

UNITED STATES DEPARTMENT OF THE INTERIOR

Harold L. Ickes, Secretary

GEOLOGICAL SURVEY

W. C. Mendenhall, Director

Bulletin 898-G

SPIRIT LEVELING IN MISSOURI

PART 7. CENTRAL MISSOURI

1896-1938

J. G. STAACK

Chief Topographic Engineer

Prepared in cooperation with the
STATE OF MISSOURI
GEOLOGICAL SURVEY AND WATER RESOURCES
H. A. Buehler, Director



UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1939

CONTENTS

	Page
Introduction	III
Scope of report	III
Cooperation	III
Classification of leveling	III
Adjustments	IV
Benchmarks	IV
Preservation and restoration of benchmarks	VI
Datum	VI
Location of the area	VI
Index map	VII
Diagrams of quadrangles showing routes of leveling	VIII
Personnel	IX
Third-order leveling	871
Index	XI

ILLUSTRATIONS

Plate 1. Geological Survey benchmarks	IV
Figure 13. 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	VII
14. Index map of central Missouri showing the quadrangles into which this section of the State has been divided	VIII

SPIRIT LEVELING IN MISSOURI

PART 7. CENTRAL MISSOURI, 1896-1938

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 in Missouri by the Geological Survey, United States Department of the Interior, 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 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. G., Manual of first-order leveling; U. S. Coast and Geodetic Survey Special Pub. 140, 1929.

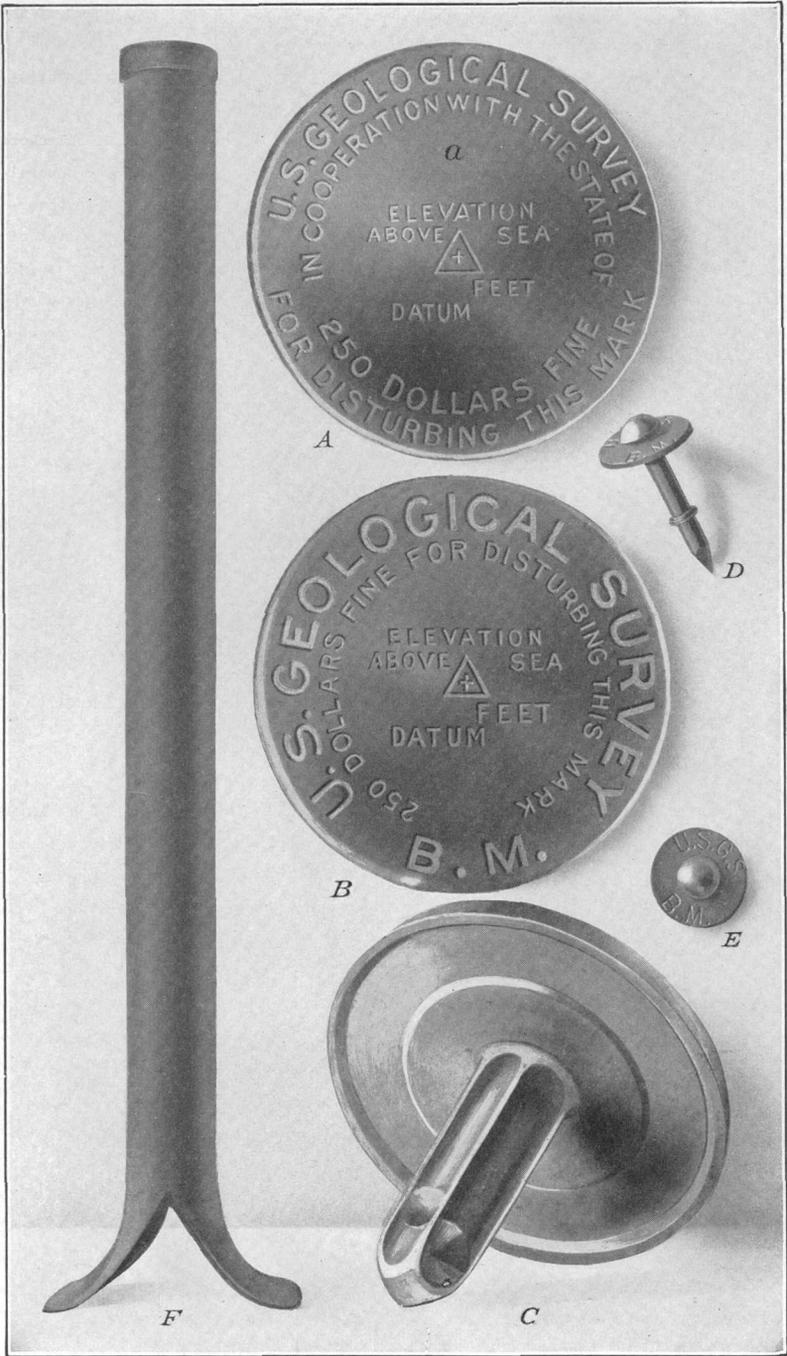
length of circuit in miles. This is equivalent to 0.071 times the square root of the length of section in miles if the line is leveled twice.

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 $3\frac{7}{8}$ inches in diameter, and taper from a thickness of three-eighths of an inch at the center to about a quarter of an inch near the rounded edge. 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. In June 1938 a field party was organized and charged with the responsibility of stamping figures of elevation, to the nearest foot, on the permanent benchmarks established in the State by the Geological Survey. Thus, these figures may appear stamped on the tablets in addition to the identifying letters and numbers quoted in the printed descriptions. 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 diam-

eter 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 $1\frac{1}{2}$ 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, Geological Survey, United States Department of the Interior, Washington, D. C., before taking any action affecting the location or elevation of the mark. A proper form, accompanied by a return-addressed, franked envelope, will be sent for use in reporting the action taken and in recording the revised description of the mark, if any, and the notes made in obtaining the revised elevation.

Datum.—All elevations determined by the 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.—Central Missouri, as the term is used in this bulletin and as the subject of part 7 of the bulletin, is that section of the State lying between latitudes $38^{\circ}00'$ and $39^{\circ}30'$ and between longitudes $92^{\circ}00'$ and $93^{\circ}30'$. (See fig. 13.)

*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.

Index map.—The accompanying index map of central Missouri (fig. 14) 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 central Missouri measure 15 minutes in latitude by 15 minutes in longitude. Possible topographic mapping on a larger scale in some of the quadrangle areas may make it necessary to use, for newer 7½-minute quadrangles, the names shown on this index map for 15-minute quadrangles. On the index map the name of each quadrangle is accompanied by the number of the page on which begins the list of descriptions of benchmarks in that quadrangle.

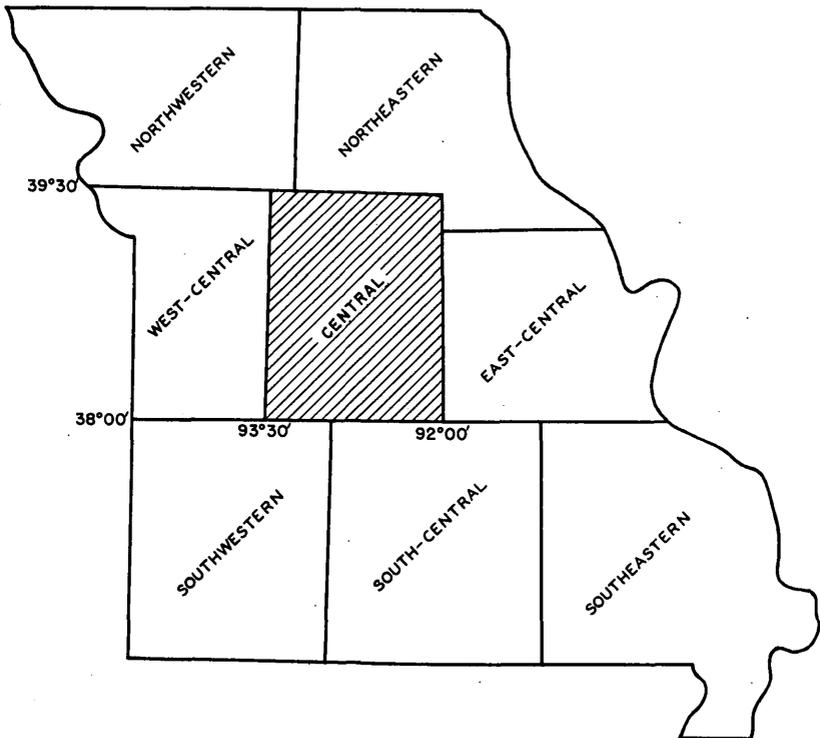


Figure 13.—Outline map of Missouri showing the names and relative position of the eight sections covered by the parts of Bulletin 898, on spirit leveling in the State. The shaded portion represents the section designated as central Missouri.

Maps of many of the quadrangles in 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 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 Sur-

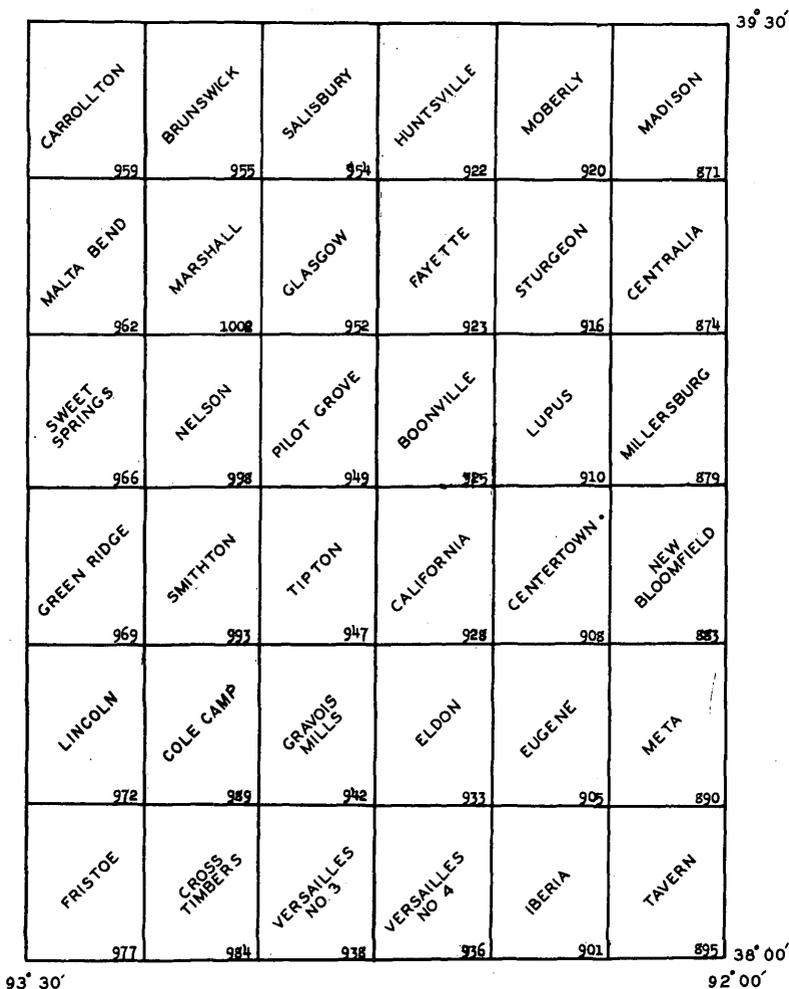
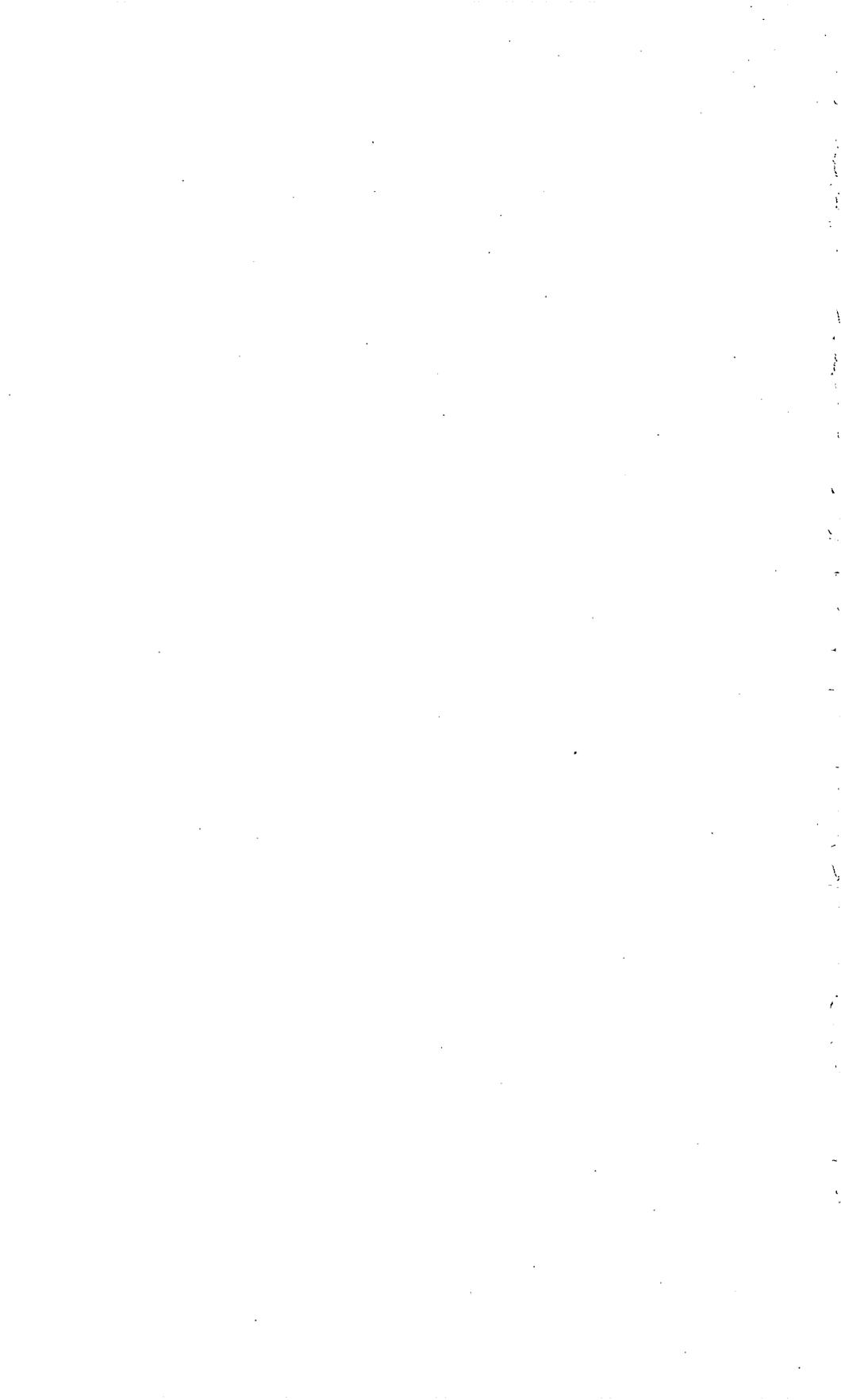


Figure 14.--Index map of central Missouri showing the quadrangles into which this section of the State has been divided.

vey. 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 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 by V. S. Benfell, computer, assisted by P. W. Goin, junior engineer. 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. Broadus, 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.



