see line 3.)

6. FROM POINT NEAR MIDDLE OF SOUTH HALF OF EAST BORDER OF QUADRANGLE, NORTHWEST ALONG STATE HIGHWAY 89 TO POINT NEAR LINN
(Continued from Bland quadrangle; see line 2.)

Belle, 3.4 mi. NW. of, along State Highway 89, 25 ft. S. and 25 ft. W. from junction of rd. E., 6 ft. from triangular-blazed 6-in. oak tree, on top of sandstone boulder; chiseled square	1,006.07
Belle, 4.7 mi. NW. of, along State Highway 89, in SW 1/4 SE 1/4 sec. 36, T. 42 N., R. 8 W., 10 ft. N. and 32 ft. E. from junction of rd. NE. to Gasconade Park, 8 ft. S. and 6 ft. E. from 3-in. walnut tree at corner of rail fence, in concrete post; standard tablet stamped "T T 7 T 1933 919"	918.901
Reference mark, 5 ft. S. and 38 ft. W. from rd. forks, in root on S. side of 15-in. oak tree; copper nail and washer	914.39
Belle, 5.6 mi. NW. of, along State Highway 89, 35 ft. N. and 60 ft. E. from junction of rd. NE., in root on SW. side of 8-in. oak tree; copper nail and washer	866.08
Belle, 6.3 mi. NW. of, along State Highway 89, at SW. corner of concrete bridge over Union Creek, on head wall; chiseled square	691.99
Belle, 7.4 mi. NW. of, along State Highway 89, at top of ridge, 30 ft. S. and 10 ft. W. from junction of dim rd. E. to field, in root on N. side of twin 10-in. oak tree; copper nail and washer	800.28
Belle, 7.8 mi. NW. of, along State Highway 89, near center sec. 27, T. 42 N., R. 8 W., about 250 ft. NW. of junction of rd. S. to fishing resort, 10 ft. N. and 45 ft. W. from junction of private rd. W., 5 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 8 T 1933 799"	799.080
Reference mark, 4 ft. W. of tablet, in root on N. side of 12-in. hickory tree; copper nail and washer	798.88
Belle, 9.4 mi. NW. of, along State Highway 89, at top of knoll, 50 ft. S. and 40 ft. W. from junction of old highway, near crossing of transmission line, in root on NW. side of 10-in. oak tree; copper nail and washer	788.05
Rich Fountain, 3.5 mi. E. of, in SE 1/4 sec. 16, T. 42 N., R. 8 W., 10 ft. N. and 20 ft. E. from rd. forks, in top of N. column at W. end of bridge over Gasconade River; standard tablet stamped "T T 9 T 1933 597"	597.506
Reference mark, 20 ft. SW. of tablet, on top of S. concrete column; chiseled square	597.28
Linn, 6.8 mi. SE. of, along State Highway 89, 5.7 mi. SE. of U.S. Highway 50, 0.9 mi. SE. of bridge over Gasconade River, 10 ft. N. and 25 ft. W. from junction of private rd. SE. to farmhouse, at N. gatepost, on top of concrete right-of-way marker; chiseled square	709.66
Linn, 5.9 mi. SE. of, along State Highway 89, 4.8 mi. SE. of U.S. Highway 50, 25 ft. N. and 45 ft. W. from junction of rd. NE., in root on E. side of 15-in. oak tree; copper nail and washer	819.07
Linn, 4.9 mi. SE. of, along State Highway 89, 3.8 mi. SE. of U.S. Highway 50, 30 ft. N. and 30 ft. W. from junction of private rd. W. through gate, 500 ft. S. of dwelling of H. H. Jones, in root on E. side of twin 8-in. oak tree; copper nail and washer	839.13
Linn, 4.2 mi. SE. of, along State Highway 89, 3.1 mi. SE. of U.S. Highway 50, in SW 1/4 NW 1/4 sec. 33, T. 43 N., R. 8 W., 30 ft. E. of highway, 50 ft. N. of rd. E., in concrete post; standard tablet stamped "T T 10 T 1933 858"	857.847
Reference mark, 35 ft. W. of rd. forks, in root on SW. side of 12-in. oak tree; copper nail and washer	851.30
Linn, 3.1 mi. SE. of, along State Highway 89, 2 mi. SE. of U.S. Highway 50, 150 ft. NW. of Lone Star School, 50 ft. S. of junction of rd. SW., in root on W. side of 12-in. oak tree; copper nail and washer	881.60
Linn, 2 mi. SE. of, along State Highway 89, 0.9 mi. SE. of U.S. Highway 50, 45 ft. N. and 40 ft. W. from junction of private rd. E. to farmhouse, 15 ft. W. of fence, in root on S. side of 18-in. oak tree; copper nail and washer	928.57

7. NEAR CENTER OF QUADRANGLE, FROM UNITED STATES HIGHWAY 63 EAST THROUGH RICH FOUNTAIN TO STATE HIGHWAY 89

Rich Fountain, 2.2 mi. W. of, along rd. to U.S. Highway 63, 25 ft. S. and 15 ft. E. from junction of private rd. SW., 10 ft. SE. of mail box of J. H. Neumer, in root on NW. side of 30-in. oak tree; copper nail and washer	804.64
Rich Fountain, 1.2 mi. SW. of, 50 ft. N. and 10 ft. W. from rd. fork W., on NW. corner of abutment of concrete bridge over creek; chiseled square	622.77
Rich Fountain, in SW. cor. sec. 12, T. 42 N., R. 9 W., 66 ft. N. and 38 ft. W. from NW. corner of Ford garage, 22 ft. S. and 68 ft. E. from junction of rd. N. near post office, 4 ft. S. and 1 ft. E. from brick cornerpost, in concrete post; standard tablet stamped "T T 11 T 1933 612"	612.380
Reference mark, at T-rd. N., on concrete base of signpost; chiseled square	615.66

Rich Fountain, 1.1 mi. E. of, along rd. to State Highway 89, on SE. wing wall at SE. corner of small concrete bridge over drain; chiseled square	<u>Feet</u> 603.91
Rich Fountain, 2.7 mi. SE. of, along rd. to State Highway 89, 25 ft. N. and 75 ft. E. from dim rd. fork NW., on high bank, in root on S. side of 36-in. oak tree; copper nail and washer	604.41

8. FROM EAST BORDER OF QUADRANGLE NEAR KOENIG, SOUTHWEST TO STATE HIGHWAY 89

(Continued from Bland quadrangle; see line 4.)

Koenig, about 1 mi. SE. of, in SW 1/4 sec. 30, T. 42 N., R. 7 W., 20 ft. S. and 40 ft. W. from rd. fork W., in root on NW. side of 15-in. hickory tree; copper nail and washer	864.16
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9. FROM SOUTH BORDER OF QUADRANGLE, NORTH ALONG GASCONADE RIVER TO RICH FOUNTAIN BRIDGE (fourth-order leveling by E. O. Brooks in 1922)

(Continued from Vienna quadrangle; see line 11.)

Paydown Ford, 2.8 mi. N. of, on N. bank of Gasconade River, at mouth of slough, in root on W. side of 18-in. ash tree; copper nail and washer	583.49
Swear and Rogers Ford, on N. bank of Gasconade River, 600 ft. E. of shoal, in top of large boulder; standard tablet stamped "No 10 E B 1922"	582.059
Reference mark, 1 ft. SW. of tablet, on top of large boulder; chiseled square	582.16
Swear and Rogers Ford, 1 mi. W. of, on N. bank of Gasconade River, opposite mouth of drain from N., in root on S. side of 12-in. sycamore tree; copper nail and washer	579.90
Swear and Rogers Ford, 2 mi. W. of, on N. bank of Gasconade River, about 0.2 mi. W. of mouth of drain from N., in root on S. side of 12-in. elm tree; copper nail and washer	576.09
Swear and Rogers Ford, 3.2 mi. W. of, on W. bank at sharp bend in Gasconade River, in top of rock outcrop; standard tablet stamped "No 11 E B 1922"	575.857
Reference mark, 1 ft. S. of tablet, on top of rock outcrop; chiseled square	576.00
Hoops Ford, on W. bank of Gasconade River, 75 ft. N. of rd., in root on E. side of 24-in. sycamore tree; copper nail and washer	575.82
Hoops Ford, 1.6 mi. N. of, 1 mi. S. of Chicago, Rock Island & Pacific Ry. bridge over Gasconade River, on W. bank of river, in W. side of leaning 12-in. willow tree; copper nail and washer	574.35
Gascondy, 0.4 mi. W. of, 75 ft. S. of Chicago, Rock Island & Pacific Ry. bridge over Gasconade River, on W. bank of river, in top of large boulder; standard tablet stamped "No 12 E B 1922"	571.011
Reference mark, 6 ft. N. of tablet, on top of large boulder; chiseled square	572.04
U.S.C.E. B.M. designated "No 23"	
Copper bolt	651.750
Top of cap	655.840
Chicago, Rock Island & Pacific Ry. bridge over Gasconade River, 1.2 mi. N. of, on E. bank of river, at mouth of drain from E., 5 ft. S. of wire fence, in root on N. side of 24-in. elm tree; copper nail and washer	572.71
Daggetts Ford, 600 ft. N. of, on W. bank of Gasconade River, in root on E. side of 18-in. sycamore tree; copper nail and washer	568.35
Buck Elk Creek, 900 ft. N. of, on E. bank of Gasconade River, 8 ft. from edge of water, on top of rock outcrop; chiseled square	567.66
Buck Elk Creek, 1.1 mi. N. of, about 0.3 mi. below Big Hinchy Shoal, at edge of E. bank of Gasconade River, in top of large boulder; standard tablet stamped "No 13 E B 1922"	563.582
Reference mark, 20 ft. S. of tablet, in root on NE. side of 12-in. ash tree; copper nail and washer	565.09
Big Hinchy Shoal, 2 mi. NW. of, 0.2 mi. below bend in Gasconade River to N., at base of rock cliff, opposite mouth of Scotts Slough, in root on E. side of 12-in. sycamore tree; copper nail and washer	560.34
U.S.C.E. B.M. designated "No 14"	563.040
Rich Fountain Bridge over Gasconade River, 0.6 mi. S. of, on E. bank of river, 200 ft. below mouth of slough on opposite bank, on top of boulder at edge of water; chiseled square	557.07
Rich Fountain Bridge over Gasconade River, 100 ft. S. of E. end of E. approach, in NE. corner of yard of clubhouse, in top of large boulder; standard tablet stamped "No 14 E B 1922"	579.066
Reference mark, 3 ft. S. of tablet, on top of large boulder; chiseled square	579.19

For additional level lines along United States Highway 63 and Chicago, Rock Island & Pacific Ry., refer to United States Coast and Geodetic Survey first-order line, Cabool to Osage City; and second-order line, Eldon to Labadie.

	<u>Fee</u>
T. 46 N., R. 8 W., in NE 1/4 SE 1/4 sec. 35, 35 ft. S. of rd. forks, in root on NW. side of 24-in. hickory tree; copper nail and washer	531.87
U.S.C.E. B.M. designated "25/2"	
Top of cap	522.920

3. IN SOUTHEAST CORNER OF QUADRANGLE (by C. E. Reick in 1932)
(Continued from Linn quadrangle; see line 4.)

T. 43 N., R. 8 W., about 0.2 mi. E. of cor. secs. 1, 2, 11, and 12, 30 ft. N. and 30 ft. W. from State Highway 89 at rd. S., 43 ft. N. and 37 ft. E. from NE. corner of farmhouse of A. W. Baker, in concrete post; standard tablet stamped "T T 188 B 1932"	944.517
Reference mark, 340 ft. N. of tablet, on boulder; chiseled square	934.19
T. 43 N., R. 8 W., in NW 1/4 sec. 1, E. of State Highway 89, 80 ft. N. of rd. E., in root of 24-in. oak tree; copper nail	951.15
T. 44 N., R. 8 W., 0.2 mi. SW. of center sec. 36, W. of State Highway 89 at rd. NE., on boulder; chiseled square	931.66
Crook, 0.9 mi. S. of, along State Highway 89, in NE 1/4 sec. 26, T. 44 N., R. 8 W., on SE. corner of steel bridge; chiseled square	768.77
Crook, about 0.3 mi. N. of, 0.3 mi. E. of State Highway 89, about 0.2 mi. W. of quarter cor. between secs. 23 and 24, T. 44 N., R. 8 W., 40 ft. N. and 22 ft. E. from junction of rd. E., in concrete post; standard tablet stamped "T T 189 B 1932"	832.064
T. 44 N., R. 8 W., in NE 1/4 SE 1/4 sec. 24, 80 ft. SE. of rd. forks, in root of 24-in. oak tree; copper nail	926.33

(Continued in Morrison quadrangle; see line 2.)

4. EAST ALONG UNITED STATES HIGHWAY 50 NEAR SOUTH BORDER OF QUADRANGLE (by L. V. Johnson in 1932)
(Continued from Linn quadrangle; see line 2.)

Loose Creek, 0.7 mi. W. of, along U.S. Highway 50, in sec. 6, T. 43 N., R. 9 W., about 2.9 mi. E. of bridge over Osage River, near top of long grade from river valley, 50 ft. S. of cross rd., in concrete post; standard tablet stamped "T T 39 B 1932"	819.137
Reference mark, 12 ft. S. of cross rd., on concrete rim of pavement; chiseled square	820.31
Loose Creek, 0.5 mi. E. of, along U.S. Highway 50, on wing wall at NW. corner of concrete bridge over Loose Creek; chiseled square	668.00
Linn, 4.8 mi. W. of, along U.S. Highway 50, about 0.2 mi. E. of summit of hill, about 550 ft. E. of junction of private rd. S., 250 ft. W. of curve to SE., 25 ft. N. of highway, on S. head wall of concrete culvert; chiseled square	820.81

(Continued in Linn quadrangle; see line 2.)

5. FROM EAST BORDER OF QUADRANGLE, WEST AND SOUTH TO CROOK (by B. A. Barnes in 1934)
(Continued from Morrison quadrangle; see line 4.)

Chamois, 1.3 mi. E. of, along Missouri Pacific R.R., in NW 1/4 NE 1/4 sec. 12, T. 45 N., R. 8 W., on NW. corner of concrete base of semaphore; (mark not described)	536.92
Chamois, 0.6 mi. E. of, in NE 1/4 sec. 12, T. 45 N., R. 8 W., 44 ft. N. of rd., 37 ft. S. of S. rail of Missouri Pacific R.R., 65 ft. W. of NW. corner of head wall of concrete culvert, in concrete post; standard tablet stamped "T T 668 C W A 1934"	535.668
U.S.C. & G.S. B.M. designated "05"	535.580
Chamois, 0.5 mi. SW. of, along Chamois-Deer rd., in NW 1/4 NE 1/4 sec. 14, T. 45 N., R. 8 W., at first steel bridge S. of Chamois, on NE. concrete wall of bridge; chiseled square	541.57
Chamois, about 1.5 mi. SW. of, along Chamois-Deer rd., in SW 1/4 SW 1/4 sec. 14, T. 45 N., R. 8 W., on W. head wall of concrete culvert; chiseled square	572.93
Chamois, 2 mi. SW. of, along Chamois-Deer rd., 685 ft. S. and 570 ft. W. from W. sixteenth cor. between secs. 14 and 23, T. 45 N., R. 8 W., 20 ft. E. of rd., in fence corner, in concrete post; standard tablet stamped "T T 669 C W A 1934"	578.814
T. 45 N., R. 8 W., near quarter cor. between secs. 26 and 27, 400 ft. W. of dwelling of Ben McGraw, 12 ft. W. of rd., in root of 14-in. black-oak tree; copper nail and washer	796.84
Deer, 0.1 mi. S. of, in SE 1/4 NE 1/4 sec. 34, T. 45 N., R. 8 W., 150 ft. N. of NW. corner of schoolhouse, on SW. corner of concrete wall of bridge; chiseled square	595.70
Deer, about 0.8 mi. SE. of, 5.5 mi. S. of Chamois, in SW 1/4 sec. 35, T. 45 N., R. 8 W., 100 ft. S. and 35 ft. W. from rd. forks, in concrete post; standard tablet stamped "T T 670 C W A 1934"	785.694
Deer, about 1.2 mi. SE. of, in NE 1/4 NE 1/4 sec. 2, T. 44 N., R. 8 W., in root of 20-in. white-oak tree; copper nail and washer	908.82
T. 44 N., R. 8 W., center sec. 1, 70 ft. S. and 150 ft. W. from SW. corner of dwelling of Emery Matthew, 30 ft. W. of State Highway 89, 100 ft. W. of NW. corner of barn, in root of 12-in. black-oak tree; copper nail and washer	925.06
T. 44 N., R. 8 W., center sec. 11, 100 ft. S. of State Highway 89 at rd. W., on S. end of W. head wall of concrete culvert; chiseled square	921.48
T. 44 N., R. 8 W., near quarter cor. between secs. 13 and 14, 110 ft. S. and 50 ft. W. from State Highway 89 at rd. E., 30 ft. S. of highway, in root of 8-in. black-oak tree; copper nail and washer	927.76