INDEX

	Page		Page
Abel Bridge (over Flat Creek) . . .	993	Chariton River	955
Adjustment of leveling net	IV	Cherrydale School	974
Afflick School	872	Clarksburg	930
Allen Cemetery	882	Classification of leveling	III-IV
Anderson School	971	Claysville	908
Antioch Church	962	Clifton City	999
Argyle	891, 896	Climax Springs (village)	933,
Ariel Church	918	942, 984, 985, 986	
Armstrong	922	Cole Camp (town)	991, 992
Arthur's Bluff Crossing (over La-		Cole Camp Creek	989
mine River)	951	Cole Camp quadrangle	989-993
Ashland	880, 882, 908, 910-911	Cole triangulation sta	950
Auxvasse	874	Colman School	955
Auxvasse Creek	874	Columbia	876, 880,
		911, 912, 913, 914,	919
Babbtown	892, 894	Conner Creek	882
Bagnell	933, 938	Coon Creek	916
Bagnell Dam across Osage River . .	937	Cooperation	III
Banister	938, 984	Cote sans Desein	889
Barker Creek	976	Cotton	927, 930, 932
Barnes, B. A., leveling by	871-873,	Crocker	895, 904
878, 888, 920, 921, 926-927,		Cross Timbers	988
950, 955-956, 959-961, 965		Cross Timbers quadrangle	984-988
Barnes School	917		
Barnett	933, 934	Damsel	936
Barnumton	939, 940	Datum of elevations	VI
Barren Fork. See Tavern Creek,		Davis Creek	963
Barren Fork of.		De Witt	955-956, 960
Beaman	996, 999	Deatherage School	924
Beck, Cornish, leveling by	873-874,	Deer Creek	985
922, 974-975, 991-992		Deer Park (village)	911, 913
Benchmarks, classes of	IV	Dell	978, 980
forms of	IV-VI, pl. 1	Detweiler, A. L., leveling by	909-910
how set	V-VI	914, 927, 931	
preservation and restoration of . .	VI	Diagrams of quadrangles	VIII
Bentonville	981	See also individual quadrangles	
Bibbee, E. C., leveling by	874, 916-919	Dixie	879, 889
Big Bend Acres store	990	Dixon	896, 898-899
Big Buffalo Creek	992	Doe Creek	924
Big Creek	956	Dresden	967, 971
Blackburn	964, 965	Drippings Springs Church	917
Blackwater	951	Drummond, T. G., leveling by	967-968, 971
Blue Springs Church	934	Dunksburg	966
Bonne Femme Creek	913, 924	Duroc	985, 990
Boonville	926-927		
Boonville quadrangle	925-928	Edmonson	992
Bowers triangulation sta	943	Edwards	985
Boylers Mill (village)	989	Eldon	933
Brazito	907	Eldon quadrangle	933-935
Brinktown	901	Elevations, datum of	VI
Broaddus, W. R., leveling by	874-876,	figures of, accuracy of	V
879-880, 883-884, 895-896, 919		Elk Fork Creek	970
888,		Elliott	920
893-895, 900-901		Elliot School	927
Brown, F. Y., leveling by	888,	Elm Spring Camp	934
893-895, 900-901		Emma	966, 968
Brumley	903	Etterville	906
Brunswick	956	Eugene	906
Brunswick quadrangle	955-958	Eugene quadrangle	905-907
Brushy Fork. See Tavern Creek,		Excelsior	933
Brushy Fork of.			
Buck Snort School	1003	Fairfield	980, 981, 982
Buffalo Prairie School	951	Fairview Church	977
Butler	918-919	Fairville	1003
Browns	874, 918	Fayette	923, 924
Brown School	919	Fayette quadrangle	923-924
Brushy Creek	882	Federal Emergency Relief Adminis-	
Brushwood	914	tration, cooperation with	III
		Finey	979, 983
California	909, 910, 931, 932	Fisher triangulation sta	915
California quadrangle	928-932	Flat Creek (Green Ridge quadrangle)	971
Camdenton	936, 940	Flat Creek (Moberly quadrangle) . .	921
Capps	901, 905	Flat Creek (Smithton quadrangle) . .	993
Carrollton	959-960, 961, 965	See also Abel Bridge	
Carrollton quadrangle	959-962	Flint School	874
Cartwright School	1000, 1001	Florence	947-948, 997
Castle, P. A., leveling by	927,	Fortuna	948
932, 949-950		Freedom School	981
Cedar Creek (Millersburg quad-		Fristoe	981
rangle)	882	Fristoe quadrangle	977-983
Cedar Creek (New Bloomfield quad-		Fulton	879
rangle)	889		
Cedar Grove School	894	Garnett School	957
Centertown quadrangle	908-910	Georgetown	967, 1001
Central Church	881	Gilham triangulation sta	964
Central School	879	Gilliam	953, 1003
Centralia	875-876, 877-878		
Centralia quadrangle	874-878		

	Page		Page
Gladstone	941	Lakeview Beach	940
Glasgow	953	Lamine River	951, 1000
Glasgow quadrangle	952-954	See also Arthur's Bluff Crossing	
Glenn, Robert, leveling by	876, 880	Latham	929-970
Good Luck School	957	Laurgaard, O., leveling by	933, 942-943
Grand Pass (village)	964	Lentz, F. C., leveling by	951, 967-968, 971-972, 980-983, 995-997, 999-1001
Grand River Arm Lake of the Ozarks	975	Leta	960
Grovais Mills (village)	942, 943, 945	Leveling, adjustment of net of	IV
Grovais Mills quadrangle	942-946	classification of	III-IV
Green Ridge (village)	970	in Missouri, earlier publica-	
Green Ridge quadrangle	969-972	tions on	III
Guthrie	882, 888	Liberty Church	875
Guthrie School	923	Lick Fork Church	918
Gwinn School	956	Lick Fork Creek	914
		Limerick	914
Hallsville	877	Lincoln	972, 974, 975
Hamlin, G. R., leveling by	951, 953-954, 956-958, 961-962, 963-965, 1001-1002, 1003-1004	Lincoln quadrangle	972-976
Hancock	895-896	Linden School	961
Harper	983, 982	Linn Creek (village)	956
Harrisburg	916, 919	Little Buffalo store	945, 991
Harsha, E. D., leveling by	923-924, 952-953	Little Clariks Fork Creek	926
Hastain	987	Little Maries Creek	901
Haw Creek	997	Little Murphy Creek	889
Hawkeye	904	Little Pomme de Terre River	980
Hawkins triangulation sta.	957	Little School	961
Hayden	898	Lively	987
Hayes, S. M., leveling by	899-900	Lone Elm	925
Helm	896	Lookout	1000
Hereford	876	Lookout School	979
Hermitage	978	Location of the area	VI
Herndon	962	index map showing	VII
Hibernia	888	Lucky, Frank, leveling by	876, 880
Hibernia sta	883	Lupus	914, 915, 926
Hickory Grove School	877	Lupus quadrangle	910-915
Hickory Point School	969	Lutjen School	989
Higbee	920, 922	Lutman	997
High Hill Cemetery	1001		
High Hill triangulation sta.	958	Macks Creek (village)	938, 987-988
High Point	928, 932, 933, 935	Madison	873
Hinkson Creek	912	Madison quadrangle	871-874
Hinton	918	Majorville	978
Hodgdon, O. F., leveling by	887, 892-893, 898-899, 907, 908-909, 951-952, 935	Malta Bend	964
Holliday	873	Malta Bend quadrangle	962-965
Holliday triangulation sta	873	Malta triangulation sta.	964
Honey Creek	907	Manacle Creek	882
Honey Spring School	903	Marshall	965, 1003, 1004
Hope Dale School	969	Marshall quadrangle	1002-1004
Hopewell School	978	Mattox, R. W., leveling by	971
Houstonia	968	McBaine	914
Hubbard School	944	McClain, R. G., leveling by	914
Hughesville	967	McCredie	880
Hungary Creek	924	McKinley School	935
Hunter, C. E., leveling by	914-915, 928	McMillen, P. W., leveling by	874, 916-919
Hunter triangulation sta	942	Mean sea level, definition of	VI
Huntsville quadrangle	922	Meta	894
		Meta quadrangle	890-895
Iberia	897, 902, 903, 904	Miam	957, 958
Iberia quadrangle	901-904	Middle Creek	879
Iconium	982	Middle Fork School	879
		Middle Grove (village)	871, 921
Jamestown	914, 927	Middle Richland Creek	943
Jefferson City	883, 884-887, 907	Middletown School	927
Johnson, L. V., leveling by	880, 884-887, 890-892, 896-897, 901-903, 905, 908, 910-912, 919, 923, 933, 937	Midway	911-912
Jones, H. P., leveling by	977-978	Minnie	916
Kaiser	937	Minnow Branch School	930
Kendrick triangulation sta	970	Miller Creek	881
Kennedy, W. V., leveling by	878, 881-882, 884, 888-890, 908, 910-912, 915, 954-955	Millersburg	881, 882
Kennedy triangulation sta.	892	Millersburg quadrangle	879-882
Knobnoster	967, 969	Missouri Geological Survey and	
Koeltztown	891-892	Water Resources, coopera-	
Kremel School	955	tion with	III, IX
Kuebler, R. B., leveling by	967, 969-971, 973-974, 995	Missouri River	890
		Missouri State Highway Commission,	
La Monte	967	cooperation with	III
Lake Creek	995, 997	Moberly	920
Lake Creek Methodist Church	997	Moberly quadrangle	920-922
Lake Creek School	995	Moniteau River	910
Lake of the Ozarks	940, 941, 945, 986, 990	Moore, G. W., leveling by	956, 938-940, 984
		Mount Airy School	1003
		Mount Gilead Church	897
		Mount Hulda	989
		Mount Vernon triangulation sta	914
		Muddy Creek	967
		Napton	1002
		Naylor School	916
		Nelson	998, 1002

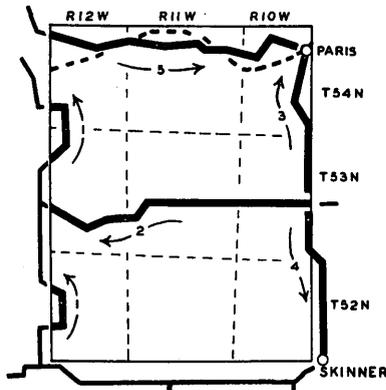
	Page		Page
Nelson quadrangle.	998-1002	Rocky Mount Church	924
New Bloomfield	884, 888	Ross School.	989
New Bloomfield quadrangle.	883-890	Ross triangulation sta	990
New Frankfort.	957-958	Routon Church.	934
New Lebanon.	949	Rucker	916, 917, 920
New Salem Baptist Church	931	Russellville	908-909, 952
New Salem School	926		
New Zion Church.	930	St. Elizabeth.	897, 901, 905
Nonsuch.	939	St. John's Lutheran Church	973
North Jefferson.	883, 884, 890	St. Paul's Lutheran Church	953
		St. Thomas	892-893
Oak Grove School (Moberly quad-		Sagrada.	986-987
angle).	920	Sagrada Ferry across Lake of the	
Oak Grove School (Sturgeon quad-		Ozarks	990
angle).	918	Salisbury.	954-955
Oak Hill School.	999	Salisbury quadrangle	954-955
Oakdale School	924	Salt Fork Creek.	1003
Oakland Church	918	Sandyhook.	915
O'Bryan School	955	Santiago	976
Old Banister. See Banister.		Schnackenburg triangulation sta.	991
Old Overton. See Overton.		Schubert	887, 888, 890
Oldham	889, 908	Schuyler	974
Olean.	933	Scope of report.	III
Olive Branch Baptist Church.	1000	Scott, S. B., leveling by.	967, 971, 995
Ozarks, Lake of. See Lake of the		Sedalia.	971, 993, 995, 996
Ozarks.		Shackelford.	965
Osage Bluff (village).	893	Shaw	876
Osage City	887, 888	Shepherd, C. T., leveling by	975-976, 979-980, 992-993
Osage River.	979	Sheppard	914
Osage triangulation sta.	388	Skinner	873, 876
Otterville	947, 995, 997	Slater triangulation sta	1004
Overton.	925	Smelzer Creek.	967
		Smith Chapel of Methodist Episco-	
Painted Rock Club.	894	pal Church	1002
Paris.	872-873	Smithton	995
Passo.	974, 975	Smithton quadrangle.	993-997
Perche Church.	916	Sory triangulation sta	981
Perche Creek	918, 919	South Moreau River	907
Persinger.	912	See also Taylor Bridge.	
Personnel.	IX	Spearman School.	903
Petite Saline Creek.	950	Speed.	950
Pierpoint.	913	Steinmetz.	952, 953
Pilot Grove (village).	950, 951, 999	Stephens	876, 877, 878, 882, 918, 919
Pilot Grove quadrangle	949-951	Stinson Creek.	879
Pisgah	927	Stone Wall School.	1004
Pisgah Creek	927	Stover Creek	948
Pleasant Green School.	985, 987	Sturgeon	876, 917, 919, 920, 921
Pleasant Grove Church (Moberly		Sturgeon quadrangle.	916-920
quadrangle).	921	Sunny Side School.	996
Pleasant Grove School (Gravois		Sunrise Beach.	941
Mills quadrangle).	943	Sweet Springs (city).	963
Pleasant Hill Baptist Church.	907	Sweet Springs quadrangle	966-968
Pleasant Valley School (Iberia		Switzer	919
quadrangle).	907	Syracuse	947
Pleasant Valley School (Nelson			
quadrangle).	998	Taos	888, 894
Poplar	976	Tavern Creek	904
Posts, use of, to hold benchmarks.	V	Barren Fork of.	904
Prairie Grove School	982	Brushy Fork of.	904
Prairie Hollow School.	929	Tavern quadrangle.	895-901
Prairie Home (village).	926	Taylor Bridge (over South Moreau	
Prairie Valley School	946	River).	907
Fres triangulation sta	889	Tedieville	968
Fresley, W. L., leveling by.	899	Thompson, C. P., leveling by	928-931, 935, 941-942, 945-946, 949, 962-963, 966-967, 969-970, 973-974, 979, 986-988, 990-992, 993-995, 998, 999-1000, 1002-1003
Preston triangulation sta.	978	Thompson	878
Proctor.	942, 943, 945	Tipton	930, 947
Proctor School	945	Tipton quadrangle.	947-949
Providence School.	935	Trinity Lutheran Church.	926
Pyrmont.	994	Truitt School.	882
		Tudor, S. T., leveling by.	976
Quadrangles in central Missouri,		Turkey Creek	979
index map showing.	VII, VIII	Turkey Creek Chapel.	980
See also descriptions and dia-		Turners.	914
grams under individual		Turner School (Millersburg quad-	
quadrangles.		rangle).	881
Quincy	977, 982	Turner School (Sturgeon quadrangle)	918
		Tuscumbia.	902, 903, 904, 905, 906-907, 933
Racket	975		
Reick, C. E., leveling by.	903-904, 936-937, 940-941, 943, 972-973, 978-979, 985, 989-990	Ulman.	902
Reid triangulation sta	968	Utz triangulation sta.	961
Rheinhart School	999		
Rickey Church.	944	Van Cleve.	896
Ridge triangulation sta.	998	Van Horn Church.	960
Riverview School	990		
Roach.	939		
Rocheport.	923, 925		
Rocky Ford Creek	912		
Rocky Mount (village).	933, 934		