Bradford triangulation sta., 2 mi. NW. of Mint Hill, 150 ft. (? 94 ft.) W. of State Highway 89, 59 ft. S. of S. side of large pond, on land owned by W. J. White, in concrete post; U.S.C. & G.S. standard disk	<u>Feet</u> 939.984
Reference mark 1, 89 ft. W. of sta., in concrete post; U.S.C. & G.S. standard disk	941.087
Reference mark 2, 127 ft. N. 6° W. of sta., in concrete post; U.S.C. & G.S. standard disk	940.410

6. FROM CROOK NORTHWEST TO ISBELL

Crook, 0.4 mi. NW. of, along State Highway 89, in N 1/2 sec. 23, T. 44 N., R. 8 W., at junction of rd., on W. end of N. head wall of concrete culvert; chiseled square	911.48
T. 44 N., R. 8 W., in SE 1/4 SE 1/4 sec. 22, 29 ft. S. and 36 ft. E. from T-rd. S., in root of 18-in. walnut tree; copper nail and washer	871.77
T. 44 N., R. 8 W., W. sixteenth cor. between secs. 22 and 27, SE. of T-rd. S. to Linn, in NW. corner of yard, in root of 30-in. mulberry tree; copper nail and washer	887.00
T. 44 N., R. 8 W., in SE 1/4 SE 1/4 sec. 21, 80 ft. N. and 15 ft. E. from Crook-Luystown rd., in root of 16-in. white-oak tree; copper nail and washer	848.60
T. 44 N., R. 8 W., quarter cor. between secs. 21 and 28, 2.5 mi. W. of Crook, 12 ft. W. of rd. corner from E.-N., 2 ft. W. of fence, in con- crete post; standard tablet stamped "T T 674 C W A 1934"	820.640
T. 44 N., R. 8 W., in SW 1/4 SE 1/4 sec. 21, 36 ft. W. of Crook-Luystown rd., on hillside, in root of 20-in. white-oak tree; copper nail and washer	826.38
T. 44 N., R. 8 W., in SW 1/4 NE 1/4 sec. 20, 130 ft. W. of rd. junction, 20 ft. N. of creek, 10 ft. S. of rd., in root of 36-in. white-oak tree; copper nail and washer	639.61
Luystown, in N 1/2 sec. 20, T. 44 N., R. 8 W., on bottom step of store building; chiseled square	613.36
T. 44 N., R. 8 W., in SW 1/4 NW 1/4 sec. 20, 60 ft. N. of ford across Big Loose Creek, 12 ft. E. of Linn-Luystown rd., 150 ft. S. of old mill, in root of 8-in. elm tree; copper nail and washer	601.32
T. 44 N., R. 8 W., in NW 1/4 NW 1/4 sec. 20, 50 ft. W. of junction of rd. S., 30 ft. S. of Frankenstein-Luystown rd., in root of 8-in. elm tree; copper nail and washer	611.70
T. 44 N., R. 8 W., in SW 1/4 SW 1/4 sec. 17, 1.1 mi. NW. of Luystown, 28 ft. N. of rd., 50 ft. N. and 165 ft. E. from NE. corner of dwelling of Ed Dill, in concrete post; standard tablet stamped "T T 675 C W A 1934"	628.753
T. 44 N., R. 8 W., in sec. 18, at gatepost, on SE. corner of concrete base of fence post; chiseled square	622.29
T. 44 N., R. 8 W., in NW 1/4 SW 1/4 sec. 18, 70 ft. S. of Big Loose Creek, 20 ft. W. of Frankenstein-Luystown rd., in root of 14-in. sycamore tree; copper nail and washer	598.11
Frankenstein, about 1 mi. W. of, in SE 1/4 SE 1/4 sec. 12, T. 44 N., R. 9 W., at top of hill, 30 ft. W. of rd., at curve, in root of 10-in. white-oak tree; copper nail and washer	796.53
Frankenstein, approximate cor. secs. 11, 12, 13, and 14, T. 44 N., R. 9 W., opposite SE. corner of schoolhouse, 65 ft. W. of rd. S., 18 ft. S. of rd. W., in root of 20-in. white-oak tree; copper nail and washer	787.46
Frankenstein, at W. edge of, on concrete step of porch of dwelling of F. J. Kever; chiseled square	802.07
Frankenstein, 0.3 mi. NW. of, S. sixteenth cor. sec. 11, T. 44 N., R. 9 W., at rd. forks, 15 ft. S. of rd., 40 ft. from rd. N., in root of 10-in. white-oak tree; copper nail and washer	775.96
Frankenstein, 0.4 mi. NW. of, in NW 1/4 SE 1/4 sec. 11, T. 44 N., R. 9 W., 10 ft. N. and 27 ft. E. from rd. forks, 2 ft. N. of fence, in concrete post; standard tablet stamped "T T 676 C W A 1934"	778.386
T. 44 N., R. 9 W., in SW 1/4 NW 1/4 sec. 11, 50 ft. N. of rd. junction, 30 ft. S. of rd. N., in root of 12-in. maple tree; copper nail and washer	756.86
T. 44 N., R. 9 W., in SE 1/4 SW 1/4 sec. 2, on S. end of W. concrete wall of small steel bridge; chiseled square	549.27
T. 44 N., R. 9 W., in NW 1/4 sec. 2, 50 ft. N. and 13 ft. W. from curve in rd., in root of 15-in. hickory tree; copper nail and washer	596.18
T. 44 N., R. 9 W., in NE 1/4 NE 1/4 sec. 3, on NE. corner of E. stone abutment of steel bridge over Big Loose Creek; chiseled square	539.24
T. 45 N., R. 9 W., in NE 1/4 SW 1/4 sec. 34, on center of N. head wall of concrete culvert; chiseled square	532.15
Isbell, 500 ft. E. of Missouri Pacific R.R. sta., near center sec. 34, T. 45 N., R. 9 W., on NW. corner of base of semaphore 1092-L; (mark not described)	547.27

7. FROM CHAMOIIS SOUTHWEST ALONG MISSOURI PACIFIC RAILROAD TO WEST
BORDER OF QUADRANGLE

Chamois, 1.2 mi. SW. of, along Missouri Pacific R.R., in SE 1/4 NE 1/4 sec. 10, T. 45 N., R. 8 W., on NW. corner of concrete base of signal box 1002-DR; (mark not described)	536.89
U.S.C.E. B.M. designated "87"	540.124
Top of cap	
Chamois, about 3.7 mi. SW. of, along Missouri Pacific R.R., in SW 1/4 sec. 17, T. 45 N., R. 8 W., on NW. corner of concrete base of signal box 1038-R; (mark not described)	540.21
U.S.C.E. B.M. designated "90=26/1"	543.739
Top of cap	

	<u>Feet</u>
St. Aubert, about 1 mi. SW. of, along Missouri Pacific R.R., in NE 1/4 sec. 24, T. 45 N., R. 9 W., on NW. corner of signal box 1064-R; chiseled square	543.30
St. Aubert, 2.1 mi. SW. of, along Missouri Pacific R.R., near center sec. 26, T. 45 N., R. 9 W., on NW. corner of concrete base of signal box 1077-L; chiseled square	545.22
Isbell, 1 mi. E. of, along Missouri Pacific R.R., in SW 1/4 sec. 26, T. 45 N., R. 9 W., near foot of bluff, 100 ft. S. of center of double track, 4 ft. S. of old R.R. grade, in abandoned concrete foundation for signal box; standard tablet stamped "T T 671 C W A 1934"	544.728
Isbell, NW. of Missouri-Pacific R.R. sta., on S. bank of Missouri River, in rock ledge; standard tablet (set by water-resources branch of U.S. Geol. Survey)	547.270
Isbell, 1.5 mi. SW. of, along Missouri Pacific R.R., in NW 1/4 sec. 4, T. 44 N., R. 9 W., on NW. corner of concrete base of signal box 1117-DL; chiseled square	548.00
Isbell, 1.8 mi. SW. of, along Missouri Pacific R.R., in N 1/2 sec. 4, T. 44 N., R. 9 W., 12 ft. S. of center of double track, in center of S. head wall of concrete culvert; standard tablet stamped "T T 672 C W A 1934"	543.861
Bonnots Mill, 1.2 mi. NE. of, along Missouri Pacific R.R., in SW 1/4 sec. 5, T. 44 N., R. 9 W., on NE. corner of concrete base of double signal towers 117-L and 117-R; chiseled square	545.28
Bonnots Mill, 386 ft. W. of SW. corner of Missouri Pacific R.R. sta., 50 ft. S. of track, in concrete post; standard tablet stamped "T T 673 C W A 1934"	544.130
T. 44 N., R. 10 W., near cor. secs. 11, 12, 13, and 14, on NE. corner of concrete base of Missouri Pacific R.R. double signal towers 1141-L and 1130-DH; chiseled square	547.84
U.S.C.E. B.M. designated "97" Top of cap	542.433

8. FROM BONNOTS MILL SOUTH TO LOOSE CREEK

T. 44 N., R. 9 W., in NW 1/4 SW 1/4 sec. 8, 320 ft. S. of T-rd. E., 45 ft. W. of rd., in root of 16-in. white-oak tree; copper nail and washer	784.68
T. 44 N., R. 9 W., in SE 1/4 SW 1/4 sec. 17, 35 ft. W. of County Route A, in root of 8-in. elm tree; copper nail and washer	757.06
T. 44 N., R. 9 W., near E.-W. center line sec. 19, 42 ft. N. of County Route A at top of hill, 10 ft. E. of lane to dwelling of H. Vosens, in root of 10-in. white-oak tree; copper nail and washer	873.68
T. 44 N., R. 9 W., in S 1/2 sec. 19, 2 mi. N. of Loose Creek, along County Route A, 60 ft. S. of SW. corner of transformer sta., 43 ft. N. of highway, 15 ft. E. of power line, in concrete post; standard tablet stamped "T T 677 C W A 1934"	843.323
T. 44 N., R. 9 W., in NW 1/4 SW 1/4 sec. 29, 65 ft. E. of County Route A, in root of 24-in. white-oak tree; copper nail and washer	846.23
T. 44 N., R. 9 W., in NW 1/4 sec. 32, 40 ft. W. of County Route A at curve, in root of 8-in. white-oak tree; copper nail and washer	850.34
Tps. 43 and 44 N., R. 9 W., approximate cor. secs. 5, 6, 31, and 32, 35 ft. N. and 10 ft. E. from junction of U.S. Highway 50 and County Route A, 5 ft. E. of telephone pole, in wooden stake; copper nail and washer	829.00

9. SOUTH ALONG WEST BORDER OF QUADRANGLE, INCLUDING THAT PART OF THE LINE IN JEFFERSON CITY NO. 4 QUADRANGLE (by W. V. Kennedy in 1937)

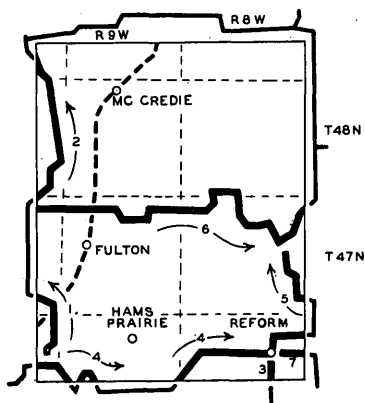
T. 46 N., R. 10 W., in NE 1/4 SE 1/4 sec. 21, 430 ft. below U.S. Highway 54 bridge over Little Auxvasse Creek, 95 ft. SW. of rd., 15 ft. N. of and 12 ft. above creek, in top of sandstone ledge; standard tablet stamped "7 B 1927"	674.326
Reference mark, 430 ft. NW. of tablet, at NE. corner of bridge, on top of guardrail; chiseled square	684.14
T. 46 N., R. 10 W., 0.2 mi. N. of quarter cor. between secs. 22 and 27, at SE. angle of T-rd. S., on top of E. head wall of concrete culvert; chiseled square	753.06
T. 46 N., R. 10 W., center of E 1/2 sec. 22, at NE. corner of T-rd. E., on top of E. head wall of concrete culvert; chiseled square	762.70
T. 46 N., R. 10 W., quarter cor. between secs. 23 and 24, 10 ft. S. and 20 ft. W. from T-rd. W., on W. end of S. concrete culvert; chiseled square	821.19
T. 46 N., R. 10 W., cor. secs. 23, 24, 25, and 26, 13 ft. S. and 17 ft. E. from T-rd. E., on S. head wall of concrete culvert; chiseled square	816.28
T. 46 N., R. 10 W., cor. secs. 25, 26, 35, and 36, 12 ft. N. and 20 ft. W. from T-rd. W., on center of N. head wall of concrete culvert; chiseled square	796.45
Dixie, 30 ft. N. and 20 ft. E. from quarter cor. between secs. 35 and 36, T. 46 N., R. 10 W., at NE. corner of T-rd. E., 4 ft. N. of corner fence post, in concrete post; standard tablet stamped "T T Sta No 2 M 1926"	817.677
Dixie, 0.5 mi. S. of, cor. secs. 1, 2, 35, and 36, Tps. 45 and 46 N., R. 10 W., 20 ft. S. and 10 ft. W. from T-rd. W., on center of W. head wall of concrete culvert; chiseled square	827.14
T. 45 N., R. 10 W., W. sixteenth cor. between secs. 1 and 12, 325 ft. N. and 10 ft. W. from T-rd. E., on W. head wall of concrete culvert; chiseled square	815.78
T. 45 N., R. 10 W., in NW 1/4 sec. 13, 65 ft. N. and 25 ft. W. from T-rd. E., in root on N. side of 5-in. oak tree; copper nail and washer	802.25
T. 45 N., R. 10 W., near center SW 1/4 sec. 13, 20 ft. S. and 15 ft. E. from T-rd. W., in root on E. side of 16-in. white-oak tree; copper nail and washer	807.14

T. 45 N., R. 10 W., near center sec. 24, 4 mi. S. and 0.4 mi. E. from Dixie, 48 ft. N. and 25 ft. E. from T-rd. E., 41 ft. W. of and in line with SW. corner of farmhouse, in concrete post; standard tablet stamped "T T Sta No 1 M 1926"	<u>Feet</u> 808.801
T. 45 N., R. 10 W., near center sec. 25, 75 ft. N. and 40 ft. W. from junction of rds. N., NE., and SE.; 250 ft. NW. of farmhouse of J. V. Williams, in root on N. side of 20-in. locust tree; copper nail and washer	607.30
T-rd. E., 140 ft. N. and 16 ft. E. from, on S. end of E. head wall of concrete culvert; chiseled square	554.77
T. 45 N., R. 10 W., in NE 1/4 NE 1/4 sec. 36, NW. pier of bridge over Little Murphy Creek, on top of rivet; chiseled cross	551.95
Rd. fork S., 30 ft. S. and 10 ft. E. from, on E. head wall of concrete culvert; chiseled square	550.39
Pres triangulation sta., in SW 1/4 sec. 31, T. 45 N., R. 9 W., about 170 ft. SW. of private rd., 65 ft. S. of S. corner of old dwelling of Pres Warfield, 6 ft. SE. of 14-in. mulberry tree; iron post stamped "Missouri River Commission"	726.699
Top of cap	
Cote sans Dessein, 1.1 mi. N. of store, near cor. Tps. 44 and 45 N., Rs. 9 and 10 W., at old location of High Hill Church, on W. side of small cemetery, 40 ft. NE. of rd., in root on SE. side of 32-in. white-oak tree; copper nail and washer	724.64
T-rd. W., 35 ft. N. and 35 ft. E. from, in NW. corner of yard of Oak Grove School, in root on W. side of 10-in. hickory tree; crossed nails	607.59
Cote sans Dessein, 600 ft. S. of store, in NW 1/4 sec. 7, T. 44 N., R. 9 W., 20 ft. SW. of Missouri-Kansas-Texas R.R. at rd. crossing, on E. end of S. head wall of concrete culvert; chiseled square	557.33

For additional level lines along north and south banks of Missouri River, refer to United States Coast and Geodetic Survey first-order lines, Twelve Miles Above St. Louis to Jefferson City and St. Louis to Jefferson City.

FULTON QUADRANGLE
(Latitude 38°45'-39°00'; longitude 91°45'-92°00')

Callaway County



1. NORTH ALONG SOUTH HALF OF WEST BORDER OF QUADRANGLE (by W. R. Broadus in 1927)

T. 46 N., R. 10 W., near S. sixteenth cor. sec. 12, 90 ft. S and 100 ft. W. from rd. forks, in root on SE. side of 18-in. walnut tree; copper nail and washer	789.33
T. 46 N., R. 10 W., quarter cor. between secs. 1 and 12, 65 ft. S. and 45 ft. W. from crossroads, in root on N. side of 20-in. maple tree; copper nail and washer	809.34
Fulton, 3.8 mi. SW. of, along U.S. Highway 54, near center of S 1/2 sec. 36, T. 47 N., R. 10 W., 165 ft. N. and 25 ft. E. from cross rd., in SW. corner of yard of Twin Church, in concrete post; standard tablet stamped "T T Sta No 4 M 1926"	861.238
Reference mark, 181 ft. N. of tablet, in root on W. side of 20-in. elm tree; copper nail and washer	863.17

2. NORTH ALONG NORTH HALF OF WEST BORDER OF QUADRANGLE

T. 48 N., R. 10 W., quarter cor. between secs. 25 and 36, 50 ft. N. and 3 ft. W. from T-rd. N., on top of W. head wall of concrete culvert; chiseled square	886.94
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	Feet
T. 48 N., R. 10 W., 800 ft. S. of quarter cor. between secs. 24 and 25, opposite farmhouse of H. T. Debo, 30 ft. W. of rd., in root on E. side of 30-in. white-oak tree; copper nail and washer	864.44
McCredie, 2 mi. S. and 2.5 mi. W. from, quarter cor. between secs. 13 and 24, T. 48 N., R. 10 W., 28 ft. N. and 20 ft. W. from crossroads, in SE. corner of yard of Christian Church, in concrete post; standard tablet stamped "T T Sta No 7 M 1926"	848.309
Reference mark, 30 ft. N. of tablet, in root on E. side of 30-in. white-oak tree; copper nail and washer	847.75
T. 48 N., R. 10 W., center sec. 12, SE. of U.S. Highway 40 at rd. S., on top of E. head wall of concrete culvert; chiseled square	884.44
Vivion School, 1 mi. E. of, center of NW 1/4 sec. 1, T. 48 N., R. 10 W., 22 ft. N. and 7 ft. W. from T-rd. S., 3 ft. N. and 3 ft. W. from T-fence N., in concrete post; standard tablet stamped "T T Sta No 8 M 1926"	893.767
Reference mark, 495 ft. S. of tablet, in root on N. side of 14-in. elm tree; copper nail and washer	897.11

3. FROM REFORM SOUTH TO SOUTH BORDER OF QUADRANGLE

Reform, 0.5 mi. S. of, quarter cor. between secs. 13 and 14, T. 46 N., R. 8 W., 360 ft. N. and 12 ft. E. from T-rd. E., in root on S. side of 14-in. locust tree; copper nail and washer	844.44
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(Continued in Mokane quadrangle; see line 2.)

4. EAST ALONG SOUTH BORDER OF QUADRANGLE (by M. J. Harden in 1927)

T. 46 N., R. 10 W., near center sec. 13, 228 ft. NE. of log dwelling, N. of dim rd., in root of large tree; copper nail and washer	661.14
T. 46 N., R. 9 W., in SW 1/4 sec. 18, 200 ft. NE. of New Haven Church, 97 ft. SW. of T-rd. E., in root of 8-in. white-oak tree; copper nail and washer	808.96

(For balance in Mokane quadrangle, see line 1.)

T. 46 N., R. 9 W., in SE 1/4 NE 1/4 sec. 19, in front of Pitcher's store, in root of 10-in. hickory tree; copper nail and washer	791.19
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(For balance in Mokane quadrangle, see line 1.)

T. 46 N., R. 8 W., in NW 1/4 NE 1/4 sec. 19, 65 ft. N. of rd. forks, 55 ft. S. of small stream, E. of rd., 2 ft. above ground, in root of large white-oak tree; copper nail and washer	551.16
T. 46 N., R. 8 W., in SE 1/4 NW 1/4 sec. 17, at W. end of approach to bridge over Auxvasse Creek, 10 ft. W. of SW. corner of dwelling of Edward Bradley, inside of yard near front gate, in concrete post; standard tablet stamped "P T Sta No 140 S 1927"	557.318
Reference mark, 32 ft. SE. of tablet, in root of large white-oak tree; copper nail and washer	557.54
T. 46 N., R. 8 W., in NE 1/4 sec. 17, at top of hill E. of bridge over Auxvasse Creek, N. of rd., in root of 18-in. hard-maple tree; copper nail and washer	698.35
Reform, 2 mi. W. of, near cor. secs. 9, 10, 15, and 16, T. 46 N., R. 8 W., 280 ft. E. of dwelling of A. L. Hampton, on N. guard wall of concrete culvert; chiseled square	805.26
Reform, 1 mi. W. of, cor. secs. 10, 11, 14, and 15, T. 46 N., R. 8 W., 27 ft. N. and 52 ft. E. from T-rd. S., 14 ft. N. of wire fence, in root of 30-in. wild-cherry tree; copper nail and washer	848.38
Reform, cor. secs. 11, 12, 13, and 14, T. 46 N., R. 8 W., 15 ft. N. and 31 ft. E. from crossroads, in concrete post; standard tablet stamped "P T Sta No 139 S 1927"	842.517
Reference mark, 27 ft. W. of tablet, on center of E. guard wall of concrete culvert; chiseled square	841.63
Reform, 1 mi. N. of, cor. secs. 1, 2, 11, and 12, T. 46 N., R. 8 W., 32 ft. S. of fence, on center of W. guard wall of concrete culvert; chiseled square	791.43
T. 46 N., R. 8 W., center sec. 1, 115 ft. E. of T-rd. N., on center of N. guard wall of concrete culvert; chiseled square	770.75
T. 46 N., R. 7 W., in NW 1/4 NW 1/4 sec. 6, 300 ft. NE. of square farmhouse, in root of large white-oak tree; copper nail and washer	761.14

(Continued in Mineola quadrangle; see line 1.)

5. FROM MIDDLE OF SOUTH HALF OF EAST BORDER OF QUADRANGLE, NORTHWEST TO POINT 1 MILE WEST OF YUCATAN

(Continued from Mineola quadrangle; see line 1.)

T. 47 N., R. 8 W., near center of NE 1/4 sec. 25, 86 ft. S. of rd. forks, at W. end of wire gate, in root on S. side of scrub white-oak tree; copper nail and washer	767.97
T. 47 N., R. 8 W., near quarter cor. between secs. 24 and 25, 150 ft. SW. of ford across Cow Creek, E. of rd., in small sycamore tree; copper nail and washer	644.47
T. 47 N., R. 8 W., in SW 1/4 sec. 24, 0.4 mi. W. of Cow Creek, at top of hill, W. of rd., 31 ft. E. of SE. corner of farmhouse of A. L. Hauer, in root of large cedar tree; copper nail and washer	742.31
T. 47 N., R. 8 W., in SW 1/4 sec. 13, 165 ft. E. of T-rd. S., 15 ft. N. of NW. corner of barn, in root of large black-oak tree; copper nail and washer	806.02

6. FROM CENTER OF WEST BORDER OF QUADRANGLE EAST TO EAST BORDER

	<u>Feet</u>
Fulton, 3 mi. NW. of, on line between secs. 1 and 6, T. 47 N., Rs. 9 and 10 W., 50 ft. N. and 20 ft. E. from T-rd. E., in root of large white-oak tree; copper nail and washer	853.97
Fulton, 1.8 mi. N. of, along U.S. Highway 54, thence 1 mi. W. from, quarter cor. between secs. 5 and 6, T. 47 N., R. 9 W., 32 ft. N. of T-rd. S., in yard of R. C. Dunlap, in root of 50-in. (?) maple tree; copper nail and washer	855.52
Fulton, 1.8 mi. N. of, along U.S. Highway 54, quarter cor. between secs. 4 and 5, T. 47 N., R. 9 W., 23 ft. S. and 65 ft. W. from cross rd., 2 ft. S. and 30 ft. W. from NE. corner of yard of St. Eunice's School, in concrete post; standard tablet stamped "T T Sta No 7 M 1927"	858.525
Reference mark, 50 ft. W. of tablet, in root of 18-in. elm tree; copper nail and washer	859.49
Fulton, 1.8 mi. N. of, along U.S. Highway 54, thence 1 mi. E. from, quarter cor. between secs. 3 and 4, T. 47 N., R. 9 W., 210 ft. W. of T-rd. W., on top of N. guard wall of concrete culvert; chiseled square	782.11
Fulton, 2 mi. NE. of, near quarter cor. between secs. 3 and 10, T. 47 N., R. 9 W., 210 ft. W. of rd. forks, on center of N. guard wall of concrete bridge over Dunlap Creek; chiseled square	752.67
T. 47 N., R. 9 W., 430 ft. W. of cor. secs. 2, 3, 10, and 11, S. of rd., on SE. corner of concrete culvert; chiseled square	742.00
T. 47 N., R. 9 W., near E. sixteenth cor. between secs. 2 and 11, 27 ft. N. of T-rd. S., in concrete post; standard tablet stamped "T T No 8 M 1927"	779.725
Reference mark, 395 ft. W. of tablet, in root of 12-in. walnut tree; copper nail and washer	786.32
T. 47 N., R. 9 W., in S 1/2 sec. 1, on top of NW. circular pier of steel bridge over Crows Fork Creek; top of rivet	657.30
Crows Fork Creek, under bridge; surface of water at 11 a.m. Apr. 15, 1927	543.3
T. 47 N., R. 9 W., center of SE 1/4 sec. 1, at T-rd. S., on center of N. guard wall of concrete culvert; chiseled square	715.47
T. 47 N., R. 8 W., in S 1/2 sec. 6, on top of SE. concrete pier of steel bridge over Dyers Branch; chiseled square	663.94
T. 47 N., R. 8 W., in W 1/2 sec. 5, at T-rd. W., 16 ft. S. of Potts' blacksmith shop, in root of large white-oak tree; copper nail and washer	814.78
T. 47 N., R. 8 W., in SE 1/4 NW 1/4 sec. 4, 25 ft. S. and 29 ft. W. from T-rd. W., in root of 6-in. hard-maple tree; copper nail and washer	805.52
T. 47 N., R. 8 W., N. quarter cor. sec. 4, 77 ft. N. and 25 ft. W. from junction of rd. SE., 54 ft. N. of NE. corner of Fairview Church, in SE. corner of front yard of J. A. Linton, in concrete post; standard tablet stamped "T T Sta No 9 M 1927"	808.328
Reference mark, 134 ft. S. and 40 ft. E. from tablet, on W. end of concrete culvert; chiseled square	804.93
T. 47 N., R. 8 W., near cor. secs. 3, 4, 9, and 10, 60 ft. S. and 30 ft. E. from rd. forks, in root of small black-oak tree; copper nail and washer	778.73
T. 47 N., R. 8 W., in NE 1/4 sec. 10, at top of SW. circular pier of steel bridge over Auxvasse Creek; top of center rivet of pierplate	592.47
Auxvasse Creek, under bridge; surface of water at 2 p.m. Apr. 20, 1927	579.8
Brooks School, in NE 1/4 sec. 11, T. 47 N., R. 8 W., 500 ft. NE. of schoolhouse, 18 ft. W. of rd. forks, in root of 6-in. white-oak tree; copper nail and washer	767.08
T. 47 N., R. 8 W., in SW 1/4 sec. 12, 38 ft. N. and 58 ft. E. from T-rd. E., about 20 ft. N. of bank, in root of 6-in. white-oak tree; copper nail and washer	776.19
Yucatan, 1 mi. W. of, in NW 1/4 sec. 13, T. 47 N., R. 8 W., 30 ft. S. and 10 ft. E. from junction of rd. S., in triangle formed by rd. forks, in concrete post; standard tablet stamped "T T Sta No 10 M 1927"	792.066
Reference mark, 36 ft. N. of tablet, in root of 12-in. black-oak tree; copper nail and washer	791.09

(Continued in Mineola quadrangle; see line 2.)

7. FROM EAST BORDER OF QUADRANGLE WEST TO REFORM (by J. H. Vinyard in 1935)

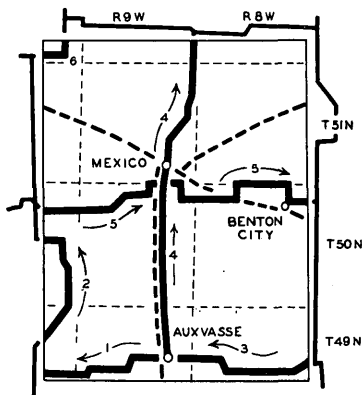
(Continued from Mineola quadrangle; see line 6.)

Reform, 1.5 mi. E. of, near quarter cor. between secs. 7 and 18, T. 46 N., R. 7 W., 250 ft. NE. of T-rd. S., in field, in root of 40-in. oak tree; copper nail and washer	812.35
Reform, 0.8 mi. E. of, E. sixteenth cor. between secs. 12 and 13, T. 46 N., R. 8 W., at lane S., on N. head wall of culvert; chiseled square	814.50

For an additional level line along Alton R.R. and U.S. Highway 54, refer to United States Coast and Geodetic Survey second-order line, Mexico to Eldon.

MEXICO QUADRANGLE
(Latitude 39°00'-39°15'; longitude 91°45'-92°00')

Audrain and Callaway Counties



1. FROM AUXVASSE WEST TO SOUTHWEST CORNER OF QUADRANGLE (by W. R. Broadus in 1927)

	Feet
Auxvasse, about 1.2 mi. W. of, cor. secs. 15, 16, 21, and 22, T. 49 N., R. 9 W., 5 ft. S. and 6 ft. W. from rd. corner E.-S., in root on E. side of 16-in. hickory tree; copper nail and washer	837.31
Auxvasse, 0.2 mi. S. and 1.7 mi. W. from, near N. sixteenth cor. sec. 21, T. 49 N., R. 9 W., 90 ft. E. of rd. junction, 15 ft. S. of rd., in root on N. side of 24-in. red-oak tree; copper nail and washer	810.41
Auxvasse, 0.5 mi. S. and 2.2 mi. W. from, quarter cor. between secs. 20 and 21, T. 49 N., R. 9 W., 15 ft. S. and 100 ft. W. from T-rd. S., in root on N. side of 20-in. elm tree; copper nail and washer	891.29
Auxvasse, 0.5 mi. S. and 2.7 mi. W. from, center sec. 20, T. 49 N., R. 9 W., 193 ft. E. of T-rd. S., on top of N. head wall of concrete culvert; chiseled square	897.07
Auxvasse, 0.5 mi. S. and 3.8 mi. W. from, near center sec. 19, T. 49 N., R. 9 W., 28 ft. N. and 10 ft. E. from tangents of rd. S.-E., in concrete post; standard tablet stamped "T T Sta No 1 M 1927"	862.869
Reference mark, 275 ft. S. 75° E. of tablet, on top of N. head wall of concrete culvert; chiseled square	859.44
T. 49 N., R. 9 W., near quarter cor. between secs. 19 and 30, 100 ft. N. and 10 ft. E. from crossroads, on top of E. head wall of concrete culvert; chiseled square	842.03
T. 49 N., R. 10 W., quarter cor. between secs. 24 and 25, 24 ft. W. of T-rd. E., in root on E. side of 12-in. locust tree; copper nail and washer	875.68

2. NORTH NEAR MIDDLE OF SOUTH HALF OF WEST BORDER OF QUADRANGLE

T. 50 N., P. 10 W., in SW 1/4 SW 1/4 sec. 36, on Audrain-Callaway county line, at NE. corner of T-rd. N., on head wall of concrete culvert; chiseled square	883.15
T. 50 N., R. 10 W., cor. secs. 25, 26, 35, and 36, 10 ft. N. and 15 ft. W. from T-rd. E., in root on NE. side of 18-in. black-oak tree; copper nail and washer	900.16
T. 50 N., R. 10 W., E. sixteenth cor. sec. 23, 250 ft. W. of rd. corner, 70 ft. W. of bridge, 15 ft. N. of rd., in root on S. side of 24-in. red-oak tree; copper nail and washer	859.23

3. FROM EAST BORDER OF QUADRANGLE WEST ALONG SOUTH BORDER TO AUXVASSE (by W. R. Broadus in 1927 and D. W. Weber in 1929)
(Continued from Wellsville quadrangle; see line 1.)