	Page		Page
Van Meter School	961	Walnut Grove School (Fayette quad-	
Valda	995	rangle).	923
Vandiver, D. V., leveling by	874, 916-919,	Wardsville	894-895
920, 922, 923, 925, 952		Warsaw	972, 973, 978-979
Versailles	942, 943, 944	Weaverly	963, 964
Versailles No. 1 quadrangle. See		Weaver School	981
Eldon quadrangle.		Weber, D. W., leveling by	876
Versailles No. 2 quadrangle. See		Westphalia	890-891, 892, 893
Gravois Mills quadrangle.		White Branch	970
Versailles No. 3 quadrangle.	938-942	White Cloud	977
Versailles No. 4 quadrangle.	936-938	White Cloud Church	881
Versailles North Base triangula-		White Sulphur Springs Camp	983
tion sta	943, 946	Windsor	970
Vienna	898, 899-900	Wisdom	980
Vinyard, J. H., leveling by	871,	Williams, C. W., leveling by	968
880, 904, 906-907, 912-914,		Williams, O. D., leveling by	871,
919, 921, 925-926, 927,		877-878, 919, 921	
932, 933-935, 937-938,		Woodlandville	918, 918
942, 943-945, 949-950		Works Progress Administration, co-	
Vivion School	880	operation with	III, IX
Vogel triangulation sta.	984	Yates	922
Wade School	877	Youngs Creek	873
Wainwright	889-890	Zebra	936, 937
Walnut Grove School (Cross Timbers			
quadrangle).	987		

THIRD-ORDER LEVELING

MADISON QUADRANGLE
(Latitude 39°15'-39°30'; longitude 92°00'-92°15')

Audrain and Monroe Counties



1. FROM MOBERLY QUADRANGLE AT SEC. 22, T. 52 N., R. 12 W., NORTH INTO MOBERLY QUADRANGLE AT SEC. 16, T. 54 N., R. 12 W. (by O. D. Williams and J. H. Vinyard in 1934)
(Continued from Moberly quadrangle; see line 3.)

	<u>Feet</u>
T. 52 N., R. 12 W., in NW 1/4 sec. 22, at T-rd. E., in front yard of farmhouse, in 30-in. ash tree; copper nail and washer	842.11
T. 52 N., R. 12 W., in SW 1/4 sec. 15, at T-rd. W., in root of twin locust tree; copper nail and washer	842.73
T. 52 N., R. 12 W., near SW. cor. sec. 10, 20 ft. N. of fence, in root of 24-in. ash tree; copper nail and washer	843.52
(For balance in Moberly quadrangle, see line 3.)	
Middle Grove, 1.2 mi. NE. of, in NE 1/4 sec. 9, T. 53 N., R. 12 W., about 0.2 mi. W. of turn in rd. from SW.-N., in root of 24-in. elm tree; copper nail and washer	809.33
T. 53 N., R. 12 W., cor. secs. 3, 4, 9, and 10, 200 ft. N. of T-rd. E., W. of rd., in root of 28-in. elm tree; copper nail and washer	817.40
T. 53 N., R. 12 W., near N. cor. secs. 3 and 4, opposite private rd. W., in root of 24-in. walnut tree; copper nail and washer	777.96
T. 54 N., R. 12 W., in SW 1/4 sec. 34, at entrance to Ownby School, on N. corner of top step; chiseled square	792.23
T. 54 N., R. 12 W., near cor. secs. 27, 28, 33, and 34, at T-rd. S., in root of 18-in. oak tree; copper nail and washer	776.15
T. 54 N., R. 12 W., near quarter cor. between secs. 27 and 34, 30 ft. N. and 20 ft. E. from T-rd. N., in concrete post; standard tablet stamped "65 C W A 1934"	777.056
Reference mark, at T-rd. N., on center stone of W. head wall of culvert; chiseled square	776.27
T. 54 N., R. 12 W., near center sec. 27, in front yard of farmhouse of Clay Swartz, in root of 18-in. locust tree; copper nail and washer	781.25
T. 54 N., R. 12 W., near quarter cor. between secs. 22 and 27, on E. head wall of culvert; chiseled square	726.45
T. 54 N., R. 12 W., near center sec. 22, in front yard of farmhouse, in root of 30-in. maple tree; copper nail and washer	787.84
T. 54 N., R. 12 W., near quarter cor. between secs. 15 and 22, 0.5 mi. S. of U.S. Highway 24, in root of 36-in. elm tree; copper nail and washer	775.24
T. 54 N., R. 12 W., near center sec. 15, on U.S. Highway 24, at rd. S., on W. head wall of culvert; chiseled square	775.67
T. 54 N., R. 12 W., near quarter cor. between secs. 15 and 16, 50 ft. N. and 35 ft. W. from U.S. Highway 24 at rd. N., in concrete post; standard tablet stamped "64 C W A 1934"	790.397
Reference mark, NE. of highway at rd. N., on E. head wall of culvert; chiseled square	788.31

(Continued in Moberly quadrangle; see line 3.)

2. FROM FLORIDA QUADRANGLE AT SEC. 14, T. 53 N., R. 10 W., WEST ALONG COUNTY ROUTE M TO SEC. 15, T. 53 N., R. 11 W., THENCE WEST ALONG ROADS INTO MOBERLY QUADRANGLE AT SEC. 21, T. 53 N., R. 12 W. (by B. A. Barnes in 1935)

T. 53 N., R. 10 W., cor. secs. 14, 15, 22, and 23, 26 ft. S. and 45 ft. E. from junction of State Highway 15 and rd. E., in concrete post; standard tablet stamped "T T Sta No 17 M 1926"	787.978
Reference mark, 70 ft. W. of tablet, on center of S. head wall of concrete culvert; chiseled square	787.16

	<u>Feet</u>
T. 53 N., R. 10 W., on line between secs. 15 and 22, 60 ft. N. of highway, in root of twin maple tree; crossed nails	788.51
T. 53 N., R. 10 W., cor. secs. 15, 16, 21, and 22, 20 ft. S. and 15 ft. W. from crossroad, on center of W. head wall of concrete culvert; chiseled square	790.28
T. 53 N., R. 10 W., on line between secs. 16 and 21, in front of dwelling, in root of 12-in. locust tree; crossed nails	783.49
T. 53 N., R. 10 W., cor. secs. 16, 17, 20, and 21, 40 ft. S. and 100 ft. E. from crossroad, in root of 14-in. cedar tree; copper nail and washer	787.37
Top of hill, at corner fence post; surface of ground	799.2
T. 53 N., R. 10 W., cor. secs. 17, 18, 19, and 20, 38 ft. S. of highway, 2 ft. N. of corner fence post, in concrete post; standard tablet stamped "1927 E R A 1935"	794.522
T. 53 N., R. 10 W., near quarter cor. between secs. 18 and 19, 60 ft. S. and 20 ft. W. from crossroad, in root on NW. side of 16-in. cottonwood tree; crossed nails	788.28
T. 53 N., Rs. 10 and 11 W., cor. secs. 13, 18, 19, and 24, 30 ft. S. and 300 ft. E. from crossroad, in root of 30-in. cottonwood tree; copper nail and washer	785.14
T. 53 N., R. 11 W., near W. sixteenth cor. between secs. 13 and 24, opposite junction of rd. N., in root of 14-in. ash tree; crossed nails	805.86
T. 53 N., R. 11 W., in SE 1/4 sec. 14, 30 ft. N. and 15 ft. W. from junction of lane N. to barnyard of Cicero Murphy, in root on SW. side of 20-in. locust tree; copper nail and washer	806.68
T. 53 N., R. 11 W., cor. secs. 14, 15, 22, and 23, 38 ft. N. and 90 ft. E. from junction of County Route 0, 58 ft. N. and 12 ft. W. from lone 24-in. elm tree, in concrete post; standard tablet stamped "1928 E R A 1935"	811.568
T. 53 N., R. 11 W., cor. secs. 15, 16, 21, and 22, on SE. corner of front concrete step of dwelling of Clyde Marshall; chiseled square	812.50
T. 53 N., R. 11 W., cor. secs. 16, 17, 20, and 21, 100 ft. N. and 30 ft. E. from crossroads, in root on SW. side of 16-in. cherry tree; copper nail and washer	809.36
T. 53 N., R. 11 W., quarter cor. between secs. 17 and 20, 60 ft. N. and 40 ft. W. from T-rd. E., in root of 26-in. mulberry tree; copper nail and washer	814.54
T. 53 N., R. 11 W., S. sixteenth cor. sec. 18, 28 ft. N. and 38 ft. E. from T-rd. N., in concrete post; standard tablet stamped "1929 E R A 1935"	794.571
T. 53 N., Rs. 11 and 12 W., near S. sixteenth cor. between secs. 13 and 18, opposite T-rd. E., in root on W. side of 18-in. walnut tree; crossed nails	783.32
T. 53 N., Rs. 11 and 12 W., cor. secs. 13, 18, 19, and 24, opposite T-rd. W., in base of corner fence post; spike	808.36
T. 53 N., Rs. 11 and 12 W., on line between secs. 19 and 24, on NE. concrete wing wall of small bridge over branch; chiseled square	783.59
T. 53 N., Rs. 11 and 12 W., cor. secs. 19, 24, 25, and 30, 70 ft. S. and 20 ft. W. from rd. corner N.-W., in root of 16-in. locust tree; copper nail and washer	822.56
T. 53 N., R. 12 W., quarter cor. between secs. 24 and 25, 130 ft. W. of T-rd. S., on SW. concrete wing wall of small bridge; chiseled square	795.09
T. 53 N., R. 12 W., cor. secs. 23, 24, 25, and 26, 10 ft. N. and 30 ft. E. from NE. corner of Afflick School, 40 ft. S. and 60 ft. W. from T-rd. N., on concrete base of flagpole; chiseled square	830.35
T. 53 N., R. 12 W., near quarter cor. between secs. 25 and 26, near crest of slope, at driveway to barn, in root on SW. side of 14-in. mulberry tree; nail and washer	836.88
T. 53 N., R. 12 W., cor. secs. 22, 23, 26, and 27, 36 ft. S. and 165 ft. W. from rd. at fence S., 3 ft. E. of fence, in concrete post; standard tablet stamped "1930 E R A 1935"	822.999
Valley, 100 ft. S. of rd., in root on NE. side of 28-in. oak tree; crossed nails	786.28
T. 53 N., R. 12 W., near cor. secs. 21, 22, 27, and 28, 30 ft. S. of SW. corner of dwelling of James Allen, 20 ft. N. and 35 ft. W. from T-rd. S., in root of 24-in. maple tree; copper nail and washer	782.36
T. 53 N., R. 12 W., near quarter cor. between secs. 21 and 22, opposite T-rd. W., in root of 15-in. oak tree; crossed nails	778.09

(Continued in Moberly quadrangle; see line 4.)

3. FROM SEC. 11, T. 53 N., R. 10 W., NORTH ALONG STATE HIGHWAY 15 TO PARIS, INCLUDING THAT PART OF THE LINE IN FLORIDA QUADRANGLE (by B. A. Barnes in 1935)*

T. 53 N., R. 10 W., in SE 1/4 sec. 3, 70 ft. S. of private lane W. to farmhouse of R. N. Davis, on center of W. head wall of concrete culvert; chiseled square	699.95
Junction of rd. E.; surface of highway	738.9
T. 54 N., R. 10 W., near quarter cor. between secs. 34 and 35, near junction of rd. E., on S. head wall of concrete culvert; chiseled square	747.75
Paris, 4 mi. S. of, in NE 1/4 sec. 34, T. 54 N., R. 10 W., 25 ft. N. and 28 ft. E. from crossroad, in concrete post; standard tablet stamped "T T Sta No 18 M 1926"	757.787
Crossroad, on SE. head wall of concrete culvert; chiseled square	737.51
Paris, about 2.5 mi. S. of, in top of upstream end of S. pier of S. truss of bridge over Elk Fork of Salt River; standard tablet (set by water-resources branch of U.S. Geol. Survey)	645.998
Paris, 1.5 mi. S. of, center of E. head wall of concrete culvert; chiseled square	675.41

*Published also as line 5 of the Florida quadrangle (see Bull. 898-F, p. 769).