T. 49 N., R. 8 W., cor. secs. 13, 14, 23, and 24, at NE. corner of crossroads, on top of E. head wall of concrete culvert; chiseled square	814.69
T. 49 N., R. 8 W., W. sixteenth cor. between secs. 14 and 23, at NE. corner of T-rd. E., on top of N. head wall of concrete culvert; chiseled square	836.49
T. 49 N., R. 8 W., center of NW 1/4 sec. 22, 20 ft. W. of T-rd. S., in root on S. side of 15-in. hedge tree; copper nail and washer	845.53
T. 49 N., R. 8 W., E. sixteenth cor. between secs. 16 and 21, 20 ft. N. and 17 ft. E. from T-rd. W., in root on N. side of 16-in. hedge tree; copper nail and washer	841.67
Auxvasse, 3.8 mi. E. of, cor. secs. 16, 17, 20, and 21, T. 49 N., R. 8 W., 18 ft. S. of T-rd. N., in concrete post; standard tablet stamped "T T Sta No 3 M 1927"	802.862
Reference mark, 27 ft. N. 30° E. of tablet, on top of E. head wall of concrete culvert; chiseled square	803.26

Auxvasse, 3.2 mi. E. of, about 0.2 mi. W. of quarter cor. between secs. 17 and 20, T. 49 N., R. 8 W., 450 ft. E. of T-rd. S., on top of N. head wall of concrete culvert; chiseled square	Feet 831.52
Auxvasse, about 2.5 mi. E. of, about 0.3 mi. W. of cor. secs. 17, 18, 19, and 20, T. 49 N., R. 8 W., on top of S. head wall of concrete culvert; chiseled square	826.33
Auxvasse, about 1.5 mi. E. of, E. sixteenth cor. between secs. 13 and 24, T. 49 N., R. 9 W., at SW. corner of crossroads, on top of S. head wall of concrete culvert; chiseled square	839.28
Auxvasse, 0.6 mi. E. of, 840 ft. W. of cor. secs. 13, 14, 23, and 24, T. 49 N., R. 9 W., on top of S. head wall of concrete culvert; chiseled square	841.40
Auxvasse, 25 ft. N. and 40 ft. E. from intersection of Main Street and Harrison Avenue, 9 ft. S. of SW. corner of shop of Peach Martin, in sidewalk; standard tablet stamped "T T Sta No 2 M 1927"	869.716
Reference mark, 95 ft. S. 80° W. of tablet, on top of S. end of concrete base of filling sta. pump; chiseled square	871.84
Auxvasse, 300 ft. N. of Alton R.R. sta., at rd. crossing; top of rail	872.9

4. FROM AUXVASSE NORTH THROUGH CENTER OF QUADRANGLE TO NORTH BORDER
(by D. W. Weber in 1929)

Auxvasse, 1 mi. N. of, along U.S. Highway 54, in SW 1/4 sec. 11, T. 49 N., R. 9 W., 225 ft. N. and 30 ft. E. from junction of rd. E., on top of concrete right-of-way post; chiseled square	860.39
Auxvasse, 2 mi. N. of, along U.S. Highway 54, in SW 1/4 sec. 12, T. 49 N., R. 9 W., at E. side of SW. wing wall of concrete bridge over Smith Branch, 4 ft. from corner on top of bottom ledge; chiseled square	812.42
Auxvasse, 3 mi. N. of, along U.S. Highway 54, on line between secs. 2 and 35, Tps. 49 and 50 N., R. 9 W., on Audrain-Callaway county line, 25 ft. N. and 45 ft. E. from cross rd., in concrete post; standard tablet stamped "T T Sta No 43 F 1928"	821.714
Reference mark, 450 ft. S. of tablet, on center of first wall of concrete culvert; chiseled square	811.96
Auxvasse, 4.1 mi. N. of, along U.S. Highway 54, at W. side of concrete bridge, 71 ft. N. of S. end, on top of bottom ledge of concrete baluster; chiseled square	807.07
Auxvasse, 5.1 mi. N. of, along U.S. Highway 54, 500 ft. N. of junction of rd. W., 12 ft. E. of highway at curve, on top of N. end of concrete culvert; chiseled square	821.37
Auxvasse, 6 mi. N. of, along U.S. Highway 54, 4.5 mi. S. of Mexico, in NW 1/4 sec. 23, T. 50 N., R. 9 W., 30 ft. N. and 53 ft. E. from junction of rd. E., in concrete post; standard tablet stamped "T T Sta No 44 F 1928"	793.117
Mexico, 3.5 mi. S. of, along U.S. Highway 54, in NW 1/4 sec. 14, T. 50 N., R. 9 W., 30 ft. S. and 182 ft. W. from cross rd., 2 ft. S. of fence, in root on NE. side of 24-in. maple tree; copper nail and washer	846.84
Mexico, 2.5 mi. S. of, along U.S. Highway 54, in NW 1/4 sec. 11, T. 50 N., R. 9 W., 10 ft. E. of highway, on top of head wall of concrete culvert; chiseled square	815.38
Mexico, 2 mi. S. of, along U.S. Highway 54, thence 0.1 mi. E. from, in SW 1/4 sec. 2, T. 50 N., R. 9 W., 10 ft. S. and 18 ft. E. from iron gate, in root on N. side of 24-in. hickory tree; copper nail and washer	801.06
Mexico, 1.5 mi. S. of, along U.S. Highway 54, in S 1/2 sec. 35, T. 51 N., R. 9 W., 400 ft. N. of junction of rd. E., 9 ft. E. of highway, on top at center of concrete culvert; chiseled square	791.71
Mexico, 25 ft. S. and 21 ft. E. from intersection of Clark Street and boulevard, in root on W. side of 24-in. maple tree; copper nail and washer	808.39
Mexico, 60 ft. S. and 25 ft. W. from sidewalk intersection at NE. corner of courthouse yard, 5 ft. E. of Morris Monument, in concrete post; standard tablet stamped "T T Sta No 45 F 1928"	800.543
Reference mark, 40 ft. S. of tablet, at base of flagpole; top of horse-shoe	800.79
Mexico, 1 mi. N. of, in NE 1/4 sec. 23, T. 51 N., R. 9 W., 22 ft. S. and 120 ft. E. from T-rd. E., in fence line, in root on N. side of 18-in. elm tree; copper nail and washer	773.79
Mexico, 2 mi. N. of, in SW 1/4 sec. 13, T. 51 N., R. 9 W., 800 ft. N. of rd. forks, 15 ft. E. of rd., on top at center of concrete culvert; chiseled square	740.25
Mexico, 2.9 mi. NE. of, in NE 1/4 sec. 13, T. 51 N., R. 9 W., 30 ft. S. and 10 ft. E. from junction of rd. N., in concrete post; standard tablet stamped "T T Sta No 46 F 1928"	783.299
Reference mark, 500 ft. E. of tablet, on S. head wall of concrete culvert; chiseled square	779.87
Mexico, 3.5 mi. N. and 1 mi. E. from, in NW 1/4 sec. 7, T. 51 N., R. 8 W., 9 ft. E. of rd., on top at center of concrete culvert; chiseled square	777.03
Mexico, 4 mi. N. and 0.5 mi. E. from, in SW 1/4 sec. 6, T. 51 N., R. 8 W., 600 ft. N. of T-rd. E., 9 ft. E. of rd., on top of head wall of concrete culvert; chiseled square	783.95
Mexico, 5 mi. N. and 0.5 mi. E. from, cor. Tps. 51 and 52 N., Rs. 8 and 9 W., 96 ft. S. and 6 ft. W. from T-rd. E., at small jog in crossroads in root on W. side of 30-in. poplar tree; copper nail and washer	780.93

5. EAST THROUGH CENTER OF QUADRANGLE

T. 50 N., R. 10 W., in NW 1/4 sec. 13, 12 ft. S. of rd., on top of head wall of concrete culvert; chiseled square	867.19
T. 50 N., R. 9 W., on line between secs. 7 and 18, near T-rd. S., 150 ft. S. of rd., in root on S. side of 30-in. maple tree; copper nail and washer	865.65

T. 50 N., R. 9 W., in SW. cor. sec. 8, near SW. corner of yard of W. R. Bradley, 32 ft. N. of rd., in root on S. side of 28-in. maple tree; copper nail and washer	<u>Feet</u> 852.91
T. 50 N., R. 9 W., near NE. cor. sec. 17, 12 ft. S. of rd., on top of head wall of concrete culvert; chiseled square	841.96
T. 50 N., R. 9 W., 600 ft. W. of quarter cor. between secs. 9 and 16, 60 ft. S. and 115 ft. E. from S. entrance of Cedar Grove School, 15 ft. N. and 25 ft. E. from T-rd. N., in concrete post; standard tablet stamped "T T Sta No 29 M 1926"	813.417
Reference mark, 150 ft. N. 22° W. of tablet, in schoolyard, in root on SE. side of tree; copper nail and washer	811.22
T. 50 N., R. 9 W., in SE. cor. NE 1/4 sec. 9, 30 ft. N. and 84 ft. W. from T-rd. S., in hedge fence line, in root on S. side of 15-in. tree; copper nail and washer	829.70
T. 50 N., R. 9 W., center of NW 1/4 sec. 15, 18 ft. N. of small wooden culvert, in root on S. side of 24-in. red-oak tree; copper nail and washer	815.18
Mexico, 2 mi. S. of, along U.S. Highway 54, thence 0.7 mi. E. from, in SE 1/4 sec. 2, T. 50 N., R. 9 W., 6 ft. S. and 150 ft. W. from T-rd. W., on top of S. head wall of concrete culvert; chiseled square	775.79
Mexico, 2 mi. S. and 1.2 mi. E. from, 210 ft. N. and 25 ft. E. from quarter cor. between secs. 1 and 12, T. 50 N., R. 9 W., 11 ft. S. and 40 ft. W. from entrance to Washington School, in concrete post; standard tablet stamped "T T Sta No 28 M 1926"	810.475
Reference mark, 60 ft. N. 85° E. of tablet, at pump; chiseled square	810.39
Mexico, 2.5 mi. S. and 1.5 mi. E. from, E. sixteenth cor. sec. 12, T. 50 N., R. 9 W., 8 ft. S. and 32 ft. E. from T-rd. S., on top of head wall of concrete culvert; chiseled square	807.04
Mexico, 2.5 mi. S. and 2.5 mi. E. from, E. sixteenth cor. sec. 7, T. 50 N., R. 8 W., 19 ft. S. and 10 ft. W. from crossroads, on top of concrete culvert; chiseled square	816.86
Benton City, 0.5 mi. S. and 3.1 mi. W. from, center sec. 8, T. 50 N., R. 8 W., in front of Liberty School, 30 ft. N. and 150 ft. E. from T-rd. N., in root on S. side of 20-in. oak tree; copper nail and washer	774.45
Benton City, 2.2 mi. W. of, W. sixteenth cor. between secs. 4 and 9, T. 50 N., R. 8 W., 30 ft. S. and 150 ft. E. from T-rd. S., in root on NW. side of 33-in. oak tree; copper nail and washer	817.44
Benton City, 2 mi. W. of, cor. secs. 3, 4, 9, and 10, T. 50 N., R. 8 W., 20 ft. N. and 23 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 27 M 1926"	823.276
Reference mark, 40 ft. S. of tablet, on top of concrete culvert; chiseled square	823.93
Benton City, 1 mi. W. of, on line between secs. 3 and 10, T. 50 N., R. 8 W., 35 ft. N. and 100 ft. E. from gate, in root on S. side of fourth ash tree from SE. corner of yard of dwelling; copper nail and washer	818.27
Benton City, 900 ft. E. of Wabash Ry. sta., 132 ft. N. and 42 ft. W. from rd. crossing, 3 ft. S. of picket fence, in root on N. side of maple tree; copper nail and washer	821.21

6. IN NORTHWEST CORNER OF QUADRANGLE

Skinner, 1.5 mi. S. of, quarter cor. between secs. 35 and 36, T. 52 N., R. 10 W., 95 ft. N. and 15 ft. W. from T-rd. W., in root on E. side of twin honey-locust tree; copper nail and washer	823.66
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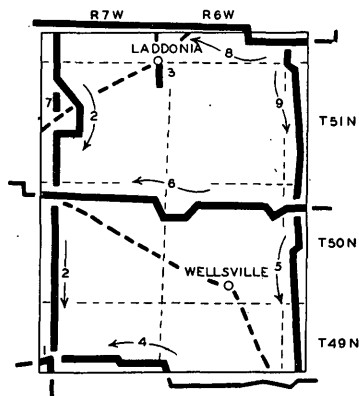
7. LINE TO DETERMINE ELEVATION OF WATER-RESOURCES GAGE ABOUT 2 MILES NORTHWEST OF MEXICO (by B. A. Barnes in 1935)

U.S.C. & G.S. standard disk stamped "Q 125 1935"	768.811
Mexico, 2 mi. NW. of, along State Highway 22, in NE 1/4 SE 1/4 sec. 21, T. 51 N., R. 9 W., 125 ft. below Alton R.R. bridge, in top of upstream end of W. abutment of bridge over Davis Creek; standard tablet (set by water-resources branch of U.S. Geol. Survey)	750.238

For additional level lines along Wabash Ry. and Alton R.R., refer to United States Coast and Geodetic Survey second-order lines, Hurdland to St. Charles, Mexico to Eldon, and Louisiana to Mexico.

WELLSVILLE QUADRANGLE
(Latitude 39°00'-39°15'; longitude 91°30'-91°45')

Audrain, Callaway, and Montgomery Counties



1. IN SOUTHWEST CORNER OF QUADRANGLE (by W. R. Broadus in 1927)
(Continued from Mineola quadrangle; see line 3.)

	Feet
T. 49 N., Rs. 7 and 8 W., 340 ft. N. of cor. secs. 19, 24, 25, and 30, 20 ft. N. and 20 ft. E. from rd. corner, on top of large, concrete, corner fence post; chiseled square	838.53
T. 49 N., R. 8 W., E. cor. secs. 13 and 24, 5 ft. S. and 14 ft. E. from, 13 ft. E. of T-rd. W., in concrete post; standard tablet stamped "T T Sta No 4 M 1927"	755.318
Reference mark, 96 ft. S. of tablet, on top of N. head wall of concrete culvert; chiseled square	748.51

(Continued in Mexico quadrangle; see line 3.)

2. SOUTH ALONG WEST BORDER OF QUADRANGLE, INCLUDING THAT PART OF THE LINE IN FARBER QUADRANGLE (by D. W. Weber in 1929)

Worcester, 1.5 mi. S. and 0.8 mi. E. from, in SE. cor. sec. 25, T. 52 N., R. 8 W., 20 ft. N. and 23 ft. W. from T-rd. W., 55 ft. S. and 23 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T Sta No 23 M 1926"	758.414
Reference mark, 800 ft. S. of tablet, in yard, in root on S. side of 20-in. maple tree; copper nail and washer	773.94
Rush Hill, 2 mi. N., thence 1 mi. W. from, in NE. cor. sec. 1, T. 51 N., R. 8 W., 8 ft. S. and 18 ft. W. from T-rd. N., on top of concrete pipe; chiseled square	783.05
Rush Hill, 1.2 mi. W., thence 1 mi. N. from, 0.2 mi. W. of cor. secs. 1, 6, 7, and 12, T. 51 N., Rs. 7 and 8 W., 22 ft. N. of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 24 M 1926"	778.652
Reference mark, about 0.2 mi. S. of tablet, on top of W. head wall of concrete culvert; chiseled square	762.51
Rush Hill, 1 mi. W. of, in NE. cor. sec. 13, T. 51 N., R. 8 W., on top of SW. wing wall of small steel bridge; chiseled square	756.50
Rush Hill, 1 mi. W., thence 1 mi. S. from, in NW 1/4 sec. 19, T. 51 N., R. 7 W., 70 ft. S. and 36 ft. E. from T-fence E., in root on W. side of 24-in. hickory tree; copper nail and washer	765.41
Rush Hill, 1 mi. W., thence 1.8 mi. S. from, about 0.2 mi. S. of quarter cor. between secs. 19 and 24, T. 51 N., Rs. 7 and 8 W., 25 ft. S. and 22 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 25 M 1926"	797.508
Reference mark, 70 ft. NE. of tablet, in root on S. side of locust tree; copper nail and washer	798.25
Rush Hill, 1 mi. W., thence 3 mi. S. from, in SE. cor. sec. 25, T. 51 N., R. 8 W., 252 ft. N. and 6 ft. W. from U.S. Highway 54 at cross rd., on top of W. head wall of concrete culvert; chiseled square	790.56
Rush Hill, 1 mi. W., thence 4 mi. S. from, 1 mi. E., thence 1 mi. N. from Benton City, 0.2 mi. S. of cor. Tps. 50 and 51 N., Rs. 7 and 8 W., 15 ft. W. of rd., in root on NE. side of 20-in. maple tree; copper nail and washer	806.59
Benton City, 1 mi. E. of, in NE. cor. sec. 12, T. 50 N., R. 8 W., 56 ft. S. and 20 ft. E. from T-rd. W., 46 ft. N. and 20 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T Sta No 26 M 1926"	809.341
Benton City, 1 mi. E., thence 1 mi. S. from, in SE. cor. sec. 12, T. 50 N., R. 8 W., 36 ft. N. and 24 ft. W. from T-rd. W., in root on W. side of 12-in. hedge tree; copper nail and washer	822.54
Benton City, 1 mi. E., thence 2 mi. S. from, in NW. cor. sec. 19, T. 50 N., R. 7 W., 105 ft. S. and 10 ft. W. from T-rd. W., 20 ft. N. and 3 ft. E. from T-fence E., in concrete post; standard tablet stamped "T T Sta No 6 M 1927"	817.551

Benton City, 1 mi. E. and 3 mi. S. from, in NW. cor. sec. 25, T. 50 N., R. 8 W., 1 1/4 ft. S. and 72 ft. W. from T-fence N., 300 ft. NW. of large barn, in root on W. side of 36-in. oak tree; copper nail and washer	Feet 853.45
Benton City, 1.5 mi. E. and 4 mi. S. from, quarter cor. between secs. 30 and 31, T. 50 N., R. 7 W., 12 ft. N. and 42 ft. E. from T-rd. S., on NE. concrete wing wall of small steel bridge; chiseled square	783.04
Benton City, 1 mi. E. and 5 mi. S. from, near cor. Tps. 49 and 50 N., Rs. 7 and 12 W., on Audrain-Callaway county line, 300 ft. N. of rd. fork W., 12 ft. S. and 6 ft. E. from cross fence, near rd. corner S.-E., in concrete post; standard tablet stamped "T T Sta No 5 M 1926"	803.773 801.32
Reference mark, 110 ft. S. of tablet; chiseled square	
Benton City, 1 mi. E. and 6 mi. S. from, in SW. cor. sec. 6, T. 49 N., R. 7 W., 9 ft. E. of rd., 50 ft. N. of fence corner, on top of concrete culvert; chiseled square	837.69
Benton City, 1 mi. E. and 7 mi. S. from, 8 ft. W. of rd., on top of SW. wing wall of concrete bridge over Harrison Creek; chiseled square	775.80

3. FROM LADDONIA SOUTH ABOUT 3 MILES ALONG UNITED STATES HIGHWAY 54
(by B. A. Barnes in 1935)

U.S.C. & G.S. standard disk stamped "B 138 1935"	779.710
T. 51 N., R. 7 W., 300 ft. N. of cor. secs. 1, 2, 11, and 12, 30 ft. S. of U.S. Highway 54 at lane W. to dwelling, on E. head wall of concrete culvert; chiseled square	777.89
T. 51 N., R. 7 W., S. sixteenth cor. between secs. 11 and 12, on U.S. Highway 54, on S. head wall of concrete culvert under lane E. to dwelling; chiseled square	783.09
Junction of rd. E., on center of S. head wall of concrete culvert; chiseled square	758.03
Laddonia, 3 mi. S. of, along U.S. Highway 54, in SW 1/4 NW 1/4 sec. 13, T. 51 N., R. 7 W., in top of upstream end of N. pier of bridge over West Fork of Cuivre River; standard tablet (set by water-resources branch of U.S. Geol. Survey)	746.509

4. WEST ALONG WEST HALF OF SOUTH BORDER OF QUADRANGLE (by C. P. Thompson in 1935)
(Continued from Mineola quadrangle; see line 7.)

T. 49 N., R. 7 W., quarter cor. between secs. 14 and 23, 245 ft. S. and 15 ft. E. from T-rd. W., on center of E. head wall of concrete culvert; chiseled square	683.26
T. 49 N., R. 7 W., quarter cor. between secs. 15 and 22, 32 ft. N. of rd. at fence N., in root on SW. side of 30-in. elm tree; copper nail and washer	766.26
Shamrock, 0.8 mi. N. of, cor. secs. 15, 16, 21, and 22, T. 49 N., R. 7 W., 50 ft. S. and 30 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 1 F 1928"	802.402
Shamrock, 0.8 mi. N., thence 1 mi. W. from, cor. secs. 16, 17, 20, and 21, T. 49 N., R. 7 W., 53 ft. S. and 33 ft. E. from bridge over branch, in root on NW. side of 10-in. walnut tree; copper nail and washer	711.32
Shamrock, 0.8 mi. N., thence 2.1 mi. W. from, line between secs. 18 and 19, T. 49 N., R. 7 W., 550 ft. E. of County Route B at cross rd., 13 ft. N. of highway, on center of N. head wall of concrete culvert; chiseled square	726.86

5. SOUTH ALONG SOUTH HALF OF EAST BORDER OF QUADRANGLE (by T. G. Drummond in 1935)

Middletown, 4.8 mi. W. of, cor. secs. 5, 6, 7, and 8, T. 50 N., R. 5 W., 20 ft. N. and 20 ft. E. from crossroads, inside fence, in concrete post; standard tablet stamped "T T Sta No 7 S 1927"	782.509
Reference mark, 60 ft. N. and 12 ft. E. from tablet, in root on S. side of 20-in. maple tree; copper nail and washer	782.39
T. 50 N., R. 5 W., in SW 1/4 sec. 8, on top of wing wall of bridge over Coon Creek; chiseled square	721.45
Top of ridge, 250 ft. S. of, 20 ft. W. of rd., in root of triple wild-cherry tree; copper nail and washer	751.36
T. 50 N., R. 5 W., near center of SW 1/4 sec. 17, about 700 ft. N. of T-rd. N., 15 ft. W. of rd., on concrete culvert; chiseled square	779.00
T-rd. N., 40 ft. N. and 27 ft. W. from, in root on S. side of 30-in. locust tree; copper nail and washer	809.70
T. 50 N., R. 5 W., about 400 ft. S. of quarter cor. between secs. 19 and 20, 8 ft. W. of rd., on W. end of N. abutment of concrete bridge; chiseled square	775.18
T. 50 N., R. 5 W., cor. secs. 19, 20, 29, and 30, 3.5 mi. E., thence 1 mi. N. from Wellsville, 25 ft. N. and 30 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T Sta No 7 F 1928"	791.753
Reference mark, 285 ft. W. of T-rd. E., in root on N. side of 18-in. hickory tree; copper nail and washer	787.53 746.48
Bridge over White Oak Creek, on NW. wing wall; chiseled square	
T. 50 N., R. 5 W., near cor. secs. 29, 30, 31, and 32, 21 ft. N. and 12 ft. W. from crossroads, in root on S. side of 18-in. elm tree; copper nail and washer	772.71
Top of hill, center of abandoned rd., in root on S. side of 36-in. oak tree; copper nail and washer	809.23
T. 50 N., R. 5 W., near S. sixteenth cor. between secs. 31 and 32, 25 ft. W. of abandoned rd., on NW. wing wall of underpass of Chicago, Burlington & Quincy R.R.; chiseled square	763.96

	Feet
Top of hill, 18 ft. E. of rd., in root on SW. side of 24-in. oak tree; copper nail	817.21
T. 49 N., R. 5 W., 150 ft. N. and 20 ft. E. from quarter cor. between secs. 5 and 6, 4 ft. E. of fence, in root on W. side of 16-in. honey-locust tree; copper nail and washer	829.37
T. 49 N., R. 5 W., quarter cor. between secs. 7 and 8, 3 mi. N. of Montgomery City, 20 ft. S. and 20 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T Sta No 6 F 1928"	781.278
Reference mark, 15 ft. S. of tablet, in root on S. side of 8-in. wild-cherry tree; copper nail and washer	780.90
Bridge over Little Elkhorn Creek, 75 ft. N. and 20 ft. W. from, in root on S. side of 36-in. birch tree; copper nail and washer	743.10
T. 49 N., R. 5 W., quarter cor. between secs. 17 and 18, 90 ft. N. and 60 ft. E. from, in root on W. side of 10-in. white-oak tree; copper nail and washer	751.15
Top of hill, 25 ft. W. of rd., in root on S. side of 6-in. ash tree; copper nail and washer	806.56
T. 49 N., R. 5 W., near quarter cor. between secs. 19 and 20, 400 ft. N. of dwelling of Billy White, on N. end of E. head wall of concrete culvert; chiseled square	781.19

(Continued in Mineola quadrangle; see line 9.)

6. WEST THROUGH CENTER OF QUADRANGLE

(Continued from Louisiana No. 3 quadrangle; see line 1.)

T. 50 N., R. 5 W., near center of NW 1/4 sec. 7, 12 ft. S. and 18 ft. W. from T-rd. S., on head wall of concrete culvert; chiseled square	781.51
T. 50 N., R. 6 W., quarter cor. between secs. 11 and 12, 276 ft. N. and 20 ft. E. from T-rd. E., in root on SE. side of 12-in. black-oak tree; copper nail and washer	795.60
T. 50 N., R. 6 W., on line between secs. 10 and 11, 150 ft. S. of rd., in lane, in root on N. side of 16-in. elm tree; copper nail and washer	778.17
T-rd. W.; surface of rd.	784.6
T. 50 N., R. 6 W., quarter cor. between secs. 3 and 10, 4 mi. N. of Wellsville, 33 ft. N. and 21 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 8 S 1927"	797.423
Reference mark, 100 ft. N. and 20 ft. W. from tablet, in root on SE. side of 20-in. elm tree; copper nail and washer	796.43
T. 50 N., R. 6 W., quarter cor. between secs. 4 and 9, 10 ft. N. and 15 ft. E. from, on E. end of head wall of concrete culvert; chiseled square	767.19
Crossroads, 20 ft. S. and 10 ft. E. from, on head wall of concrete culvert; chiseled square	784.20
T. 50 N., R. 6 W., about 600 ft. W. of quarter cor. between secs. 5 and 8, 300 ft. W. of stucco dwelling, on N. head wall of concrete culvert; chiseled square	779.81
T-rd. E., 400 ft. E. of, on S. head wall of culvert; chiseled square	787.12
T. 50 N., R. 6 W., in NE 1/4 sec. 7, 350 ft. W. of T-rd. W., 15 ft. N. of rd., in root on S. side of twin wild-cherry tree; copper nail and washer	789.72
T. 50 N., R. 7 W., in NE 1/4 sec. 12, 510 ft. N. and 100 ft. W. from T-rd. E., at porch, on top step; chiseled square	809.16
T. 50 N., Rs. 6 and 7 W., cor. secs. 1, 6, 7, and 12, 2 mi. N., thence 1 mi. E. from Martinsburg, 25 ft. N. and 30 ft. W. from T-rd. W., inside fence, in concrete post; standard tablet stamped "T T Sta No 9 S 1927"	803.262
Reference mark, 18 ft. S. and 7 ft. E. from tablet, on N. end of concrete culvert; (mark not described)	802.26
T. 50 N., R. 7 W., cor. secs. 1, 2, 11, and 12, 21 ft. S. and 18 ft. E. from crossroads, on E. head wall of concrete culvert; chiseled square	807.39
T. 50 N., R. 7 W., cor. secs. 2, 3, 10, and 11, 75 ft. N. and 25 ft. E. from crossroads, in root on S. side of 24-in. maple tree; copper nail and washer	810.71
T. 50 N., R. 7 W., cor. secs. 3, 4, 9, and 10, 2 mi. N., thence 2 mi. W. from Martinsburg, 25 ft. S. and 20 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 10 S 1927"	813.132
Reference mark, 42 ft. N. of tablet, in root on SW. side of 20-in. maple tree; copper nail and washer	813.62
T. 50 N., R. 7 W., cor. secs. 4, 5, 8, and 9, 21 ft. N. and 10 ft. W. from crossroads, on head wall of concrete culvert; chiseled square	808.23
Crossing of Chicago, Burlington & Quincy R.R., 75 ft. S. of, in root on NE. side of 16-in. maple tree; copper nail and washer	809.65
T. 50 N., R. 7 W., cor. secs. 5, 6, 7, and 8, opposite Prairie Chapel School, 5 ft. S. and 60 ft. W. from crossroads, on SE. wing wall of concrete and steel bridge; chiseled square	798.20

7. NEAR NORTHWEST CORNER OF QUADRANGLE

Rush Hill, 1 mi. W., thence 1.8 mi. S. from, about 0.2 mi. S. of quarter cor. between secs. 19 and 24, T. 51 N., Rs. 7 and 8 W., 25 ft. S. and 22 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 25 M 1926"	797.508
Reference mark, 70 ft. NE. of tablet, in root on S. side of locust tree; copper nail and washer	798.25
T-rd. E., 75 ft. S. and 30 ft. E. from, in root on NE. side of 30-in. elm tree; copper nail and washer	791.05
U.S.C. & G.S. standard disk stamped "W 125 1935"	771.586

8. WEST ALONG NORTH BORDER OF QUADRANGLE, INCLUDING THAT PART OF
THE LINE IN FARBER QUADRANGLE (by Cornish Beck in 1936)
(Continued from Louisiana No. 3 quadrangle; see line 3.)

	Feet
Farber, 3.2 mi. E., thence 1.5 mi. S. from, E. cor. secs. 25 and 36, T. 52 N., R. 6 W., 20 ft. S. and 20 ft. W. from T-rd. W., inside fence, in concrete post; standard tablet stamped "T T Sta No 4 S 1927"	763.037 770.04
T-rd. N., 18 ft. N. and 15 ft. W. from, in corner fence post; nail	
T. 52 N., R. 6 W., E. sixteenth cor. between secs. 26 and 35, 18 ft. N. and 90 ft. E. from T-rd. S., in schoolyard, in root on S. side of 26-in. maple tree; copper nail and washer	769.77
T-rd. E., 32 ft. N. and 15 ft. E. from, in W. side of 32-in. elm tree; nail	748.70
T-rd. N., 12 ft. N. and 6 ft. W. from, on head wall of culvert; chiseled square	738.40
T. 52 N., R. 6 W., center of SE 1/4 sec. 27, 18 ft. S. and 12 ft. W. from T-rd. S., or W. edge of pipe culvert; painted square	742.23
County Route AA at rd. E., 12 ft. N. and 21 ft. W. from, on head wall of culvert; chiseled square	747.58
T. 52 N., R. 6 W., near E. sixteenth cor. between secs. 28 and 33, 1.5 mi. S. of Farber, E. of T-rd. W., in concrete post; standard tablet stamped "T T Sta No 3 S 1927"	764.360
T. 52 N., R. 6 W., cor. secs. 28, 29, 32, and 33, 7 ft. N. and 21 ft. E. from crossroads, on head wall of culvert; chiseled square	747.32
T. 52 N., R. 6 W., cor. secs. 29, 30, 31, and 32, 15 ft. S. and 12 ft. E. from crossroads, on head wall of culvert; chiseled square	760.36
Laddonia, 0.5 mi. N., thence 1 mi. E. from, cor. secs. 25, 30, 31, and 36, T. 52 N., Rs. 6 and 7 W., 18 ft. N. and 36 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 2 S 1927"	771.128
Laddonia, 0.5 mi. N. of, cor. secs. 25, 26, 35, and 36, T. 52 N., R. 7 W., 12 ft. S. and 30 ft. E. from U.S. Highway 54 at cross rd., on head wall of culvert; chiseled square	769.84 779.710
U.S.C. & G.S. standard disk stamped "B 138 1935"	
Laddonia, 0.5 mi. N., thence 1 mi. W. from, cor. secs. 26, 27, 34, and 35, T. 52 N., R. 7 W., 12 ft. S. and 20 ft. E. from crossroads, on head wall of concrete culvert; chiseled square	771.64
Laddonia, 0.5 mi. N., thence 2 mi. W. from, cor. secs. 27, 28, 33, and 34, T. 52 N., R. 7 W., 24 ft. S. and 30 ft. W. from crossroads, 50 ft. N. of dwelling of John Braden, in concrete post; standard tablet stamped "T T Sta No 1 S 1927"	776.432
Laddonia, 0.5 mi. N., thence 3 mi. W. from, cor. secs. 28, 29, 32, and 33, T. 52 N., R. 7 W., 12 ft. S. and 320 ft. W. from crossroads, on SE. wing wall of bridge; chiseled square	759.07
Laddonia, 0.5 mi. N., thence 4 mi. W. from, cor. secs. 29, 30, 31, and 32, T. 52 N., R. 7 W., 7 ft. S. and 40 ft. W. from County Route B at cross rd., on head wall of culvert; chiseled square	776.50