	<u>Feet</u>
Paris, 0.5 mi. S. of S. limits of, at junction of State Highway 26, on SW. head wall of concrete culvert under Highway 26; chiseled square	739.90
U.S.C. & G.S. standard disk stamped "J 133 1935"	695.740
U.S.C. & G.S. standard disk stamped "K 133 1935"	696.445
Paris, 10 ft. S. and 78 ft. W. from W. entrance to courthouse, in concrete sidewalk; standard tablet stamped "T T Sta No 19 M 1926"	681.311
U.S.C. & G.S. standard disk stamped "C 124 1935"	660.855
4. FROM SEC. 11, T. 53 N., R. 10 W., SOUTH ALONG STATE HIGHWAY 15 TO SEC. 1, T. 52 N., R. 10 W., THENCE SOUTH ALONG ROADS TO SKINNER, INCLUDING THAT PART OF THE LINE IN FLORIDA QUADRANGLE (by B. A. Barnes in 1935)*	
T. 53 N., R. 10 W., cor. secs. 22, 23, 26, and 27, 30 ft. N. and 25 ft. W. from crossroad, on center of N. head wall of concrete culvert; chiseled square	778.58
Top of hill, 80 ft. S. of filling sta., in root of 20-in. walnut tree; crossed nails	802.49
T. 53 N., R. 10 W., on line between secs. 34 and 35, in top of upstream end of S. abutment of bridge; standard tablet (set by water-resources branch of U.S.Geol. Survey)	753.185
Tps. 52 and 53 N., R. 10 W., cor. secs. 2, 3, 34, and 35, 30 ft. N. and 40 ft. E. from crossroad, on center of N. head wall of concrete culvert; chiseled square	797.08 789.61
Farmhouse, in front yard of, in root of 18-in. ash tree; crossed nails	796.715
U.S.C. & G.S. standard reference disk stamped "T T Sta No 16 M 1926 No 2"	
T. 52 N., R. 10 W., S. sixteenth cor. between secs. 1 and 2, 40 ft. N. and 30 ft. W. from crossroad, on center of W. head wall of concrete culvert; chiseled square	780.44
T. 52 N., R. 10 W., on line between secs. 11 and 12, on NE. concrete wing wall of steel bridge over Youngs Creek; chiseled square	746.91
Skinner, 2 mi. N. of, near cor. secs. 11, 12, 13, and 14, T. 52 N., R. 10 W., on NW. concrete wing wall of small bridge over branch; chiseled square	774.25
T. 52 N., R. 10 W., quarter cor. between secs. 13 and 14, SW. of T-rd. W., on concrete base of corner fence post; chiseled square	799.54
Skinner, 0.8 mi. N. of, N. sixteenth cor. between secs. 23 and 24, T. 52 N., R. 10 W., on SW. concrete wing wall of steel bridge over branch; chiseled square	791.10
5. FROM MOBERLY QUADRANGLE EAST ALONG U.S. HIGHWAY 24 TO PARIS (by Cornish Beck in 1936)**	
(Continued from Moberly quadrangle; see line 5.)	
T. 54 N., R. 12 W., near E. sixteenth cor. sec. 16, 50 ft. N. and 12 ft. W. from junction of rd. S., in S. side of 16-in. water-oak tree; nail	805.44
T. 54 N., R. 12 W., near quarter cor. between secs. 15 and 16, 50 ft. N. and 35 ft. W. from junction of rd. N., in concrete post; standard tablet stamped "64 C W A 1934"	791.368
T. 54 N., R. 12 W., near center sec. 15, 25 ft. S. and 18 ft. W. from junction of rd. S., on head wall of culvert; chiseled square	776.72
T. 54 N., R. 12 W., near quarter cor. between secs. 14 and 15, 25 ft. S. and 15 ft. E. from crossroad, on head wall of culvert; chiseled square	807.71
Madison, 0.6 mi. W. of, 22 ft. N. and 60 ft. E. from junction of rd. E., on head wall of culvert; chiseled square	777.05 796.088
U.S.C. & G.S. standard disk stamped "V 123 1935"	
Madison, at E. limits of, 25 ft. S. and 20 ft. W. from junction of County Route T, on end of curb; chiseled square	786.98
Madison, 1 mi. E. of, 48 ft. S. and 44 ft. W. from junction of rd. S., 3 ft. N. and 30 ft. W. from corner fence post, in concrete post; standard tablet stamped "1112 O W A 1934"	803.462
T. 54 N., R. 11 W., in SE 1/4 sec. 7, 75 ft. N. and 13 ft. W. from junction of rd. N., on head wall of culvert; chiseled square	778.36
T. 54 N., R. 11 W., on line between secs. 7 and 8, 25 ft. S. and 15 ft. E. from junction of rd. S., on head wall of culvert; chiseled square	795.48
Holliday triangulation sta.; U.S.C. & G.S. standard disk stamped "Holliday 1934"	793.981
U.S.C. & G.S. standard reference disk stamped "Holliday Azi 1934"	789.523
U.S.C. & G.S. standard disk stamped "X 123 1935"	793.607
T. 54 N., R. 11 W., in sec. 9, 25 ft. S. and 75 ft. E. from junction of rd. S., on head wall of culvert; chiseled square	783.02
Holliday, 0.9 mi. S. of, 11 ft. N. and 90 ft. E. from junction of County Route A, on NW. wing wall of bridge; chiseled square	737.91
Holliday, 0.9 mi. S. and about 0.2 mi. E. from, 20 ft. S. and 16 ft. E. from junction of rd. S., on head wall of culvert; chiseled square	756.00
U.S.C. & G.S. standard disk stamped "Y 123 1935"	787.866
Holliday, 1 mi. S. and 1.5 mi. E. from, in NE 1/4 sec. 11, T. 54 N., R. 11 W., 44 ft. S. and 56 ft. W. from crossroad, 1 1/3 ft. NE. of NE. corner of farmhouse of E. H. Williams, 2 ft. inside fence, in concrete post; standard tablet stamped "1413 O W A 1934"	772.232 784.241
U.S.C. & G.S. standard disk stamped "Z 123 1935"	
T. 54 N., R. 11 W., near E. sixteenth cor. between secs. 12 and 13, 25 ft. N. and 12 ft. W. from crossroad, on head wall of culvert; chiseled square	768.95
T. 54 N., R. 10 W., E. sixteenth cor. between secs. 7 and 18, 24 ft. S. and 16 ft. E. from crossroad, on head wall of culvert; chiseled square	729.39
U.S.C. & G.S. standard disk stamped "A 124 1935"	760.359

*Published also as line 6 of the Florida quadrangle (see Bull. 898-F, pp. 769-770).

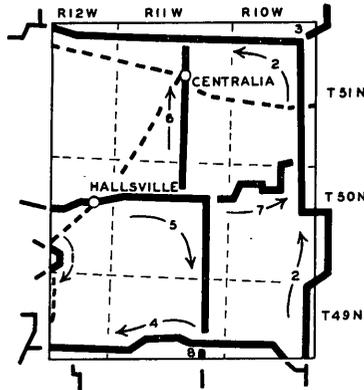
**Published also as line 7 of the Shelbina quadrangle (see Bull. 898-F, pp. 801-802).

T. 5 $\frac{1}{4}$ N., R. 10 W., near quarter cor. between secs. 8 and 17, 235 ft. E. of junction of rd. N., 55 ft. S. and 2 $\frac{1}{4}$ ft. E. from junction of private rd. S., 131 ft. N. and 32 ft. W. from NW. corner of farmhouse of R. L. Clem, in concrete post; standard tablet stamped "1444 C W A 1934"	Feet 770.350
T. 5 $\frac{1}{4}$ N., R. 10 W., in NE $\frac{1}{4}$ sec. 16, 25 ft. S. and 16 ft. E. from junction of rd. S., on head wall of culvert; chiseled square	768.05
U.S.C. & G.S. standard disk stamped "B 124 1935"	761.852
T. 5 $\frac{1}{4}$ N., R. 10 W., near line between secs. 15 and 16, 35 ft. N. and 16 ft. E. from junction of rd. N., in telephone pole; nail	766.96

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

CENTRALIA QUADRANGLE
(Latitude 39°00'-39°15'; longitude 92°00'-92°15')

Audrain, Boone, and Callaway Counties



1. FROM STURGEON QUADRANGLE AT SEC. 27, T. 50 N., R. 12 W., EAST TO WABASH RY., THENCE SOUTHWEST ALONG WABASH RY. INTO STURGEON QUADRANGLE (by D. V. Vandiver in 1905 and P. W. McMillen and E. C. Bibbee in 1912)
(Continued from Sturgeon quadrangle; see line 4.)

Browns, 2.7 mi. N. of, 100 ft. SW. of Wabash Ry. at rd. crossing, in root of 12-in. thorn locust tree; copper nail

904.63

(Continued in Sturgeon quadrangle; see line 4.)

2. FROM MILLERSBURG QUADRANGLE AT SEC. 26, T. 49 N., R. 10 W., NORTH ALONG ROADS AND COUNTY ROUTE E TO SEC. 34, T. 52 N., R. 10 W.; THENCE WEST ALONG ROADS AND STATE HIGHWAY 22 INTO STURGEON QUADRANGLE AT SEC. 34, T. 52 N., R. 12 W., INCLUDING THAT PART OF THE LINE IN MEXICO QUADRANGLE (by W. R. Broadus in 1927)*
(Continued from Millersburg quadrangle; see line 1.)

Auxvasse, 1 mi. S. and 6 mi. W. from, SW $\frac{1}{4}$ sec. 23, T. 49 N., R. 10 W.; 85 ft. NE. of T-rd. E., in concrete post; standard tablet stamped "T T Sta No 9 M 1926" (elev. doubtful)	832.244
T. 49 N., R. 10 W., in SW $\frac{1}{4}$ sec. 23, NE. of T-rd. E., in root of 20-in. elm tree; nail and washer	832.88
Auxvasse Creek, on top of E. end of concrete abutment of bridge; chiseled square	836.97
Auxvasse Creek, under bridge; surface of water April 15, 1927	824.7
Flint School, 0.2 mi. NE. of, near W. sixteenth cor. sec. 14, T. 49 N., R. 10 W., 440 ft. N. of T-rd. S., in root on SE. side of 24-in. locust tree; spike (State Highway B.M.)	928.05
T. 49 N., R. 10 W., in NW $\frac{1}{4}$ sec. 11, 20 ft. N. and 40 ft. W. from T-rd. N., in root on N. side of 18-in. walnut tree; copper nail and washer	904.81
Tps. 49 and 50 N., R. 10 W., about 0.1 mi. E. of cor. secs. 2, 3, 34, and 35, on Audrain-Callaway county line, 20 ft. N. and 3 ft. E. from T-rd. S., in concrete post; standard tablet stamped "T T Sta No 10 M 1926"	919.103
Reference mark, 218 ft. S. 10° W. of tablet, W. of rd., in bench on E. side of 12-in. cherry tree; copper nail and washer	919.63
T. 50 N., R. 10 W., in SW $\frac{1}{4}$ 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

*Line 2 of Mexico quadrangle includes a portion of this line (see Bull. 898-C, p. 433).