9. SOUTH ALONG NORTH HALF OF EAST BORDER OF QUADRANGLE

Laddonia, 6.5 mi. E. of, cor. Tps. 51 and 52 N., Rs. 5 and 6 W., 10 ft. S. and 18 ft. W. from T-rd. N., on head wall of culvert; chiseled square	769.83
T. 51 N., R. 5 W., N. cor. secs. 5 and 6, 90 ft. N. and 160 ft. E. from T-rd. S., in churchyard, in root on SW. side of 26-in. maple tree; copper nail and washer	769.96
T. 51 N., R. 5 W., cor. secs. 5, 6, 7, and 8, 15 ft. S. and 10 ft. E. from crossroads, on head wall of culvert; chiseled square	761.94
Mount Carmel, 1 mi. N., thence 1 mi. W. from, cor. secs. 7, 8, 17, and 18, T. 51 N., R. 5 W., 24 ft. S. (? 34) S. and 30 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 5 S 1927"	772.251
T-rd. E., 150 ft. N. and 20 ft. W. from, in root on SW. side of 24-in. ash tree; nail	768.13
Mount Carmel, 1 mi. W. of, cor. secs. 17, 18, 19, and 20, T. 51 N., R. 5 W., 50 ft. N. and 50 ft. W. from crossroads, in root on SE. side of 30-in. black-oak tree; copper nail and washer	755.06
T-rd. W., 20 ft. S. and 18 ft. W. from, on old, concrete foundation of corner post; chiseled square	776.79
Mount Carmel, 1.5 mi. S. and 1 mi. W. from, quarter cor. between secs. 29 and 30, T. 51 N., R. 5 W., 30 ft. N. and 45 ft. W. from T-rd. N., in root on W. side of 16-in. post-oak tree; copper nail and washer	703.08
Mount Carmel, 2 mi. S. and 1 mi. W. from, cor. secs. 29, 30, 31, and 32, T. 51 N., R. 5 W., 30 ft. S. and 20 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 6 S 1927"	719.047
Crossroads, 36 ft. N. and 18 ft. E. from, in W. side of 20-in. elm tree; nail	735.32
T. 50 N., R. 5 W., N. cor. secs. 5 and 6, 50 ft. S. of T-rd. W., 18 ft. W. of rd. S., in root on SW. side of 18-in. cherry tree; copper nail and washer	777.75

TIE BETWEEN UNITED STATES COAST AND GEODETIC SURVEY SECOND-ORDER
LINE AND UNITED STATES GEOLOGICAL SURVEY THIRD-ORDER LINE NEAR
CENTER OF WEST BORDER OF QUADRANGLE (by T. G. Drummond in 1935.
Not shown on diagram)

T. 50 N., R. 7 W., cor. secs. 5, 6, 7, and 8, opposite Prairie Chapel School, 5 ft. S. and 60 ft. W. from crossroads, on SE. wing wall of concrete and steel bridge; chiseled square	798.20
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	Feet
Bridge over West Fork of Cuivre River, on N. abutment; chiseled square	648.58
Middletown, 1 mi. E. of, near cor. secs. 5, 6, 7, and 8, T. 50 N., R. 4 W., 110 ft. N. of rd., in root on W. side of 36-in. oak tree; copper nail and washer	728.18
Junction of rd. N., 85 ft. N. and 75 ft. W. from, in root on W. side of 12-in. black-oak tree; copper nail and washer	720.49
Middletown, in SW 1/4 sec. 1, T. 50 N., R. 5 W., 25 ft. W. of NE. corner of yard of high school, 1 ft. S. of sidewalk, in concrete post; standard tablet stamped "T T Sta No 62 F 1928"	712.889
Reference mark, 54 ft. S. and 24 ft. E. from tablet, in root on N. side of 42-in. maple tree; copper nail and washer	711.31
Middletown, at main cross streets, on concrete base of flagpole; chiseled square	685.55
Middletown, 0.8 mi. W. of, about 700 ft. E. of line between secs. 1 and 2, T. 50 N., R. 5 W., on N. head wall of concrete culvert; chiseled square	714.09
Rd., 35 ft. S. of, 12 ft. S. of fence, in root on N. side of 24-in. oak tree; copper nail and washer	768.12
Middletown, about 1.5 mi. W. of, in center of SW 1/4 sec. 2, T. 50 N., R. 5 W., 27 ft. S. and 18 ft. W. from rd. corner N.-W., at entrance to farm of H. Cohagen, in top of 12-in. oak gatepost; copper nail and washer	732.31
Rd. corner N.-W., 90 ft. S. of, in root on W. side of 30-in. oak tree; copper nail and washer	709.95
Middletown, 2 mi. W. of, in SE 1/4 sec. 3, T. 50 N., R. 5 W., 20 ft. E. of T-rd. W., in concrete post; standard tablet stamped "T T Sta No 63 F 1928"	752.406
Reference mark, 75 ft. S. and 24 ft. E. from tablet, in root on NE. side of 14-in. hickory tree; copper nail and washer	754.24
Concrete bridge, on SE. corner of floor; chiseled square	703.10
T. 50 N., R. 5 W., near S. sixteenth cor. sec. 4, 100 ft. E. of dwelling of Tom Stansberry, 15 ft. S. of rd., in root on N. side of 20-in. maple tree; copper nail and washer	759.61
Dwelling on Cooney farm, 60 ft. N. of rd. opposite, on top of concrete watering tank; chiseled square	768.28
T. 50 N., R. 5 W., near S. sixteenth cor. between secs. 4 and 5, 15 ft. S. and 27 ft. E. from T-rd. E., in top of corner fence post; copper nail and washer	773.62
Dwelling of Dennis Push, 15 ft. N. of rd. opposite, in root of 18-in. hedge tree; copper nail and washer	784.83

(Continued in Wellsville quadrangle; see line 6.)

2. IN SOUTHEAST CORNER OF QUADRANGLE

(Continued from Louisiana No. 4 quadrangle; see line 4.)

Truxton, about 3.9 mi. N. of, near center sec. 4, T. 49 N., R. 3 W., about 900 ft. S. of farmhouse of Ollie Linkum, 20 ft. W. of rd., in root on E. side of 20-in. white-oak tree; copper nail and washer	700.91
Truxton, 2.2 mi. N. and 0.8 mi. W. from, on line between secs. 4 and 9, T. 49 N., R. 3 W., 85 ft. N. of T-rd. W., 2 ft. N. of fence, in con- crete post; standard tablet stamped "T T Sta No 53 F 1928"	614.986
Reference mark, 120 ft. N. and 42 ft. W. from tablet, in root on S. side of 20-in. hickory tree; copper nail and washer	618.91
Truxton, 2.6 mi. N. of, near center sec. 9, T. 49 N., R. 3 W., 20 ft. W. of rd., in root on SW. side of 24-in. oak tree; copper nail and washer	596.29
Farmhouse of Henry Owens, about 420 ft. W. of, 20 ft. S. of rd., in root of 20-in. tree; copper nail and washer	690.30
Ford across creek, 100 ft. N. and 30 ft. W. from, in root on SE. side of 12-in. elm tree; copper nail and washer	588.06

(Continued in Louisiana No. 4 quadrangle; see line 4.)

3. WEST ALONG NORTH BORDER OF QUADRANGLE, INCLUDING THAT PART OF
THE LINE IN LOUISIANA NO. 2 QUADRANGLE (by Cornish Beck in
1936)

Ashley, 1.9 mi. SW. of, along State Highway 29, in sec. 33, T. 52 N., R. 3 W., in NW. wing wall of bridge; metal disk (Mo. State Highway B.M.)	630.858
State Highway 29 at cross rd., 13 ft. N. and 15 ft. E. from, on N. end of culvert; painted square	685.36
Steel bridge, in NW. wing wall; top of S. bent rod	678.87
T-rd. E., 18 ft. N. and 40 ft. E. from, in S. side of 20-in. white-oak tree; bent nail	682.71
Farmer, 1 mi. S. and 1.8 mi. E. from, cor. secs. 29, 30, 31, and 32, T. 52 N., R. 3 W., 25 ft. N. and 20 ft. E. from rd. corner N.-E., in concrete post; standard tablet stamped "T T Sta No 68 F 1928"	752.043
Crossroads, 13 ft. N. and 15 ft. E. from, on E. corner of wing wall of concrete culvert; chiseled square	732.72
Farmer, about 1 mi. S. and 1 mi. E. from, in SW 1/4 sec. 30, T. 52 N., R. 3 W., on SW. end of bottom step of Siloam Church; chiseled square	745.08
T-rd. E., 15 ft. N. and 30 ft. E. from, in root on S. side of 24-in. post-oak tree; bent nail	707.40
Farmer, 0.5 mi. S. of, quarter cor. between secs. 25 and 26, T. 52 N., R. 4 W., 20 ft. S. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 67 F 1928"	728.814
Vannoy School, at flagpole; top of base	724.52
Farmer, about 0.9 mi. S. and 0.9 mi. W. from, in SW 1/4 sec. 26, T. 52 N., R. 4 W., on top of N. rivet of NW. pier of bridge over Indian Creek; chiseled cross	640.32
T-rd. S., 15 ft. S. and 15 ft. E. from, in N. side of peach tree; bent nail	681.41

Estes, about 1.5 mi. E. of, near quarter cor. between secs. 33 and 34, T. 52 N., R. 4 W., 21 ft. S. and 10 ft. W. from crossroads, on W. head wall of culvert; chiseled square	<u>Feet</u> 735.77
Estes, 1 mi. E. of, near center sec. 33, T. 52 N., R. 4 W., 20 ft. N. of T-rd. N., 3 ft. W. of SE. corner of fence around yard, in concrete post; standard tablet stamped "T T Sta No 66 F 1928"	733.510
Estes, 12 ft. N. and 15 ft. W. from crossroads, on N. end of iron pipe culvert; painted square	737.19 726.23
T-rd. E., NE. of, on concrete base of corner post; chiseled square	
Estes, about 0.5 mi. W. and 0.2 mi. N. from, near N. sixteenth cor. between secs. 31 and 32, T. 52 N., R. 4 W., 12 ft. S. and 13 ft. W. from T-rd. W., on head wall of culvert; chiseled square	691.16
Estes, about 1.5 mi. W. and 0.2 mi. N. from, N. sixteenth cor. between secs. 31 and 36, T. 52 N., Rs. 4 and 5 W., 9 ft. N. and 21 ft. E. from T-rd. E., on head wall of culvert; chiseled square	741.25
Estes, 1.5 mi. W. and 1 mi. N. from, approximate quarter cor. between secs. 25 and 30, T. 52 N., Rs. 4 and 5 W., 75 ft. S. and 20 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 65 F 1928"	754.860
Estes, about 2.3 mi. W. and 1 mi. N. from, W. sixteenth cor. sec. 25, T. 52 N., R. 5 W., 30 ft. E. of T-rd. N., on NW. corner of curb of bridge; chiseled square	710.90
Crossroads, 15 ft. S. and 24 ft. W. from, on head wall of culvert; chiseled square	757.88
Estes, about 3.5 mi. W. and 1 mi. N. from, near quarter cor. between secs. 26 and 27, T. 52 N., R. 5 W., 0.5 mi. W. of Boyd School, 15 ft. S. and 100 ft. E. from rd. at fences N.-S., in root on S. side of 20-in. elm tree; copper nail and washer	766.30
Estes, 4.5 mi. W. and 1 mi. N. from, quarter cor. between secs. 27 and 28, T. 52 N., R. 5 W., 25 ft. W. of T-rd. E., in concrete post; standard tablet stamped "T T Sta No 64 F 1928"	767.445
T. 52 N., R. 5 W., cor. secs. 27, 28, 33, and 34, 12 ft. S. and 18 ft. E. from crossroads, on head wall of culvert; chiseled square	753.53
T. 52 N., R. 5 W., cor. secs. 28, 29, 32, and 33, 12 ft. S. and 20 ft. W. from County Route W at cross rd., on S. end of iron pipe culvert; painted square	775.81
T. 52 N., R. 5 W., cor. secs. 29, 30, 31, and 32, 10 ft. N. and 25 ft. W. from crossroads, on N. end of iron pipe culvert; painted square	774.75

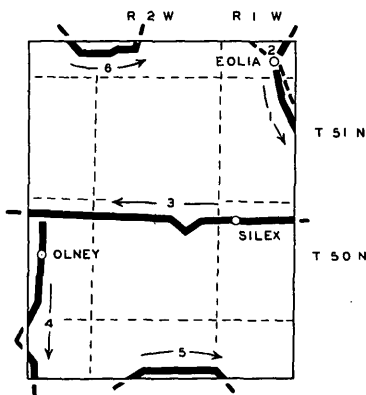
(Continued in Wellsville quadrangle; see line 8.)

4. SOUTH ALONG NORTH HALF OF EAST BORDER OF QUADRANGLE

T. 51 N., R. 3 W., in NW 1/4 sec. 4, on State Highway 29, on NW. corner of bridge; chiseled square	629.09
Junction of rd. W., 15 ft. S. and 20 ft. W. from, on iron pipe culvert; painted square	708.89
New Hartford, 1 mi. N. and 1 mi. E. from, on line between secs. 4 and 9, T. 51 N., R. 3 W., 30 ft. N. and 400 ft. E. from State Highway 29 at rd. E., 30 ft. N. of E.-W. rd., 24 ft. W. of abandoned N.-S. rd., in concrete post; standard tablet stamped "T T Sta No 58 F 1928"	701.782
Rd. forks S. and W., in root on W. side of lone 40-in. elm tree; bent nail	696.42
New Hartford, about 0.8 mi. E. of, cor. secs. 8, 9, 16, and 17, T. 51 N., R. 3 W., 23 ft. S. and 16 ft. E. from T-rd. W., on corner of concrete base of yard fence; chiseled square	682.98
New Hartford, 0.8 mi. E., thence about 1.1 mi. S. from, about 0.1 mi. S. of cor. secs. 16, 17, 20, and 21, T. 51 N., R. 3 W., on NE. wing wall of bridge over Indian Creek; chiseled square	593.26
New Hartford, 0.8 mi. E., thence 2 mi. S. from, cor. secs. 20, 21, 28, and 29, T. 51 N., R. 3 W., 30 ft. S. and 30 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T Sta No 59 F 1928"	678.189
T-rd. W., 21 ft. N. and 15 ft. W. from, in E. side of telephone pole; bent nail	720.74
T. 51 N., R. 3 W., cor. secs. 28, 29, 32, and 33, 12 ft. N. and 9 ft. E. from T-rd. N., on head wall of culvert; chiseled square	704.93
T. 51 N., R. 3 W., N. sixteenth cor. between secs. 31 and 32, 5 ft. S. and 6 ft. E. from T-rd. S., on head wall of culvert; chiseled square	714.10
T. 50 N., R. 3 W., near N. cor. secs. 5 and 6, on NW. abutment of bridge; chiseled square	686.48

LOUISIANA NO. 4 QUADRANGLE
(Latitude 39°00'-39°15'; longitude 91°00'-91°15')

Lincoln and Pike Counties



1. FROM EOLIA SOUTHEAST TO EAST BORDER OF QUADRANGLE (by L. V. Johnson in 1928)

Eolia, at N. limits of, 20 ft. S. and 30 ft. E. from Eolia-Stark Nursery rd. at junction of rd. E. to cemetery, in concrete post; standard tablet stamped "T T Sta No 31 F 1928"

Feet
852.078
826.06

(Continued in Elsberry quadrangle; see line 5.)

2. IN NORTHEAST CORNER OF QUADRANGLE

Eolia, about 0.5 mi. NE. of, at bottom of hill, about 600 ft. SW. of farmhouse, 15 ft. N. of rd., in root on E. side of 40-in. oak tree; copper nail and washer

818.83

3. WEST THROUGH CENTER OF QUADRANGLE (by T. G. Drummond in 1935)
(Continued from Elsberry quadrangle; see line 7.)

Auburn, 2 mi. W. of, along County Route E, near center sec. 3, T. 50 N., R. 1 W., 50 ft. S. of highway, 40 ft. W. of hedge fence, in root on NE. side of 8-in. oak tree; copper nail and washer
Silex, 2 mi. E. of, along County Route E, in SE 1/4 sec. 4, T. 50 N., R. 1 W., 20 ft. N. and 65 ft. W. from junction of rd. N., in concrete post; standard tablet stamped "T T Sta No 47 F 1928"
Reference mark, 500 ft. W. of tablet, 40 ft. N. of highway, 7 ft. S. of SW. corner of dwelling of Wm. I. Koehler, in root on SW. side of 16-in. elm tree; copper nail and washer
Dwelling of Clare Humphrey, 50 ft. N. of rd., on front doorstep; chiseled square
Silex, 1 mi. E. of, along County Route E, in SE 1/4 sec. 5, T. 50 N., R. 1 W., 500 ft. S. of dwelling of Fred Warneke, 65 ft. N. of highway, in root on S. side of 28-in. maple tree; copper nail and washer
Silex, 0.5 mi. E. of, along County Route E, at bottom of hill, on S. head wall of concrete culvert; chiseled square
Silex, in sec. 6, T. 50 N., R. 1 W., 70 ft. N. of old St. Louis & Hannibal R.R. sta., at S. edge of sidewalk, in concrete post; standard tablet stamped "T T Sta No 48 F 1928"
Reference mark, 100 ft. W. of tablet, at NE. corner of Morris Cafe, on base of cast-iron column; chiseled square
Bridge Z-316 over North Fork of Cuivre River, in S. end of W. curb stringer; copper nail and washer
Silex, 1 mi. W. of, along County Route E, in E 1/2 sec. 12, T. 50 N., R. 2 W., 30 ft. N. and 700 ft. E. from junction of rd. S., at dwelling of James Murphy, on walk; chiseled square
T-rd. S., 110 ft. S. of, at bridge over Sitton Branch, on N. end of W. curb; chiseled square
Silex, about 1.8 mi. W. of, about 500 ft. N. of quarter cor. between secs. 11 and 12, T. 50 N., R. 2 W., 30 ft. N. and 30 ft. E. from rd. corner, in root on E. side of 30-in. elm tree; copper nail and washer
T-rd. W., 250 ft. S. and 25 ft. W. from, on top of concrete fence post; chiseled square
Silex, about 2.7 mi. W. of, quarter cor. between secs. 2 and 11, T. 50 N., R. 2 W., 120 ft. W. of T-rd. N., on N. head wall of concrete culvert; chiseled square
T-rd. S., 24 ft. S. and 18 ft. E. from, on top of concrete fence post; chiseled square

701.20
662.964
673.36
664.96
637.65
536.82
508.100
510.00
514.11
509.48
517.93
524.20
582.81
554.89
620.76

Silex, about 3.7 mi. W. of, 24 ft. S. and 50 ft. E. from quarter cor. between secs. 3 and 10, T. 50 N., R. 2 W., in root on S. side of 12-in. wild-cherry tree; copper nail and washer	<u>Feet.</u> 651.07
Silex, about 4.2 mi. W. of, cor. secs. 3, 4, 9, and 10, T. 50 N., R. 2 W., 30 ft. N. and 25 ft. E. from T-rd. N., in concrete post; standard tablet stamped "T T Sta No 49 F 1928"	654.374
Reference mark, 30 ft. W. of tablet, on W. head wall of concrete culvert; chiseled square	651.62
Corso, about 2.3 mi. E. of, near cor. secs. 4, 5, 8, and 9, T. 50 N., R. 2 W., 600 ft. W. of rd. fork S., on N. curb wall of bridge; chiseled square	650.61
Cross fence, 80 ft. W. of, 20 ft. S. of rd., in root on N. side of 24-in. elm tree; copper nail and washer	697.91
Corso, 1.3 mi. E. of, approximate cor. secs. 5, 6, 7, and 8, T. 50 N., R. 2 W., 10 ft. S. and 54 ft. E. from crossroads, on S. head wall of concrete culvert; chiseled square	693.61
Corso, 0.4 mi. E. of, in sec. 6, T. 50 N., R. 2 W., 45 ft. N. of rd., on S. side of concrete water tank; chiseled square	657.52
Corso, W. cor. secs. 6 and 7, T. 50 N., R. 2 W., 30 ft. S. and 25 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T Sta No 50 F 1928"	691.637
Reference mark, 30 ft. N. and 50 ft. E. from tablet, in root on W. side of 18-in. black-locust tree; copper nail and washer	691.77
T-rd. W., 600 ft. W. of, on N. head wall of concrete culvert; chiseled square	681.39
Corso, 1 mi. W. of, near cor. secs. 1, 2, 11, and 12, T. 50 N., R. 3 W., on S. curb wall of concrete culvert; chiseled square	650.54
Rd. fork S., on S. head wall of concrete culvert; chiseled square	618.11
Corso, about 1.5 mi. W. of, approximate quarter cor. between secs. 2 and 11, T. 50 N., R. 3 W., 70 ft. S. and 60 ft. E. from rd. corner, in root on N. side of 30-in. oak tree; copper nail and washer	693.91
Dwelling of William S. Sitton, in front of, on concrete sidewalk; chiseled square	707.55
Olney, 2.8 mi. N., thence 0.8 mi. E. from, in NE 1/4 sec. 10, T. 50 N., R. 3 W. on end of SE. wing wall of concrete culvert; chiseled square	664.11
Olney, 2.8 mi. N. of, cor. secs. 3, 4, 9, and 10, T. 50 N., R. 3 W., 30 ft. N. and 25 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 51 F 1928"	699.777
Reference mark, 135 ft. S. and 24 ft. W. from crossroads, in root on W. side of 18-in. elm tree; copper nail and washer	693.81

(Continued in Louisiana No. 3 quadrangle, see line 1.)

4. SOUTH ALONG SOUTH PART OF WEST BORDER OF QUADRANGLE

Grimmett School, 10 ft. S. and 12 ft. W. from, on concrete sidewalk; chiseled square	709.03
Olney, 1.5 mi. N. of, cor. secs. 9, 10, 15, and 16, T. 50 N., R. 3 W., 30 ft. S. and 10 ft. W. from crossroads, on W. end of concrete culvert; chiseled square	704.12
Olney, 0.6 mi. N. of, about 0.2 mi. N. of T-rd. E., on W. head wall of concrete culvert; chiseled square	692.33
T-rd. W., 10 ft. S. and 30 ft. W. from, on S. head wall of concrete culvert; chiseled square	720.25
Olney, cor. secs. 21, 22, 27, and 28, T. 50 N., R. 3 W., 25 ft. N. and 30 ft. E. from T-rd. W., in SW. corner of schoolyard, in concrete post; standard tablet stamped "T T Sta No 52 F 1928"	714.364
Reference mark, at SE. corner of schoolhouse, on SW. corner of concrete pump platform; chiseled square	713.59
Olney cemetery, 120 ft. S. and 40 ft. E. from gate, on E. end of concrete culvert; chiseled square	668.20
Olney, 1.2 mi. S. of, quarter cor. between secs. 33 and 34, T. 50 N., R. 3 W., 280 ft. N. of lane to old Duval farm, in root on E. side of 28-in. oak tree; copper nail and washer	693.94
Center of rd., 30 ft. E. of, opposite farmhouse of Bill Lefts, in root on W. side of 40-in. elm tree; copper nail and washer	615.89
Olney, 2.3 mi. S. of, in SE 1/4 sec. 33, T. 50 N., R. 3 W., at old stock ford across West Fork of Culvre River, on E. bank of river, 24 ft. N. of rd., in base on NE. side of 40-in. sycamore tree; copper nail and washer	562.07
Crossing of West Fork of Culvre River, 0.5 mi. S. of, in root on NE. side of 20-in. black-oak tree; copper nail and washer	682.06

(For balance in Louisiana No. 3 quadrangle, see line 2.)

Truxton, 1.2 mi. N. of, on line between secs. 15 and 16, T. 49 N., R. 3 W., 180 ft. N. of ford across creek, 20 ft. E. of rd., in root on W. side of 28-in. black-oak tree; copper nail and washer	689.96
Farmhouse, about 300 ft. NW. of, near top of hill, 30 ft. E. of rd., in root on W. side of 16-in. black-locust tree; copper nail and washer	687.52
Truxton, at NW. limits of, in NW 1/4 sec. 22, T. 49 N., R. 3 W., 25 ft. S. and 40 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 12 F 1928"	733.140
Reference mark, 200 ft. E. of tablet, in root of maple tree; copper nail and washer	731.76

5. NEAR MIDDLE OF SOUTH BORDER OF QUADRANGLE (by C. P. Thompson in 1935)

(Continued from Hermann No. 1 quadrangle; see line 3.)

	<u>Feet</u>
T. 49 N., R. 2 W., cor. secs. 16, 17, 20, and 21, 25 ft. N. and 60 ft. E. from crossroads, in root on S. side of 7-in. post-oak tree; copper nail and washer	656.54
T. 49 N., R. 2 W., cor. secs. 15, 16, 21, and 22, 2.5 mi. N. of Hawk Point, 10 ft. S. and 20 ft. E. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 14 F 1928"	604.628
T. 49 N., R. 2 W., in N 1/2 sec. 22, 60 ft. N. and 110 ft. E. from NE. corner of farmhouse of John S. Mactinck, in root on S. side of 24-in. hackberry tree; copper nail and washer	520.90
T. 49 N., R. 2 W., quarter cor. between secs. 14 and 23, 20 ft. S. and 21 ft. W. from rd. at fences N.-S., 20 ft. S. and 33 ft. E. from T-rd. S., in root on NW. side of 22-in. oak tree; copper nail and washer	623.40
T. 49 N., R. 2 W., about 600 ft. SE. of cor. secs. 13, 14, 23, and 24, 120 ft. W. of N.-S. fence, 23 ft. S. of rd., in root on N. side of 22-in. white-oak tree; copper nail and washer	593.52

(Continued in Hermann No. 1 quadrangle; see line 3.)

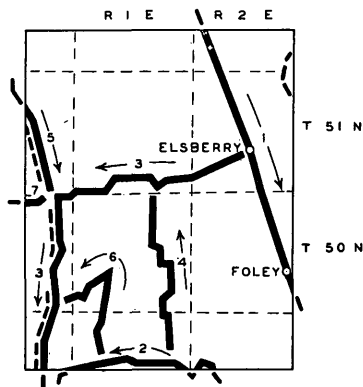
6. EAST ALONG WEST HALF OF NORTH BORDER OF QUADRANGLE (by Cornish Beck in 1936)

Ashley, 0.8 mi. SW. of, 615 ft. NE. of T-rd. SE., 40 ft. NW. of State Highway 29, 6 ft. NE. of private entrance, on concrete base of gatepost; chiseled square	716.96
T-rd. SW., 165 ft. SE. of, 18 ft. SW. of rd., on NE. corner of retaining wall; chiseled square	743.85
Ashley, 1.1 mi. SE. of, on W. wing wall of bridge; chiseled square	735.43
Ashley, 1.7 mi. SE. of, near S. corner of land grant, 75 ft. E. of gravel rd. at turn, 15 ft. S. of dirt rd. NE., on N. side of field gatepost; bent nail	761.75
Ashley, about 3.2 mi. SE. of, near probable center sec. 31, T. 52 N., R. 2 W., 200 ft. E. of West Fork of Sulphur Creek, 600 ft. W. of frame dwelling, on N. side of abandoned rd. at curve, in fence line, in notch on S. side of 12-in. elm tree; bent nail	629.51
Ashley, 3 mi. E. and 1 mi. S. from, in E 1/2 sec. 31, T. 52 N., R. 2 W., 25 ft. N. and 10 ft. E. from T-rd. W., in concrete post; standard tablet stamped "T T No 56 F 1928"	719.960
T. 52 N., R. 2 W., cor. secs. 29, 30, 31, and 32, 50 ft. E. of T-rd. N., on NW. corner of head wall of culvert; chiseled square	648.41
Pleasant Grove School, 80 ft. S. and 75 ft. W. from SW. corner, in root on N. side of 26-in. locust tree; bent nail	749.08
T. 52 N., R. 2 W., near cor. secs. 28, 29, 32, and 33, on SE. wing wall of bridge; chiseled square	688.84
Crossroads, 30 ft. N. and 6 ft. E. from, on head wall of culvert; chiseled square	752.15

For an additional level line along U.S. Highway 61, refer to United States Coast and Geodetic Survey second-order line, Wentzville to Bowling Green.

ELSBERRY QUADRANGLE
(Latitude 39°00' - 39°15'; longitude 90°45' - 91°00')

Lincoln and Pike Counties



1. FROM NORTH BORDER OF QUADRANGLE SOUTHEAST ALONG CHICAGO, BURLINGTON & QUINCY RAILROAD TO EAST BORDER (by L. V. Johnson in 1928)

	Feet
Dameron, about 1.9 mi. N. of, along Chicago, Burlington & Quincy R.R., 60 ft. S. and 10 ft. W. from steel bridge, on concrete abutment; chiseled square	455.00
Dameron, about 1.5 mi. N. of, along Chicago, Burlington & Quincy R.R., 15 ft. S. and 60 ft. W. from rd. crossing, 15 ft. S. and 10 ft. E. from crossroads, on N. end of head wall of concrete culvert; chiseled square	444.54
Dameron, about 0.5 mi. N. of, along Chicago, Burlington & Quincy R.R., 10 ft. E. of center of signal tower; chiseled square	451.58
Dameron, 200 ft. S. of Chicago, Burlington & Quincy R.R. sta., 30 ft. S. and 50 ft. W. from W. track at rd. crossing, 5 ft. S. of fence corner, in concrete post; standard tablet stamped "4 L J 1928"	445.715
Dameron, about 1 mi. S. of, along Chicago, Burlington & Quincy R.R., about 500 ft. N. of private rd. crossing, on NW. corner of concrete base of signal tower; chiseled square	451.47
Elsberry, about 1.5 mi. N. of, along Chicago, Burlington & Quincy R.R., near T-rd. W., 25 ft. S. and 8 ft. W. from rd. crossing, at NW. corner of bridge, on concrete abutment; chiseled square	450.61
Elsberry, about 1 mi. N. of, along Chicago, Burlington & Quincy R.R., 350 ft. S. of private rd. crossing and T-fence E., on NW. corner of concrete base of signal tower; chiseled square	449.43
Elsberry, at N. limits of, 10 ft. N. and 50 ft. W. from Chicago, Burlington & Quincy R.R. at rd. crossing, 12 ft. N. and 115 ft. E. from T-rd. S., 3 ft. N. of fence corner, in concrete post; standard tablet stamped "5 L J 1928"	449.813
Elsberry, 10 ft. N. and 115 ft. W. from Chicago, Burlington & Quincy R.R. track in front of sta., at SW. corner of fence around sta. park, in concrete post; standard tablet stamped "T Sta No 25 F 1928"	448.937
Elsberry, about 0.3 mi. S. of Chicago, Burlington & Quincy R.R. sta., at NE. corner of steel bridge, on concrete abutment; chiseled square	453.01
Elsberry, about 1 mi. S. of, along Chicago, Burlington & Quincy R.R., near rock crusher, at rd. crossing; top of E. rail	447.6
Elsberry, about 2 mi. S. of, along Chicago, Burlington & Quincy R.R., about 0.2 mi. S. of private rd. crossing, 10 ft. E. of track, on NW. corner of concrete base of signal tower; chiseled square	446.36
Elsberry, about 3 mi. S. of, along Chicago, Burlington & Quincy R.R., 45 ft. E. of track, 25 ft. S. and 20 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T Sta No 24 F 1928"	445.549
Apex, 135 ft. S. and 35 ft. E. from Chicago, Burlington & Quincy R.R. sta., 10 ft. S. and 35 ft. E. from main track at rd. crossing, in line with rd. E., on N. end of head wall of concrete culvert; chiseled square	445.12

(Continued in Hardin quadrangle; see line 1.)

2. WEST ALONG SOUTH BORDER OF QUADRANGLE

(Continued from O'Fallon No. 2 quadrangle; see line 2.)

T. 49 N., R. 1 E., cor. secs. 13, 14, 23, and 24, 30 ft. N. and 15 ft. W. from crossroads, on S. end of W. head wall of concrete culvert; chiseled square	648.81
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(For balance in O'Fallon No. 2 quadrangle, see line 2.)

Troy, 5 mi. E. and 1.5 mi. N. from, in SE 1/4 sec. 15, T. 49 N., R. 1 E., 30 ft. E. of rd., 15 ft. N. of gate at rd. E. to field, in fence corner, in concrete post; standard tablet stamped "T Sta No 18 F 1928"	642.696
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T. 49 N., R. 1 E., near E. sixteenth cor. sec. 15, in center of triangle at rd. forks, in knob on S. side of 24-in. oak tree; copper nail and washer	<u>Feet</u> 640.04
T. 49 N., R. 1 E., in center of SE 1/4 sec. 16, about 400 ft. SW. of ford across creek, 140 ft. E. of T-fence N., 5 ft. NE. of tree at fence corner, in root on W. side of twin elm tree; copper nail and washer	505.48
T. 49 N., R. 1 E., in center SE 1/4 sec. 17, about 150 ft. W. of rd. at bottom of hill, in root on SE. side of 12-in. maple tree; copper nail and washer	530.16
Troy, 2 mi. E. and 1.8 mi. N. from, at cor. secs. 17, 18, 19, and 20, T. 49 N., R. 1 E., 25 ft. S. and 15 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T Sta No 17 F 1928"	506.185
T. 49 N., R. 1 E., near quarter cor. between secs. 18 and 19, 10 ft. S. and 150 ft. W. from steel bridge over Cuivre River, on concrete abutment; chiseled square	475.23
T. 49 N., R. 1 W., quarter cor. between secs. 13 and 24, about 500 ft. W. of T-rd. N., 40 ft. E. of rd. corner E-S., on W. end of S. head wall of concrete culvert; chiseled square	537.02

(Continued in O'Fallon No. 2 quadrangle; see line 2.)