	<u>Feet</u>
T. 50 N., R. 10 W., 930 ft. N. of quarter cor. between secs. 14 and 23, 45 ft. S. and 65 ft. W. from center of small bridge, 65 ft. W. of N.-S. rd., in root on E. side of 24-in. elm tree; copper nail and washer	857.81
T. 50 N., R. 10 W., quarter cor. between secs. 11 and 14, 20 ft. N. of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 11 M 1926"	873.332
Reference mark, 445 ft. S. 85° E. of tablet, 20 ft. S. of rd., in root on SE. side of 12-in. ash tree; copper nail and washer	874.41
T. 50 N., R. 10 W., near W. sixteenth cor. between secs. 2 and 11, 180 ft. S. and 135 ft. E. from T-rd. E., in root on W. side of 30-in. maple tree; copper nail and washer	876.99
T. 50 N., R. 10 W., S. sixteenth cor. between secs. 2 and 3, 40 ft. N. and 10 ft. E. from T-rd. N., on top of E. head wall of concrete culvert; chiseled square	862.33
T. 51 N., R. 10 W., S. cor. secs. 34 and 35, 28 ft. S. of T-rd. N., in concrete post; standard tablet stamped "T T Sta No 12 M 1926"	859.136
Reference mark, 145 ft. W. of tablet, on top of E. head wall of concrete culvert; chiseled square	855.26
T. 51 N., R. 10 W., cor. secs. 26, 27, 34, and 35, 30 ft. S. and 20 ft. W. from, 15 ft. W. of N.-S. rd., in root on E. side of 15-in. elm tree; copper nail and washer	852.87
T. 51 N., R. 10 W., 450 ft. S. of cor. secs. 22, 23, 26, and 27, 100 ft. N. and 45 ft. E. from dim rd. crossing Davis Creek, in bench on W. side of leaning 48-in. maple tree; copper nail and washer	774.42
T. 51 N., R. 10 W., on line between secs. 22 and 23, Wabash Ry. at rd. crossing; top of S. rail	851.3
T. 51 N., R. 10 W., on line between secs. 22 and 23, Alton R.R. at rd. crossing; top of S. rail	854.9
T. 51 N., R. 10 W., cor. secs. 14, 15, 22, and 23, 5 ft. S. and 65 ft. E. (35 ft. W. ?) from crossroads (N.-S. rd. now County Route E), in concrete post; standard tablet stamped "T T Sta No 13 M 1926" (as reset)	852.141
Reference mark, S. of tablet, W. of rd. (now County Route E), in root on NW. side of 15-in. cherry tree; copper nail and washer	853.47
T. 51 N., R. 10 W., in SE 1/4 sec. 10, 30 ft. N. and 65 ft. E. from T-rd. W. (N.-S. rd. now County Route E), in root on SW. side of 30-in. maple tree; copper nail and washer	835.38
T. 51 N., R. 10 W., in NE 1/4 sec. 10, in NE. corner of yard of Liberty Church, 25 ft. S. and 20 ft. W. from T-rd. W. (N.-S. rd. now County Route E), in root on N. side of 12-in. hickory tree; copper nail and washer	794.06
T. 51 N., R. 10 W., quarter cor. between secs. 2 and 3, 20 ft. N. and 62 ft. E. from crossroads (N.-S. rd. now County Route E), in concrete post; standard tablet stamped "T T Sta No 14 M 1926"	831.180
Reference mark, 24 ft. E. of tablet, in root on W. side of 6-in. hedge tree; copper nail and washer	830.65
T. 51 N., R. 10 W., in NE 1/4 sec. 3, 330 ft. S. and 70 ft. E. from T-rd. (N.-S. rd. now County Route E), on top of E. head wall of concrete culvert; chiseled square	821.21
T. 52 N., R. 10 W., in SE 1/4 sec. 34, 380 ft. N. and 40 ft. E. from T-rd. (N.-S. rd. now County Route E), in root on W. side of 24-in. honey-locust tree; copper nail and washer	834.65
T. 52 N., R. 10 W., S. cor. secs. 33 and 34, 15 ft. N. and 110 ft. E. from T-rd. N., in root on S. side of 15-in. hedge tree; copper nail and washer	840.34
T. 51 N., R. 10 W., N. cor. secs. 4 and 5, SE. of T-rd. S., on top of E. concrete guard wall of culvert; chiseled square	835.63
T. 51 N., R. 10 W., N. quarter cor. sec. 5, 4 ft. S. and 11 ft. W. from SE. corner of front yard of C. B. Mackay, 33 ft. N. of T-rd. S., in concrete post; standard tablet stamped "8 B 1927"	825.692
Reference mark, 23 ft. S. 70° W. of tablet, in root on NE. side of 24-in. ash tree; copper nail and washer	825.53
Tps. 51 and 52 N., Rs. 10 and 11 W., cor. of, NE. of crossroads, on top of N. head wall of concrete culvert; chiseled square	837.76
Tps. 51 and 52 N., R. 11 W., cor. secs. 1, 2, 35, and 36, SE. of crossroads, on top of E. head wall of culvert; chiseled square	862.50
Tps. 51 and 52 N., R. 11 W., 650 ft. E. of cor. secs. 2, 3, 34, and 35, on top of N. guard wall of W. abutment of small bridge; chiseled square	844.46
Tps. 51 and 52 N., R. 11 W., 580 ft. E. of quarter cor. between secs. 3 and 34, on top of N. head wall of concrete culvert; chiseled square	863.55
Centralia, 2 mi. N. of, quarter cor. between secs. 3 and 34, Tps. 51 and 52 N., R. 11 W., 25 ft. S. and 70 ft. E. from crossroads, in concrete post; standard tablet stamped "9 B 1927"	865.690
Reference mark, 96 ft. N. 50° W. of tablet, NW. of rd. junction, on top of N. head wall of concrete culvert; chiseled square	864.93
Centralia, 2 mi. N. and 0.5 mi. W. from, cor. secs. 3, 4, 33, and 34, Tps. 51 and 52 N., R. 11 W., SE. of T-rd. S. (E.-W. rd. now State Highway 22), on top of E. head wall of concrete culvert; chiseled square	863.58 834.5
Crows Creek, under bridge; surface of water at 11:45 a. m. April 28, 1927	
Centralia, 2 mi. N. and 1.5 mi. W. from, cor. secs. 4, 5, 32, and 33, Tps. 51 and 52 N., R. 11 W., SW. of crossroads (E.-W. rd. now State Highway 22), on top of W. head wall of concrete culvert; chiseled square	860.00
Centralia, 2 mi. N. and 2.5 mi. W. from, cor. secs. 5, 6, 31, and 32, Tps. 51 and 52 N., R. 11 W., 50 ft. N. and 22 ft. W. from T-rd. N. (E.-W. rd. now State Highway 22), 1 ft. inside fence, in concrete post; standard tablet stamped "10 B 1927"	865.164
Reference mark, 61 ft. S. 65° E. of tablet, in root on E. side of 14-in. maple tree; copper nail and washer	865.23

	<u>Foot</u>
Centralia, 2 mi. N. and 3.5 mi. W. from, cor. Tps. 51 and 52 N., Rs. 11 and 12 W., 18 ft. S. and 65 ft. E. from T-rd. N. (E.-W. rd. now State Highway 22), in root on N. side of 12-in. maple tree; copper nail and washer	844.40
T. 51 N., R. 12 W., in NE 1/4 sec. 2, 550 ft. W. of farmhouse of J. L. Palmer, on top of S. head wall of concrete culvert; chiseled square	845.60
Tps. 51 and 52 N., R. 12 W., on line between secs. 2 and 35, Alton R.R. at rd. crossing; top of N. rail	856.7
Sturgeon, 1 mi. N. and 2.2 mi. E. from, along State Highway 22, 0.2 mi. W. of Alton R.R. crossing, 48 ft. S. and 40 ft. W. from junction of rd. N., in concrete post; standard tablet stamped "1825 E R A 1935 B 11 1927"	860.766
Reference mark, S. of tablet, in root on N. side of 20-in. hedge tree; copper nail and washer	859.31
(Continued in Sturgeon quadrangle; see line 6.)	
3. FROM MEXICO QUADRANGLE AT SEC. 35, T. 52 N., R. 10 W., WEST TO SEC. 34, T. 52 N., R. 10 W. (by D. W. Weber in 1929)	
Skinner, 1.5 mi. S. and 1.2 mi. W. from, near E. sixteenth cor. sec. 34, T. 52 N., R. 10 W., 27 ft. N. and 95 ft. E. from rd. corner E.-S., at E. end of picket fence, in root on S. side of 27-in. tree; copper nail and washer	830.00
4. FROM MILLERSBURG QUADRANGLE AT SEC. 28, T. 49 N., R. 10 W., WEST INTO STURGEON QUADRANGLE AT SEC. 22, T. 49 N., R. 12 W. (by Robert Glenn and Frank Lucky in 1934)	
(Continued from Millersburg quadrangle; see line 3.)	
T. 49 N., R. 10 W., E. sixteenth cor. between secs. 21 and 28, SW. of T-rd. W., in root of 36-in. oak tree; copper nail	856.08
T. 49 N., R. 10 W., cor. secs. 20, 21, 28, and 29, 50 ft. N. and 12 ft. W. from rd. corner E.-N., in center of W. head wall of concrete culvert; standard tablet stamped "M T L V C W A 1934"	887.299
Reference mark, 30 ft. W. of tablet, in root of forked hedge tree; (mark not described)	887.28
T. 49 N., R. 10 W., in S 1/2 sec. 20, on E.-W. rd., on S. head wall of concrete culvert; chiseled square	899.78
T. 49 N., R. 10 W., S. sixteenth cor. between secs. 19 and 20, 150 ft. S. of T-rd. E., in root of wild-cherry tree; nail	907.28
Hereford, 1 mi. NE. of, near cor. secs. 19, 20, 29, and 30, T. 49 N., R. 10 W., on S. head wall of concrete culvert; chiseled square	902.74
Hereford, 0.8 mi. N. of, 60 ft. E. of cor. secs. 19, 24, 25, and 30, T. 49 N., Rs. 10 and 11 W., on E.-W. rd., in root of hedge tree; nail	909.28
Stephens, 2 mi. N. and 1 mi. E. from, near cor. secs. 23, 24, 25, and 26, T. 49 N., R. 11 W., on E.-W. rd., on S. head wall of culvert; chiseled square	895.14
Stephens, 2 mi. N. and 0.5 mi. W. from, near quarter cor. between secs. 22 and 27, T. 49 N., R. 11 W., on bridge over Cedar Creek, in center of N. end of floor; copper nail	824.36
Shaw, 2 mi. N. and 2 mi. E. from, quarter cor. between secs. 21 and 28, T. 49 N., R. 11 W., N. of T-rd. S., in root of hedge tree; nail	888.17
Shaw, 2 mi. N. and 1.5 mi. E. from, cor. secs. 20, 21, 28, and 29, T. 49 N., R. 11 W., on S. railing of bridge over small branch; painted square	857.09
Shaw, 2 mi. N. and 1 mi. E. from, W. sixteenth cor. between secs. 20 and 29, T. 49 N., R. 11 W., S. of T-rd. N., in root of 32-in. oak tree; copper nail	863.84
Columbia, 3 mi. N. and 7 mi. E. from, N. sixteenth cor. between secs. 29 and 30, T. 49 N., R. 11 W., in front of farmhouse, 4 ft. S. and 33 ft. E. from rd. corner N.-W., 30 ft. SW. of 20-in. box-elder tree, in concrete post; standard tablet stamped "T T 5 V C W A 1934"	893.382
Reference mark, 30 ft. NE. of tablet, in root of 20-in. box-elder tree; copper nail	893.23
T. 49 N., R. 11 W., in N 1/2 sec. 30, at T-rd. W., on E. head wall of concrete culvert; chiseled square	897.89
Columbia, 3 mi. N. and 5 mi. E. from, quarter cor. between secs. 24 and 25, T. 49 N., R. 12 W., 600 ft. S. of rd., in barnyard, in root of 24-in. walnut tree; copper nail and washer	883.01
Columbia, 3 mi. N. and 4.5 mi. E. from, near quarter cor. between secs. 23 and 26, T. 49 N., R. 12 W., at T-rd. S., on N. head wall of concrete culvert; chiseled square	823.84
Columbia, about 5 mi. NE. of, along Palmer rd., cor. secs. 22, 23, 26, and 27, T. 49 N., R. 12 W., 30 ft. W. of junction of rd. E., 4 ft. N. and 6 ft. W. from fence corner, in concrete post; standard tablet stamped "6 C W A 1934"	824.346
Reference mark, 70 ft. N. of tablet, in root of walnut tree; copper nail	826.36

5. FROM STURGEON QUADRANGLE EAST ALONG COUNTY ROUTES B AND D (now State Highway 124) BY WAY OF HALLSVILLE TO SEC. 10, T. 50 N., R. 11 W., THENCE SOUTH ALONG ROADS TO SEC. 23, T. 49 N., R. 11 W. (by O. D. Williams in 1934)

(Continued from Sturgeon quadrangle; see line 10.)

	<u>Feet</u>
Hallsville, 0.2 mi. W. of, E. sixteenth cor. sec. 14, T. 50 N., R. 12 W., 27 ft. S. of highway, 121 ft. E. of telephone pole, 73 ft. SW. of 17-in. locust tree, 5 ft. N. of corner fence post, in concrete post; standard tablet	896.198
Hallsville, at W. limits of, 40 ft. N. and 19 ft. E. from junction of rd. N., 36 ft. SW. of SW. corner of porch, at W. end of concrete wall, in concrete post; U.S.C. & G.S. and State Survey standard tablet	900.850
Hallsville, about 0.8 mi. NE. of, near E. sixteenth cor. between secs. 12 and 13, T. 50 N., R. 12 W., in corner fence post; nail	914.16
Hallsville, 1.2 mi. NE. of, near W. cor. secs. 7 and 18, T. 50 N., R. 11 W., 80 ft. N. and 25 ft. W. from Wabash Ry. crossing, in concrete post; U.S.C. & G.S. and State Survey standard tablet	908.688
Hallsville, 1.5 mi. NE. of, in SW 1/4 sec. 7, T. 50 N., R. 11 W., 120 ft. N. of N. face of farmhouse on property of Ben Tate, 30 ft. N. of highway, in concrete post; U.S.C. & G.S. and State Survey standard tablet	896.309
T. 50 N., R. 11 W., in SE 1/4 sec. 7, in root of 23-in. locust tree; nail	899.59
T. 50 N., R. 11 W., in NE 1/4 sec. 17, in front of farmhouse, in root of 12-in. cedar tree; nail	903.24
Hallsville, 3 mi. E. of, cor. secs. 8, 9, 16, and 17, T. 50 N., R. 11 W., 458 ft. SE. of dwelling, 42 ft. S. and 28 ft. E. from crossroad, in concrete post; U.S.C. & G.S. and State Survey standard tablet	909.173
T. 50 N., R. 11 W., cor. secs. 8, 9, 16, and 17, 0.3 mi. E. of, 91 ft. NW. of NW. corner of farmhouse, 41 ft. S. of highway, 34 ft. NE. of 12-in. locust tree, 87 ft. NW. of 28-in. locust tree, in concrete post; standard tablet	916.242
T. 50 N., R. 11 W., in SW 1/4 sec. 10, 19 ft. N. of highway, in root of 24-in. elm tree; (mark not described)	916.37
T. 50 N., R. 11 W., in NE 1/4 sec. 15, 100 ft. S. of rd., in 22-in. apple tree; nail	914.53
T. 50 N., R. 11 W., near cor. secs. 10, 11, 14, and 15, 76 ft. S. of SE. corner of farmhouse on property of Elwood Adams, 20 ft. N. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	910.846
T. 50 N., R. 11 W., in NW 1/4 sec. 14, 30 ft. S. and 566 ft. W. from T-rd. S., 94 ft. NE. of NE. corner of barn, in concrete post; U.S.C. & G.S. and State Survey standard tablet	904.367
T. 50 N., R. 11 W., center sec. 14, 20 ft. E. of N.-S. rd., at end of hedge fence E., in root of hedge tree; nail	920.79
T. 50 N., R. 11 W., near N. sixteenth cor. sec. 23, 109 ft. SE. of NE. corner of dwelling, 21 ft. W. of rd., 34 ft. SE. of 25-in. maple tree, in concrete post; standard tablet	921.459
T. 50 N., R. 11 W., about 0.1 mi. S. of center sec. 23, 74 ft. NE. of NE. corner of dwelling, 108 ft. SE. of NE. corner of barn, 20 ft. W. of rd., in concrete post; standard tablet	912.709
T. 50 N., R. 11 W., quarter cor. between secs. 23 and 26, 20 ft. W. of rd., in root of stump; nail	904.30
T. 50 N., R. 11 W., quarter cor. between secs. 26 and 35, NW. of T-rd. W., in root of 12-in. hedge tree; nail	924.29
T. 50 N., R. 11 W., center sec. 35, 27 ft. S. and 420 ft. E. from T-rd. N., 460 ft. NE. of SE. corner of barn, in concrete post; standard tablet	918.904
T. 49 N., R. 11 W., in NW 1/4 sec. 2, near Hickory Grove School, on property of Harvey Hayden, 177 ft. E. of rd., 29 ft. NE. of NE. corner of dwelling of Clyde Chrisman, 28 ft. SW. of SW. corner of summer kitchen, in concrete post; standard tablet	905.825
T. 49 N., R. 11 W., in E 1/2 sec. 2, in root of 30-in. black-oak tree; nail	853.38
T. 49 N., R. 11 W., W. sixteenth cor. between secs. 2 and 11, 150 ft. SE. of SE. corner of concrete storm cellar, 65 ft. W. of rd., in concrete post; standard tablet	899.268
Wade School, 37 ft. SE. of SE. corner of, N. sixteenth cor. sec. 11, T. 49 N., R. 11 W., 45 ft. N. of rd., in concrete post; standard tablet	915.841
T. 49 N., R. 11 W., in NE 1/4 sec. 14, 69 ft. NW. of NW. corner of farmhouse of M. B. Rogers, 220 ft. W. of N.-S. rd., in concrete post; standard tablet	891.983
T. 49 N., R. 11 W., in SE 1/4 sec. 14, 31 ft. N. and 58 ft. E. from T-rd. N., 20 ft. E. of fence corner, in concrete post; standard tablet	871.954
Stephens, 2.5 mi. N. of, near center sec. 23, T. 49 N., R. 11 W., W. of rd., in root of 24-in. oak tree; nail	884.45