3. WEST THROUGH CENTER OF QUADRANGLE, THENCE SOUTH TO SOUTH BORDER

Elsberry, at SW. edge of, about 600 ft. W. of T-rd. S., 30 ft. N. and 20 ft. W. from rd. fork N., in root on SE. side of 36-in. maple tree; copper nail and washer	452.89
Elsberry, about 1.2 mi. W. of, 115 ft. S. and 25 ft. E. from fence, about 60 ft. W. of farmhouse, in NW. corner of yard, in root on W. side of 50-in. elm tree; copper nail and washer	467.68
Elsberry, about 3.5 mi. W. of, W. quarter cor. sec. 31, T. 51 N., R. 2 E., 45 ft. N. and 200 ft. E. from T-rd. N., in SE. corner of churchyard, in concrete post; standard tablet stamped "T T Sta No 26 F 1928"	595.816
Reference mark, 10 ft. W. of tablet, in root on N. side of 12-in. elm tree; copper nail and washer	595.87
New Hope, about 1 mi. E. of, in center of SE 1/4 sec. 36, T. 51 N., R. 1 E., 10 ft. S. and 20 ft. E. from T-rd. W., 10 ft. S. of S. gatepost, in root on N. side of large twin elm tree; copper nail and washer	629.63
New Hope, 50 ft. N. and 30 ft. W. from T-rd. N., in NE. side of lone 18-in. poplar tree; copper nail and washer	715.05
New Hope, about 0.2 mi. N., thence 0.2 mi. E. from, in center sec. 35, T. 51 N., R. 1 E., at bottom of large ravine, 120 ft. E. of rd. at lane N. to farmhouse, 7 ft. S. of rd., on E. end of concrete culvert; chiseled square	676.49
New Hope, 0.2 mi. N., thence 1.3 mi. E. from, center sec. 34, T. 51 N., R. 1 E., 25 ft. S. and 20 ft. E. from T-rd. N., in concrete post; standard tablet stamped "T T Sta No 27 F 1928"	726.775
Reference mark, 7 ft. S. and 15 ft. W. from crossroads, on E. end of head wall of concrete culvert; chiseled square	723.00
T. 51 N., R. 1 E., near center of SE 1/4 sec. 33, about 500 ft. SW. of brick farmhouse, 10 ft. W. of rd., on N. end of head wall of concrete culvert; chiseled square	735.49
T. 51 N., R. 1 E., in SE 1/4 SE 1/4 sec. 32, at bottom of large ravine, 10 ft. N. of rd., on W. end of head wall of concrete culvert over creek; chiseled square	713.57
Auburn, about 2 mi. E. of, at N. cor. secs. 5 and 6, T. 50 N., R. 1 E., 25 ft. S. and 560 ft. W. from T-rd. S., in NE. corner of yard of Souls Chapel; in concrete post; standard tablet stamped "T T Sta No 38 F 1928" (Reset about 10 ft. S. from above described location by highway engineers in 1935. Given elevation is for new location.)	815.322
Reference mark, 30 ft. N. of chapel, in root on SE. side of 48-in. elm tree; copper nail and washer	814.93
T. 50 N., R. 1 W., in NE 1/4 sec. 1, 9 ft. S. and 40 ft. W. from T-rd. S., on E. end of head wall of concrete culvert; chiseled square	774.47
Auburn Community Center, 20 ft. N. and 30 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 34 F 1928"	775.966
Reference mark, 20 ft. S. and 60 ft. E. from crossroads, on old concrete foundation of house; chiseled square	776.31
Auburn, about 1 mi. S. of, along old U.S. Highway 61, in SW 1/4 SW 1/4 sec. 12, T. 50 N., R. 1 W., 10 ft. E. of highway, in line with T-fence E. and private rd. W.; top of S. end of corrugated iron pipe culvert	713.80
Auburn, about 1.5 mi. S. of, along old U.S. Highway 61, 10 ft. S. and 20 ft. E. from highway at rd. E. at W. sixteenth cor. between secs. 12 and 13, T. 50 N., R. 1 W., on top of S. end of corrugated iron pipe culvert; (mark not described)	749.42
Auburn, 3 mi. S. of, 235 ft. E. of quarter cor. between secs. 23 and 24, T. 50 N., R. 1 W., 30 ft. S. and 20 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 35 F 1928" (U.S.C. & G.S. elev.)	720.566
Reference mark, 20 ft. N. and 15 ft. E. from crossroads, on top of N. end of corrugated iron pipe culvert; (mark not described)	719.01
Troy, about 5 mi. N. of, in NE 1/4 sec. 2, T. 49 N., R. 1 W., 40 ft. S. and 15 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T Sta No 36 F 1928"	722.105
Reference mark, 15 ft. N. and 15 ft. E. from crossroads; on top of N. end of corrugated iron pipe culvert; (mark not described)	720.98
T. 49 N., R. 1 W., in NW 1/4 sec. 14, on U.S. Highway 61, 270 ft. S. and 20 ft. W. from center of bridge over Cuivre River, on wing wall, 4 ft. N. of S. end; chiseled square	472.30
Troy, 1.8 mi. N. of, in SW 1/4 sec. 14, T. 49 N., R. 1 W., 120 ft. N. and 30 ft. W. from St. Louis & Hannibal R.R. crossing U.S. Highway 61, in concrete post; standard tablet stamped "T T Sta No 37 F 1928"	484.879

4. NORTH THROUGH MIDDLE OF SOUTH HALF OF QUADRANGLE

	<u>Feet</u>
T. 49 N., R. 1 E., near cor. secs. 11, 12, 13, and 14, 15 ft. N. and 10 ft. E. from T-rd. W., in root on W. side of twin oak tree; copper nail and washer	681.79
T. 49 N., R. 1 E., cor. secs. 1, 2, 11, and 12, 150 ft. N. of T-rd. E., 15 ft. N. and 6 ft. W. from T-rd. W., on head wall of concrete culvert; chiseled square	695.25
Tps. 49 and 50 N., R. 1 E., near cor. secs. 1, 2, 35, and 36, about 300 ft. SE. of church, 10 ft. S. and 30 ft. W. from T-rd. S., in root on N. side of 12-in. oak tree; copper nail and washer	726.96
T. 50 N., R. 1 E., cor. secs. 25, 26, 35, and 36, about 600 ft. E. of T-rd. S., 15 ft. N. and 10 ft. W. from T-rd. N., on S. end of head wall of concrete culvert; chiseled square	738.28
T. 50 N., R. 1 E., in SE 1/4 NE 1/4 sec. 26, 25 ft. N. and 80 ft. E. from NE. corner of schoolhouse, 10 ft. S. and 30 ft. W. from fence corner, in root on N. side of 18-in. oak tree; copper nail and washer	773.78
T. 50 N., R. 1 E., in NW 1/4 sec. 23, 500 ft. N. of curve in rd., 30 ft. N. of junction of private rd. W., in root on W. side of 24-in. oak tree; copper nail and washer	785.40
T. 50 N., R. 1 E., W. sixteenth cor. between secs. 11 and 14, 30 ft. S. and 10 ft. E. from crossroads, on head wall of concrete culvert; chiseled square	818.02
New Hope, about 1.2 mi. SW. of, in NW 1/4 SW 1/4 sec. 2, T. 50 N., R. 1 E. (actually in land grant), 15 ft. S. and 75 ft. E. from T-rd. S., in root on W. side of lone 24-in. hedge tree; copper nail and washer	845.00

5. SOUTH ALONG NORTH HALF OF WEST BORDER

(Continued from Louisiana No. 4 quadrangle; see line 1.)

Eolia, 1 mi. SE. of, along old U.S. Highway 61, at bottom of large ravine, 10 ft. W. of highway, on rock head wall of culvert; chiseled square	719.75
T. 51 N., R. 1 W., in NW 1/4 sec. 11, 10 ft. N. and 25 ft. E. from T-rd. W., 3 ft. N. of T-fence E., in root on W. side of 6-in. elm tree; copper nail and washer	799.41
Liles School, about 800 ft. S. of, near SW. cor. sec. 11, T. 51 N., R. 1 W., 35 ft. N. and 25 ft. E. from rd. at lane NE., in concrete post; standard tablet stamped "T T Sta No 32 F 1928"	825.899
T. 51 N., R. 1 W., near quarter cor. between secs. 14 and 15, 60 ft. S. and 20 ft. E. from T-rd. E., on top of E. end of corrugated iron pipe culvert; (mark not described)	827.16
T. 51 N., R. 1 W., in W 1/2 sec. 23 (actually in land grant), 10 ft. S. and 15 ft. W. from crossroads, on top of S. end of corrugated iron pipe culvert; (mark not described)	817.83
Mill Creek Church, 10 ft. S. and 45 ft. E. from SE. corner of, 140 ft. S. and 10 ft. W. from N. branch of rd. forks, in concrete post; standard tablet stamped "T T Sta No 33 F 1928"	768.032
Reference mark, on first concrete step to church; (mark not described)	772.83
Auburn, about 2 mi. N. of, along old U.S. Highway 61, 30 ft. S. and 15 ft. W. from highway at rd. W., on rock head wall of culvert; chiseled square	793.19
Auburn, 0.8 mi. N. of, along old U.S. Highway 61, 8 ft. S. and 15 ft. E. from highway at rd. E., on rock head wall of culvert; chiseled square	775.54

6. IN SOUTHWEST QUARTER OF QUADRANGLE (by W. A. Tingey in 1934)

Troy, 2.7 mi. N. and 2 mi. E. from, in center of W 1/2 sec. 17, T. 49 N., R. 1 E., in root on E. side of triangular-blazed sycamore tree; nail and washer	478.21
T. 49 N., R. 1 E., in SW 1/4 sec. 8, 4 ft. N. and 12 ft. W. from rd. fork NW., in root on E. side of 30-in. sycamore tree; nail and washer	489.83
T. 49 N., R. 1 E., center sec. 8, 10 ft. E. of rd. corner from W.-N., in root on NW. side of 30-in. black-oak tree; nail and washer	632.24
T. 49 N., R. 1 E., quarter cor. between secs. 5 and 8, 20 ft. W. of rd. corner from S.-E., in root on S. side of 30-in. black-oak tree; nail and washer	660.60
T. 49 N., R. 1 E., center of SE 1/4 sec. 5, 125 ft. S. and 12 ft. E. from rd. at fence W., 830 ft. S. of dwelling of John Holt, on summit of ridge, 12 ft. E. of rd., 13 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 1 B 1934"	675.832
Tps. 49 and 50 N., R. 1 E., on line between secs. 5 and 32, 10 ft. S. and 104 ft. W. from T-rd. S., in root on NE. side of 20-in. black-oak tree; copper nail and washer	682.86
T. 50 N., R. 1 E., S. cor. secs. 32 and 33, 15 ft. N. and 20 ft. E. from T-rd. N., on high point of rock; painted square	690.50
T. 50 N., R. 1 E., quarter cor. between secs. 32 and 33, 5 ft. S. and 15 ft. E. from rd. at E.-W. fences, on high point of rock; painted square	693.31
T. 50 N., R. 1 E., cor. secs. 28, 29, 32, and 33, 38 ft. N. and 18 ft. W. from crossroads, in root on S. side of 18-in. hickory tree; copper nail and washer	678.76
T. 50 N., R. 1 E., quarter cor. between secs. 28 and 29, 80 ft. S. and 11 ft. E. from T-rd. W., in root on NW. side of 10-in. mulberry tree; nail	721.03
T. 50 N., R. 1 E., center sec. 29, 11 ft. N. and 11 ft. E. from iron pin in T-rd. E., 4 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 2 B 1934"	710.951
T. 50 N., R. 1 E., near S. sixteenth cor. between secs. 29 and 30, 75 ft. N. and 40 ft. E. from rd. fork NE., in root on SE. side of 24-in. white-oak tree; copper nail and washer	698.79

T. 50 N., R. 1 E., in NE 1/4 NE 1/4 sec. 31, 65 ft. E. of SW. corner of log cabin, in root on SE. side of 24-in. white-oak tree; copper nail and washer	<u>Feet</u>
T. 50 N., R. 1 E., in NW 1/4 sec. 31, 5 ft. S. of ford across Sugar Creek, in root on E. side of 30-in. triangular-blazed elm tree; copper nail and washer	680.67
T. 50 N., R. 1 E. and 1 W., near line between secs. 31 and 36, 45 ft. S. and 12 ft. W. from T-rd. S., in root on S. side of 18-in. white-oak tree; copper nail and washer	551.63
T. 50 N., R. 1 W., in NE 1/4 sec. 36, 11 ft. S. and 420 ft. E. from rd. corner E.-S., on culvert; chiseled square	666.86
	697.13

7. NEAR MIDDLE OF WEST BORDER OF QUADRANGLE (by T. G. Drummond in 1935)

Rd. fork N., 120 ft. E. of; on N. curb of bridge; chiseled square	699.35
Auburn, 1.2 mi. W. of, 30 ft. S. of rd., in top of 20-in. wooden gate-post; copper nail and washer	764.34
Cross fence, 100 ft. E. of, 150 ft. N. of rd., in root on SW. side of 16-in. elm tree; copper nail and washer	724.98

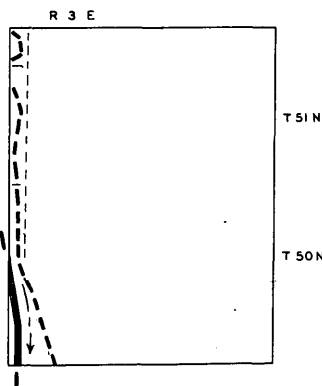
(Continued in Louisiana No. 4 quadrangle; see line 3.)

For additional level lines along Mississippi River and U.S. Highway 61, refer to United States Coast and Geodetic Survey first-order line, Savanna to Grafton, Ill.; and second-order line, Wentzville to Bowling Green.

HARDIN QUADRANGLE*

(Latitude 39°00'-39°15'; longitude 90°30'-90°45')

Lincoln and Pike Counties



1. FROM POINT NEAR MIDDLE OF WEST BORDER OF QUADRANGLE, SOUTH ALONG CHICAGO, BURLINGTON & QUINCY RAILROAD TO SOUTH BORDER (by L. V. Johnson in 1928)

(Continued from Elsberry quadrangle; see line 1.)

Apex, about 0.9 mi. S. of, along Chicago, Burlington & Quincy R.R., 10 ft. S. and 35 ft. E. from private rd. crossing, on N. end of head wall of concrete culvert; chiseled square	441.03
Oasis, in E 1/2 sec. 23, T. 50 N., R. 2 E., 35 ft. S. and 50 ft. E. from track in front of Chicago, Burlington & Quincy R.R. sta., 35 ft. S. and 25 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T Sta No 23 F 1928"	438.152
Reference mark, 5 ft. S. of tablet, in NW. side of telegraph pole; spike	438.70
Kings Lake, 120 ft. S. and 20 ft. E. from Chicago, Burlington & Quincy R.R. sta., 10 ft. S. and 20 ft. E. from private rd. crossing, in W. side of telegraph pole; spike	440.59
Foley, about 0.5 mi. N. of, along Chicago, Burlington & Quincy R.R., 170 ft. S. and 5 ft. W. from private rd. crossing, 40 ft. N. and 5 ft. W. from center of steel bridge, on concrete abutment; chiseled square	443.68
Foley, 145 ft. N. and 70 ft. E. from center of track in front of Chicago, Burlington & Quincy R.R. sta., 30 ft. S. and 70 ft. E. from first rd. crossing N. of sta., in concrete post; standard tablet stamped "T T Sta No 22 F 1928"	441.682

*The greater part of this quadrangle lies in Illinois.

Foley, 0.7 mi. S. of, along Chicago, Burlington & Quincy R.R., 10 ft. S. and 10 ft. W. from private rd. crossing, in E. side of crossing sign; spike
Foley, about 1.8 mi. S. of, along Chicago, Burlington & Quincy R.R., 10 ft. E. of track, on NW. corner of concrete base of signal tower; chiseled square
Winfield, about 0.7 mi. N. of, along Chicago, Burlington & Quincy R.R., 200 ft. S. of private rd. crossing, on NW. corner of concrete base of signal tower; chiseled square

Feet

450.62

444.50

447.93

(Continued in Brussels quadrangle; see line 2.)

For an additional level line along Mississippi River, refer to United States Coast and Geodetic Survey first-order line, Savanna to Grafton, Ill.