6. FROM SEC. 10, T. 50 N., R. 11 W., NORTH ALONG COUNTY ROUTE B (now State Highway 124) TO CENTRALIA, THENCE NORTH ABOUT 1 MILE (by O. D. Williams in 1934)

Hallsville, 4 mi. E. of, near quarter cor. between secs. 10 and 15, T. 50 N., R. 11 W., SE. of junction of rd. E., on top of N. end of iron pipe culvert; painted square	898.83
Centralia, 5.3 mi. S. of, center sec. 10, T. 50 N., R. 11 W., on W. end of sidewalk at Dunbar School; chiseled square	909.73
Centralia, 4 mi. S. of, in NW 1/4 sec. 3, T. 50 N., R. 11 W., SW. of junction of rd. W. on W. end of iron pipe culvert; painted square	892.92
Centralia, 4 mi. S. of, near N. sixteenth cor. sec. 3, T. 50 N., R. 11 W., 111 ft. S. of junction of rd. E., 87 ft. E. of highway, in root of 10-in. soft-maple tree; nail	902.52

Centralia, 2.5 mi. S. of, N. sixteenth cor. sec. 34, T. 51 N., R. 11 W., 28 ft. S. and 30 ft. W. from junction of rd. W., in concrete post; standard tablet stamped "C W A 1934"	Feet 898.171
Reference mark, 400 ft. N. of tablet, on top of S. end of iron pipe culvert; painted square	896.35
Centralia, 1.8 mi. S. of, near N. sixteenth cor. sec. 27, T. 51 N., R. 11 W., 28 ft. E. of highway, in telephone pole; nail	890.34
Centralia, 0.5 mi. S. of, center sec. 22, T. 51 N., R. 11 W., on S. end of W. head wall of culvert; chiseled square	882.83
Centralia, 20 ft. N. and 23 ft. W. from State Highway 22 (East Switzer Street) at North Jefferson Street, in E. end of N. abutment of concrete culvert; standard tablet stamped "C W A 1934"	874.985
Reference mark, 73 ft. S. of Alton R.R. track, E. of North Jefferson Street, on W. side of concrete sidewalk; chiseled square	877.06
Centralia, 0.9 mi. N. of, S. sixteenth cor. sec. 3, T. 51 N., R. 11 W., W. of rd., in telephone pole; nail	871.00

7. FROM SEC. 12, T. 50 N., R. 11 W., EAST TO SEC. 34, T. 51 N.,
R. 10 W. (by O. D. Williams in 1934)

T. 50 N., R. 11 W., on line between secs. 12 and 13, 1,200 ft. E. of Audrain-Boone county line, on W. end of concrete culvert; chiseled square	907.95
T. 50 N., R. 10 W., quarter cor. between secs. 7 and 12, in top of fence post; nail	913.38
T. 50 N., R. 10 W., in NE 1/4 sec. 7, in NE. corner of yard of J. O. Sims, 30 ft. S. of rd., in concrete post; standard tablet	888.002
T. 50 N., R. 10 W., center sec. 8, 20 ft. SW. of stone, in stump; nail	898.96
T. 50 N., R. 10 W., quarter cor. between secs. 4 and 9, in top of fence post; nail	855.52
T. 50 N., R. 10 W., 75 ft. W. of S. sixteenth cor. sec. 3, on step; chiseled square	880.93
T. 50 N., R. 10 W., S. sixteenth cor. between secs. 2 and 3, NE. of T-rd. N., on E. head wall of concrete culvert; chiseled square	862.44

8. FROM MILLERSBURG QUADRANGLE AT SEC. 26, T. 49 N., R. 11 W.,
NORTH ABOUT 1 MILE (by W. V. Kennedy in 1937)
(Continued from Millersburg quadrangle; see line 7.)

Stephens, 2 mi. N. and 0.5 mi. W. from, W. sixteenth cor. between secs. 23 and 26, T. 49 N., R. 11 W., SW. of crossroads, 1 ft. E. of SE. corner of Oak Chapel, on concrete platform; chiseled square	868.14
---	--------

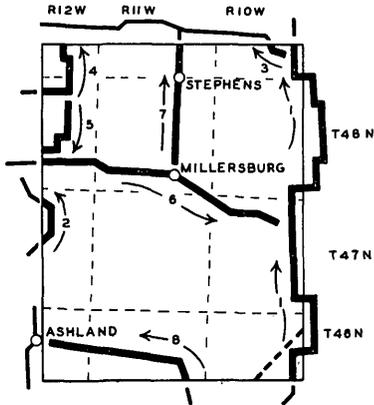
TIE BETWEEN UNITED STATES COAST AND GEODETIC SURVEY SECOND-ORDER LINE
AND UNITED STATES GEOLOGICAL SURVEY THIRD-ORDER LINE NEAR THOMPSON
(by B. A. Barnes in 1935)

T. 51 N., R. 10 W., 450 ft. S. of cor. secs. 22, 23, 26, and 27, 100 ft. N. and 45 ft. E. from dim rd. crossing Davis Creek, in bench on W. side of leaning 48-in. maple tree; copper nail and washer	774.42
U.S.C. & G.S. standard disk stamped "M 125 1935"	850.202
T. 51 N., R. 10 W., on line between secs. 22 and 23, Wabash Ry. at rd. crossing; top of S. rail	851.3
T. 51 N., R. 10 W., on line between secs. 22 and 23, Alton R.R. at rd. crossing; top of S. rail	854.9
T. 51 N., R. 10 W., cor. secs. 14, 15, 22, and 23, 5 ft. S. and 65 ft. E. (35 ft. W. ?) from crossroads (N.-S. rd. now County Route E), in concrete post; standard tablet stamped "T Sta No 13 M 1926" (as reset)	852.141

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

MILLERSBURG QUADRANGLE
(Latitude 38°45'-39°00'; longitude 92°00'-92°15')

Boone and Callaway Counties



1. FROM NEW BLOOMFIELD QUADRANGLE AT SEC. 24, T. 46 N., R. 10 W., NORTH INTO CENTRALIA QUADRANGLE AT SEC. 26, T. 49 N., R. 10 W., INCLUDING THAT PART OF THE LINE IN FULTON QUADRANGLE (by W. R. Broadus in 1927)*
(Continued from New Bloomfield quadrangle; see line 1.)

	<u>Feet</u>
Dixie, 3 mi. N. of, in W 1/2 sec. 13, T. 46 N., R. 10 W., 85 ft. S. of Middle Creek, 20 ft. N. and 10 ft. E. from rd. fork E., in concrete post; standard tablet stamped "T T Sta No 3 M 1926"	667.885
Reference mark, 85 ft. N. 76° W. of tablet; S. of rd., in root on N. side of 30-in. white-oak tree; copper nail and washer	667.79
Middle Creek ford; surface of water at 1 p.m. March 29, 1927	661.3
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 crossroad, 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
T. 47 N., R. 10 W., N. sixteenth cor. sec. 35, 15 ft. S. and 15 ft. W. from T-rd. E., in root on NE. side of 20-in. maple tree; copper nail and washer	827.60
T. 47 N., R. 10 W., near center sec. 26, 135 ft. NW. of crossroads, 1 ft. from front of Middle Fork School, on E. edge of concrete walk; chiseled square	847.32
T. 47 N., R. 10 W., center sec. 23, 0.2 mi. S. of T-rd. E., on top of W. head wall of concrete culvert; chiseled square	817.56
T. 47 N., R. 10 W., quarter cor. between secs. 14 and 23, 220 ft. N. and 20 ft. E. from Alton R.R. at rd. crossing, 55 ft. S. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 5 M 1926"	864.494
Reference mark, 490 ft. S. 5° W. of tablet, on top of W. head wall of concrete culvert; chiseled square	847.72
T. 47 N., R. 10 W., N. sixteenth cor. sec. 14, 40 ft. S. and 70 ft. E. from junction of private lane W., in root on N. side of 16-in. cherry tree; copper nail and washer	882.54
T. 47 N., R. 10 W., near center sec. 11, near Central Church, 80 ft. N. and 15 ft. E. from crossroads, on top of E. head wall of concrete culvert; chiseled square	852.63
T. 47 N., R. 10 W., center sec. 2, 5 ft. S. and 25 ft. W. from T-rd. E., 1 mi. N. of Central School, 2 ft. N. and 8 ft. W. from corner fence post, in concrete post; standard tablet stamped "T T Sta No 6 M 1926"	881.442
Reference mark, 24 ft. N. 85° E. of tablet, in root on NW. side of 24-in. oak tree; copper nail and washer	879.76
Stinson Creek ford; surface of water at 8 a.m. April 6, 1927	789.5
T. 48 N., R. 10 W., near center of NE 1/4 sec. 35, 75 ft. S. and 40 ft. E. from T-rd. W., in root on W. side of 16-in. white-oak tree; copper nail and washer	840.00
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

*Lines 1 and 2 of Fulton quadrangle includes a portion of this line (see Bull. 898-C, pp. 430-431).

	<u>Feet</u>
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
T. 48 N., R. 10 W., in NW 1/4 sec. 2, at Vivion School, NE. of T-rd. N., on top of E. head wall of concrete culvert; chiseled square	871.81
T. 49 N., R. 10 W., W. sixteenth cor. sec. 35, on top of W. end of S. abutment of small bridge over drain; chiseled square	860.86
T. 49 N., R. 10 W., W. sixteenth cor. sec. 26, 35 ft. S. and 60 ft. W. from crossroads, in root on W. side of 15-in. maple tree; copper nail and washer	890.05

(Continued in Centralia quadrangle; see line 2.)

2. FROM LUPUS QUADRANGLE NORTH ALONG U.S. HIGHWAY 63 INTO LUPUS QUADRANGLE (by L. V. Johnson in 1930)
(Continued from Lupus quadrangle; see line 1.)

Ashland, 3.4 mi. N. of, at SE. corner of bridge over Bass Creek, on concrete abutment; chiseled square	792.10
Ashland, 4.1 mi. N. of, 105 ft. S. and 60 ft. W. from crossroad, at Elk Hurst store and service sta., 18 ft. W. of rail fence, in root on SE. side of 24-in. oak tree; copper nail and washer	857.74
Ashland, 5.1 mi. N. of, 1 mi. N. of Elk Hurst store and service sta., 1 mi. S. of Deer Park, 10 ft. S. and 23 ft. W. from junction of private rd. W. through gate to farmhouse, on E. end of S. concrete head wall of culvert; chiseled square	827.17

(Continued in Lupus quadrangle; see line 1.)

3. FROM SEC. 26, T. 49 N., R. 10 W., NORTHWEST INTO CENTRALIA QUADRANGLE AT SEC. 28, T. 49 N., R. 10 W. (by Robert Glenn and Frank Lucky in 1934)

T. 49 N., R. 10 W., near center sec. 27, on S. end of concrete culvert; chiseled square	883.64
T. 49 N., R. 10 W., near E. sixteenth cor. sec. 28, at T-rd. E., in root on NE. side of 20-in. hickory tree; nail	875.43

(Continued in Centralia quadrangle; see line 4.)

4. FROM LUPUS QUADRANGLE AT SEC. 3, T. 48 N., R. 12 W., NORTH INTO CENTRALIA QUADRANGLE AT SEC. 26, T. 49 N., R. 12 W. (by J. H. Vinyard in 1934)
(Continued from Lupus quadrangle; see line 4.)

T. 48 N., R. 12 W., near quarter cor. between secs. 2 and 3, 200 ft. N. of ford across Hominy Branch, 100 ft. W. of rd., in root of 60-in. elm tree; copper nail and washer	765.12
T. 49 N., R. 12 W., near quarter cor. between secs. 34 and 35, SW. of T-rd., on concrete foundation of fence corner; chiseled square	855.00
T. 49 N., R. 12 W., N. of S. cor. secs. 26 and 27, near rd. across branch, N. of rd. at curve to E., in root of 48-in. oak tree; copper nail and washer	791.09

5. FROM SEC. 10, T. 48 N., R. 12 W., SOUTH INTO LUPUS QUADRANGLE AT SEC. 22, T. 48 N., R. 12 W. (by J. H. Vinyard in 1934)

Columbia, 4 mi. E. of, on U.S. Highway 40, N. sixteenth cor. sec. 11, T. 48 N., R. 12 W., on NW. wing wall of bridge over Grindstone Creek; chiseled square	790.06
Columbia, 4 mi. E. of, near quarter cor. between secs. 11 and 14, T. 48 N., R. 12 W., opposite T-rd. N., 30 ft. S. of gate, in pasture, in root of 15-in. hickory tree; copper nail and washer	851.95
Columbia, 3.5 mi. E. of, near NW. cor. sec. 14, T. 48 N., R. 12 W., SE. of T-rd. S., in corner fence post; nail	818.53
T. 48 N., R. 12 W., near NW. cor. sec. 23, on top of N. end of E. girder of bridge; chiseled cross	764.87
T. 48 N., R. 12 W., near quarter cor. between secs. 22 and 23, on old rd. to Fulton, opposite T-rd. N., in root of 12-in. elm tree; nail	790.70

(Continued in Lupus quadrangle; see line 5.)

6. FROM LUPUS QUADRANGLE AT SEC. 27, T. 48 N., R. 12 W., EAST TO MILLERSBURG, THENCE SOUTHEAST ALONG COUNTY ROUTE F TO SEC. 2, T. 47 N., R. 10 W. (by W. V. Kennedy in 1937)
(Continued from Lupus quadrangle; see line 11.)

	<u>Feet</u>
T. 48 N., R. 12 W., quarter cor. between secs. 25 and 26, 25 ft. N. and 130 ft. E. from T-rd. N., 74 ft. SE. of SE. corner of Turner School, in concrete post; U.S.C. & G.S. and State Survey standard tablet	857.711
T. 48 N., R. 12 W., W. sixteenth cor. sec. 25, 140 ft. NW. of NW. corner of dwelling, 25 ft. N. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	856.723
T. 48 N., R. 12 W., center sec. 25, 15 ft. N. and 80 ft. E. from T-rd. S., in root on S. side of 14-in. black-oak tree; copper nail	840.11
T. 48 N., R. 11 W., center sec. 30, 35 ft. S. and 30 ft. W. from T-rd. W., in root on SE. side of 40-in. black-oak tree; copper nail and washer	874.42
T. 48 N., R. 11 W., S. sixteenth cor. sec. 30, 58 ft. NE. of center of concrete culvert, 8 ft. E. of N-S. fence, 3 ft. S. of E-W. fence, E. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	871.660
T. 48 N., R. 11 W., quarter cor. between secs. 30 and 31, 20 ft. N. and 75 ft. E. from T-rd. E., in concrete post; U.S.C. & G.S. and State Survey standard tablet	880.924
Millersburg, 3.5 mi. W. of, 900 ft. W. of quarter cor. between secs. 29 and 32, T. 48 N., R. 11 W., 380 ft. N. and 155 ft. E. from junction of rd. N. to farm, 100 ft. S. of concrete steps to farmhouse, 7 ft. SE. of cedar tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "C W A 1934"	880.965
Millersburg, 3 mi. W. of, near E. sixteenth cor. between secs. 29 and 32, T. 48 N., R. 11 W., 30 ft. N. and 230 ft. W. from T-rd. N., 3 ft. N. of fence, 6 ft. S. and 19 ft. E. from 16-in. walnut tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet	852.979
T. 48 N., R. 11 W., near line between secs. 28 and 33, on Boone-Callaway county line, 60 ft. N. and 170 ft. W. from old ford across Cedar Creek, S. of abandoned rd., 6 ft. S. of fence, in root on S. side of 20-in. elm tree; crossed nails	760.45
Millersburg, 2 mi. W. of, 115 ft. E. of cor. secs. 27, 28, 33, and 34, T. 48 N., R. 11 W., 500 ft. NE. of Baumgartner farmhouse, 20 ft. N. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "C W A 1934"	851.476
Millersburg, 1.8 mi. W. of, in NW 1/4 sec. 34, T. 48 N., R. 11 W., 14 ft. S. and 430 ft. W. from T-rd. S., 51 ft. E. from private drive S., in concrete post; U.S.C. & G.S. and State Survey standard tablet	841.246
Millersburg, 0.5 mi. NW. of, along County Route J, 45 ft. N. and 75 ft. E. from junction of rd. W., in root on NW. side of 20-in. black-oak tree; copper nail and washer	851.48
Millersburg, 5 ft. NE. of Boone monument, 20 ft. E. of rd., in yard of dwelling of W. F. Robinett, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "C W A 1934"	812.364
Millersburg, 0.2 mi. S. of, at junction of County Route J, on center of N. head wall of concrete culvert under Highway J; chiseled square	801.24
Millersburg, 0.6 mi. SE. of Boone monument, about 0.2 mi. E. of farmhouse, 25 ft. N. of highway, 2 ft. S. of fence, in concrete post; standard tablet stamped "1 K 1937"	877.610
Millersburg, 1.5 mi. SE. of, 130 ft. S. of curve in highway to SE., at N. end of rd. fork, 18 ft. W. of side rd., on center of W. head wall of concrete culvert; chiseled square	867.06
Junction of rd. N., 175 ft. E. of, 28 ft. N. of highway at curve, on W. head wall of concrete culvert under private drive N.; chiseled square	832.36
Millersburg, 2 mi. SE. of, about 0.2 mi. W. of bridge over Miller Creek, 40 ft. S. of highway, 110 ft. E. of triangular-blazed, twin oak tree; in concrete post; standard tablet stamped "2 K 1937"	848.313
Millersburg, about 2.2 mi. SE. of, on top of wing wall at NE. corner of bridge over Miller Creek; chiseled cross	785.29
Millersburg, 3.5 mi. SE. of, on NE. corner of doorstep of White Cloud Church; chiseled square	894.64
T. 47 N., R. 10 W., near line between secs. 5 and 8, 18 ft. N. and 30 ft. E. from junction of rd. S., on N. end of iron pipe culvert; painted square	885.52
Millersburg, about 4.2 mi. SE. of, 20 ft. N. and 17 ft. E. from junction of rd. N., on E. end of iron pipe culvert; chiseled square	893.43
Dim crossroad, 15 ft. S. and 60 ft. W. from, on S. head wall of concrete culvert; chiseled square	860.43
Millersburg, 5.2 mi. SE. of, 70 ft. N. and 30 ft. W. from crossroad, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1 C W A 1934"	838.454
T. 47 N., R. 10 W., in NW 1/4 sec. 10, on NE. corner of bridge over Middle River; chiseled square	807.95
T. 47 N., R. 10 W., in NE 1/4 sec. 10, 60 ft. E. of junction of rd. N., 35 ft. NE. of highway, in root on W. side of 16-in. white-oak tree; lead-headed nail	882.22
T. 47 N., R. 10 W., about 0.1 mi. S. of center sec. 11, 200 ft. SE. of Central Church, 80 ft. N. and 12 ft. W. from crossroad, on N. end of W. head wall of concrete culvert; chiseled square	852.80

7. FROM POINT 0.5 MILES NORTHWEST OF MILLERSEBURG NORTH ALONG COUNTY ROUTE J TO U.S. HIGHWAY 40, THENCE NORTH INTO CENTRALIA QUADRANGLE AT SEC. 26, T. 49 N., R. 11 W. (by W. V. Kennedy in 1937)

	<u>Feet</u>
Millersburg, 1.8 mi. N. of, 27 ft. W. of highway, in root on E. side of 30-in. elm tree; copper nail and washer	872.77
T. 48 N., R. 11 W., W. sixteenth cor. between secs. 14 and 23, 15 ft. N. and 27 ft. W. from junction of rd. W., in root on SW. side of 20-in. black-oak tree; copper nail and washer	865.12
T. 48 N., R. 11 W., in SW 1/4 sec. 14, 15 ft. N. and 20 ft. E. from junction of rd. E., on N. end of concrete head wall of culvert; chiseled square	864.31
T. 48 N., R. 11 W., near W. sixteenth cor. sec. 14, at Truitt School, on SE. corner of concrete platform of well; chiseled square	863.83
T. 48 N., R. 11 W., in SW 1/4 sec. 11, 3.8 mi. N. of Millersburg, about 0.3 mi. S. of junction of U.S. Highway 40, 58 ft. W. of NW. corner of airway beacon tower 13, 30 ft. E. of highway, in concrete post; standard tablet stamped "2 C W A 1934"	890.873
T. 48 N., R. 11 W., near W. sixteenth cor. sec. 11, 25 ft. S. and 27 ft. E. from junction of U.S. Highway 40, on E. head wall of concrete culvert; chiseled square	879.41
T. 48 N., R. 11 W., in NW. cor. sec. 11, 0.5 mi. NW. of junction of U.S. Highway 40 and County Route J, 135 ft. S. and 45 ft. E. from T-rd. W., in root on NW. side of 22-in. white-oak tree; copper nail and washer	879.92
Bridge over Manacle Creek, at SW. corner of, on concrete wing wall; chiseled square	814.82
Stephens, at NE. corner of entrance to post office and general store; chiseled square	877.91
Stephens, 1.1 mi. N. of, in SW. cor. sec. 26, T. 49 N., R. 11 W., 18 ft. N. and 25 ft. E. from T-rd. E., on base of brace post to concrete fence post; chiseled square	880.86
T. 49 N., R. 11 W., quarter cor. between secs. 26 and 27, 1.5 mi. N. of Stephens, at SE. corner of Allen Cemetery, 13 ft. NW. of rd., in top of concrete retaining wall; standard tablet stamped "3 C W A 1934"	882.969

(Continued in Centralia quadrangle; see line 8.)

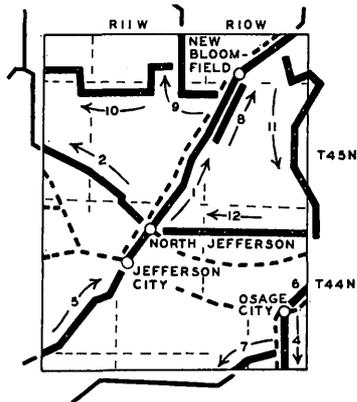
8. FROM NEW BLOOMFIELD QUADRANGLE AT SEC. 23, T. 46 N., R. 11 W., WEST INTO LUPUS QUADRANGLE AT SEC. 11, T. 46 N., R. 12 W. (by W. V. Kennedy in 1937)
(Continued from New Bloomfield quadrangle; see line 9.)

Guthrie, 1.2 mi. W. of, cor. secs. 13, 14, 23, and 24, T. 46 N., R. 11 W., 40 ft. N. and 25 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 8 C 1930"	824.345
T. 46 N., R. 11 W., near quarter cor. between secs. 15 and 22, about 900 ft. W. of T-rd. N., on S. head wall of concrete culvert; chiseled square	735.80
T. 46 N., R. 11 W., cor. secs. 15, 16, 21, and 22, 40 ft. N. and 45 ft. E. from T-rd. S., in root on SE. side of 30-in. white-oak tree; copper nail and washer	770.59
T. 46 N., R. 11 W., near W. sixteenth cor. between secs. 16 and 21, at Boone-Callaway county line, on concrete abutment at NW. corner of bridge over Cedar Creek; chiseled square	583.76
T. 46 N., R. 11 W., near W. sixteenth cor. between secs. 16 and 21, 300 ft. W. of bridge over Cedar Creek, 100 ft. SE. of farmhouse of S. H. Hudson, 30 ft. N. of rd., in farmyard, 2 ft. E. of wooden fence, in concrete post; standard tablet stamped "3 K 1937"	583.003
Bridge over Conner Creek, at SW. corner of, on concrete wing wall; chiseled square	584.82
T. 46 N., R. 11 W., near S. sixteenth cor. between secs. 17 and 18, 55 ft. N. and 18 ft. E. from T-rd. E., 150 ft. S. of rd. corner from S.-W., in root on W. side of 30-in. white-oak tree; copper nail and washer	794.44
Bridge over Brushy Creek, at SW. corner of, on concrete abutment; chiseled square	708.25
T. 46 N., R. 11 W., in SW 1/4 sec. 18, 110 ft. SE. of rds. E., NW., and SW., in root on SW. side of 24-in. white-oak tree; copper nail and washer	804.39
T. 46 N., Rs. 11 and 12 W., cor. secs. 7, 12, 13, and 18, 18 ft. E. of T-rd. W., in concrete post; standard tablet stamped "T T 6 C 1930"	830.507
Rd. forks, 50 ft. NW. of, in bottom of deep drain, in root on SE. side of twin 10-in. white-oak tree; crossed nails	758.42
T. 46 N., R. 12 W., cor. secs. 11, 12, 13, and 14, 1.3 mi. E. of U.S. Highway 63 at Ashland, SE. of crossroads, 20 ft. NE. of farmhouse of Otis Calvin, in root on NW. side of 30-in. maple tree; copper nail and washer	866.36

For an additional level line along U.S. Highway 54, refer to United States Coast and Geodetic Survey second-order line, Mexico to Eldon.

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

Boone, Callaway, Cole, and Osage Counties



1. FROM JEFFERSON CITY NORTH TO NORTH JEFFERSON, THENCE NORTHEAST ALONG ALTON R.R. (now abandoned) TO NEW BLOOMFIELD, THENCE NORTHEAST ALONG U.S. HIGHWAY 54 (formerly State Highway 15) TO SEC. 21, T. 46 N., R. 10 W., THENCE NORTHEAST ALONG ROADS INTO MILLERSBURG QUADRANGLE AT SEC. 24, T. 46 N., R. 10 W. (by W. R. Broadus in 1927)

	<u>Feet</u>
U.S.C.E. (city b.m.)	636.403
Jefferson City, at S. entrance of Public Service Building (old post office building), in vertical face of pillar; standard tablet stamped "1 B 1927 645"	644.603
Jefferson City, at N. side of Capitol Building, 48 ft. E. of walk leading N. from steps, 1 ft. from building face, 1 ft. above sidewalk, in bench; standard tablet stamped "2 B 1927 628"	627.387
Jefferson City, 240 ft. N. of Capitol Building, on top at SE. corner of wall around fountain pool; chiseled square	614.61
Jefferson City, 45 ft. E. of bridge over Missouri River, N. of Missouri Pacific R.R. track, on top of concrete wall at end of tile culvert; chiseled square	555.20
Jefferson City, on E. pier at N. end of bridge over Missouri River; chiseled square	555.00
Jefferson City, 0.4 mi. N. of N. end of bridge over Missouri River, at junction of U.S. Highway 54 (formerly State Highway 15) and U.S. Highway 63, on top of W. head wall of concrete culvert under Highway 54; chiseled square	546.444
North Jefferson, 70 ft. NW. of Missouri-Kansas-Texas R.R. at abandoned right-of-way of Alton R.R., N. of R.R., W. of U.S. Highway 54 (formerly State Highway 15), in top of W. head wall of concrete culvert; standard tablet stamped "3 B 1927"	548.139
Reference mark, 280 ft. SE. of tablet, on top of NE. head wall of concrete culvert; chiseled square	547.78
Jefferson City, 3.1 mi. N. of, 1.1 mi. NE. of North Jefferson, 0.2 mi. W. of rock cut, 50 ft. N. of R.R., 12 ft. N. of fence corner, in root on N. side of 24-in. cottonwood tree; spike	623.73
Jefferson City, 4.3 mi. N. of, 0.5 mi. NE. of high trestle, 0.3 mi. S. of milepost Mex 46, in middle of third rock cut from trestle, 8 ft. E. of R.R., 1 ft. above rail, on top of limestone ledge; chiseled square	721.48
Hibernia sta., 0.5 mi. S. of, in SE 1/4 SW 1/4 sec. 25, T. 45 N., R. 11 W., 58 ft. W. of R.R., 28 ft. N. of rd., in concrete post; standard tablet stamped "4 B 1927"	832.897
Reference mark 1, 28 ft. W. of tablet, in root on S. side of 15-in. elm tree; copper nail and washer	833.15
Reference mark 2, 171 ft. E. of tablet, in root on W. side of 30-in. elm tree; copper nail and washer	833.26
Hibernia sta., 15 ft. N. of, 15 ft. E. of R.R., in root on W. side of 30-in. maple tree; copper nail and washer	857.56
Hibernia sta., 0.6 mi. N. of, 450 ft. N. of rd. crossing, on top of E. end of rock culvert under R.R.; chiseled square	848.47
T. 45 N., R. 11 W., in SE 1/4 sec. 13, at curve at end of long tangent where R.R. leaves highway, on top of center of N. stone at W. end of stone culvert; chiseled square	842.36
T. 45 N., R. 10 W., near W. sixteenth cor. between secs. 7 and 18, 80 ft. N. and 55 ft. W. from U.S. Highway 54 at rd. E. and private rd. W., 24 ft. E. of R.R., in concrete post; standard tablet stamped "5 B 1927"	857.063
Reference mark, 50 ft. S. and 60 ft. W. from tablet, on top of E. end of tile culvert; chiseled square	853.42

	<u>Feet</u>
T. 45 N., R. 10 W., near W. sixteenth cor. sec. 7, 50 ft. S. and 40 ft. W. from R.R. at rd. crossing, in farmyard, in root on N. side of 15-in. cottonwood tree; copper nail and washer	854.77
New Bloomfield, 1 mi. S. of, 160 ft. S. of R.R. at rd. crossing, on top of W. head wall of concrete culvert; chiseled square	862.57
New Bloomfield, 38 ft. W. of Farmers Bank, 53 ft. N. of Main Street, 22 ft. E. of R.R., in concrete post; standard tablet stamped "6 B 1927"	863.722
Reference mark, 139 ft. S. 60° W. of tablet, 1 ft. S. of NE. corner of cemetery, on wall; chiseled square	868.18
New Bloomfield, S. entrance of public school, on top of E. end of first step; chiseled square	834.14
T. 46 N., R. 10 W., in SE 1/4 sec. 29, 0.2 mi. NE. of King Cemetery, on top of E. head wall of concrete culvert; chiseled square	823.87
T. 46 N., R. 10 W., near quarter cor. between secs. 21 and 28, 30 ft. N. of junction of rd. W., 80 ft. W. of highway, on top of W. head wall of concrete culvert; chiseled square	804.84
T. 46 N., R. 10 W., in SE 1/4 sec. 21, 430 ft. SE. of bridge over Little Auxvasse Creek, 95 ft. SW. of rd., 15 ft. N. of creek, on 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 guard wall; chiseled square	684.14
T. 46 N., R. 10 W., 0.2 mi. N. of quarter cor. between secs. 22 and 27, SE. of T-rd. S., on top of E. head wall of concrete culvert; chiseled square	753.07
T. 46 N., R. 10 W., 0.2 mi. E. of center sec. 22, NE. of T-rd. E., on top of E. head wall of concrete culvert; chiseled square	762.72
T. 46 N., R. 10 W., near quarter cor. between secs. 23 and 24, 70 ft. N. and 20 ft. E. from T-rd. W., in root on N. side of black-oak tree; copper nail and washer	826.50

(Continued in Millersburg quadrangle; see line 1.)

2. FROM NORTH JEFFERSON NORTHWEST ALONG MISSOURI-KANSAS-TEXAS R.R. TO SEC. 32, T. 45 N., R. 11 W., THENCE NORTHWEST ALONG U.S. HIGHWAY 63 INTO CENTERTOWN QUADRANGLE (by L. V. Johnson in 1930; rerun by W. V. Kennedy in 1937)

North Jefferson, 0.5 mi. NW. of, on concrete abutment at SW. corner of bridge over Turkey Creek; chiseled square	551.53
North Jefferson, 1.3 mi. NW. of, 0.3 mi. NW. of point where transmission line crosses R.R., 300 ft. W. of farmhouse, 100 ft. NW. of private rd. crossing, on E. end of N. concrete head wall of culvert; chiseled square	551.65
North Jefferson, 1.6 mi. NW. of, 600 ft. SE. of milepost 14.5, S. of R.R., on NW. corner of concrete base of semaphore; chiseled square	553.59
North Jefferson, 2.5 mi. NW. of, at NW. corner of highway bridge over R.R., on top of concrete abutment; chiseled square	579.56
Junction of U.S. Highways 54 and 63, 3.8 mi. NW. of, 50 ft. N. and 15 ft. W. from crossroad, 7 ft. N. of corner fence post, in concrete post; standard tablet stamped "9 K 1937"	552.401
Reference mark, 40 ft. N. and 20 ft. W. from crossroad, on W. end of concrete culvert; chiseled square	551.92
Bridge over Cedar Creek, 0.4 mi. NW. of, at junction of rd. E.; surface of highway	591.8
Junction of U.S. Highways 54 and 63, 5 mi. NW. of, 0.2 mi. NW. of rd. junction, at filling sta., on SE. corner of concrete base of gasoline pumps; chiseled square	597.31
Junction of U.S. Highways 54 and 63, 5.6 mi. NW. of, 0.6 mi. NW. of filling sta., 550 ft. N. of rd. forks, 20 ft. E. of highway, on S. end of E. concrete head wall of culvert over creek; chiseled square	606.66
Junction of U.S. Highways 54 and 63, 6.2 mi. NW. of, 50 ft. SW. of farmhouse of R. W. Old, 40 ft. NE. of highway, in concrete post; standard tablet stamped "8 K 1937"	652.829
Reference mark, 0.1 mi. SE. of tablet, 300 ft. S. of farmhouse, 20 ft. W. of highway, on S. end of W. concrete head wall of culvert; chiseled square	648.68
Junction of U.S. Highways 54 and 63, 6.9 mi. NW. of, 430 ft. S. of filling sta., 90 ft. S. and 20 ft. W. from junction of rd. S., on W. head wall of concrete culvert; chiseled square	810.16
Junction of U.S. Highways 54 and 63, 7.7 mi. NW. of, 38 ft. SE. of SE. corner of dwelling of P. J. Gilmore, in root on SE. side of 18-in. ash tree; copper nail and washer	819.79

(Continued in Centertown quadrangle; see line 1.)

3. IN JEFFERSON CITY (not shown on diagram; by L. V. Johnson in 1930)
FROM STATE CAPITOL BUILDING AROUND CENTRAL SECTION OF CITY

Intersection of West Main and Walnut Streets, at E. corner of; top of fire hydrant	557.78
Intersection of West Main and Harrison Streets, at E. corner of; top of fire hydrant	562.36
Intersection of West McCarty and Harrison Streets, at W. corner of, on fire hydrant; arrowhead	551.31
Intersection of West McCarty and Walnut Streets, at W. corner of, on fire hydrant; arrowhead	549.23
Intersection of West Miller and Mulberry Streets, at E. corner of, on fire hydrant; arrowhead	551.72

	<u>Feet</u>
Intersection of West Miller and Washington Streets, at W. corner of, on concrete curb; chiseled square	549.51
Intersection of West Dunklin and Jefferson Streets, at N. corner of, on fire hydrant; arrowhead	580.31
Intersection of East Dunklin and Monroe Streets, at W. corner of, on fire hydrant; arrowhead	605.19
Intersection of East Dunklin and Jackson Streets, at W. corner of, on fire hydrant; arrowhead	611.24
Intersection of East Elm and Marshall Streets, at S. corner of, on northernmost point of concrete curb; chiseled square	587.96
Intersection of East McCarty and Marshall Streets, at N. corner of, on fire hydrant; arrowhead	562.15
Intersection of East High and Jackson Streets, at N. corner of, on fire hydrant; arrowhead	604.69
Intersection of East Capitol and Jackson Streets, at W. corner of, on fire hydrant; arrowhead	613.96
Intersection of East Capitol and Monroe Streets, at E. corner of, on fire hydrant; arrowhead	618.20
Intersection of East Capitol and Jefferson Streets, at S. corner of, on fire hydrant; arrowhead	597.50

IN SOUTHEASTERN SECTION OF CITY

Intersection of Lafayette and East Elm Streets, at E. corner of, on fire hydrant; arrowhead	570.14
Intersection of Chestnut and East Elm Streets, at E. corner of, on concrete curb; chiseled square	621.93
Intersection of Locust and East Elm Streets, at S. corner of, on fire hydrant; arrowhead	633.18
Intersection of East Elm Street and Clarke Boulevard, at E. corner of, on fire hydrant; arrowhead	662.17
Intersection of East McCarty Street and Clarke Boulevard, at S. corner of, on fire hydrant; arrowhead	691.20
Intersection of U.S. Highways 50 and 63 and East High Street, 150 ft. W. of, at SE. corner of guardrails between highways, in top of wooden guardrail; copper nail and washer	573.14
Intersection of Hough and Buchanan Streets, at N. corner of, on top of fire hydrant; bolt	590.64
Intersection of River Lane and Pierce Street, at S. corner of, on top of fire hydrant; bolt	665.25
Intersection of Hough and Polk Streets, at W. corner of, on top of fire hydrant; bolt	668.82
Missouri Pacific R.R. at E. city limits, 55 ft. S. of electric signal box, 25 ft. E. of telephone booth, in wooden base of switch; copper nail and washer	556.06
State Penitentiary, 10 ft. E. of E. corner of, on N. end of concrete retaining wall of highway; chiseled square	557.42
Intersection of East Capitol and Chestnut Streets, at S. corner of, on fire hydrant; arrowhead	615.15
Intersection of East Capitol and Lafayette Streets, at N. corner of, on fire hydrant; arrowhead	655.57

IN CENTRAL NORTHWEST SECTION OF CITY

Intersection of West McCarty and Clay Streets, at E. corner of, on fire hydrant; arrowhead	567.30
Intersection of West McCarty and Brooks Streets, at E. corner of, on fire hydrant; arrowhead	569.63
Intersection of West McCarty and Hamlin Streets, at E. corner of, on fire hydrant; arrowhead	575.20
Intersection of West McCarty and Hart Streets, at E. corner of, on top of fire hydrant; top of bolt	588.29
Intersection of West Main and Hart Streets, at S. corner of, on fire hydrant; arrowhead	629.52
Intersection of West Main and Berry Streets, at E. corner of, on fire hydrant; arrowhead	634.38
Intersection of West Main and Fulkerson Streets, at E. corner of, on westernmost point of concrete curb; chiseled square	625.54
Intersection of West Main and Bolivar Streets, at E. corner of, on fire hydrant; arrowhead	597.62

IN NORTHWEST AND WEST SECTION OF CITY

Intersection of West Main and Manilla Streets, at E. corner of, on fire hydrant; arrowhead	651.97
Intersection of West Main Street and Ware Avenue, at NW. corner of, on fire hydrant; arrowhead	654.83
Intersection of West Main and Jordan Streets, at SW. corner of, 5 ft. SE. of transmission-line pole, on concrete curb; chiseled square	665.38
Junction of West Main Street and rd. to Forest Hill Addition, 25 ft. N. of, 2 ft. SW. of telephone pole, 3 ft. W. of W. edge of sidewalk, on concrete head wall of culvert; chiseled square	699.51
West Main Street at city limits, 720 ft. E. of, 50 ft. SW. of filling sta. pump, 28 ft. S. of rd., in root on E. side of 18-in. cedar tree; copper nail and washer	706.10
Bagnell Branch of Missouri Pacific R.R. at W. city limits, 0.3 mi. S. of, 340 ft. S. of fork in creek, 18 ft. N. of transmission-line pole, in SW. corner of fence S., on top of concrete block; chiseled square	609.60

U.S. Highway 50 at private rd. S., 52 (42 ?) ft. N. and 46 ft. E. from, E. of junction of highway and St. Mary's Boulevard, 18 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 1 L 1931"	Feet 675.467
Reference mark, 0.2 mi. E. of tablet, 220 ft. E. of city limit line, 300 ft. SW. of brick farmhouse, S. of rd., on W. end of concrete head wall of culvert; chiseled square	684.58
U.S. Highway 50 at city limits, 0.3 mi. E. of, 350 ft. NW. of NW. corner of ball park, NW. of crossroad; on W. end of iron pipe culvert; chiseled square	621.28
Intersection of U.S. Highway 50 and Beck Street, NW. of, 700 ft. E. of entrance to ball park, in top of 24-in. stump; copper nail and washer	584.12
Intersection of U.S. Highway 50 and Beck Street, 700 ft. E. of, 150 ft. NW. of service sta., S. of highway, on concrete head wall of culvert; chiseled square	575.68
Intersection of U.S. Highway 50 and Virginia Street, at E. corner of, on top of fire hydrant; bolt	563.50
Intersection of Dunklin and Georgia Streets, at N. corner of, on fire hydrant; arrowhead	563.37
Intersection of Dunklin and Delaware Streets, at N. corner of, on fire hydrant; arrowhead	566.34
Intersection of Harrison and West Elm Streets, at SW. corner of, on fire hydrant; arrowhead	559.99

FROM U.S. HIGHWAY 50 NORTH TO BAGNELL BRANCH OF MISSOURI
PACIFIC RAILROAD

Junction of St. Mary's Boulevard and Beck Street, SW. of, 4 ft. NW. of telephone pole, on rock head wall of culvert; chiseled square	637.20
Bagnell Branch of Missouri Pacific R.R. at W. city limits, 0.8 mi. E. of 25 ft. N. and 50 ft. E. from private rd. crossing, in root on W. side of westernmost one of group of three elm trees; copper nail and washer	613.12

NEAR NORTH BOUNDARY OF CITY FROM WEST MAIN STREET NORTHEAST
AND SOUTHEAST TO POINT NEAR STATE CAPITOL BUILDING

Junction of Boonville Road and Hayselton Drive, 0.3 mi. NE. of, at edge of bluff, E. of sharp curve in Hayselton Drive, 25 ft. NW. of 12-in. oak tree, 3 ft. E. of 4-in. maple tree, in 4-in. stump; copper nail and washer	671.32
Missouri Pacific R.R. near NW. city limits, N. of tracks opposite semaphore 1271-L, on W. corner of concrete base of electric signal box 1271-R; chiseled square	562.13
Bridge over Missouri River, 0.4 mi. W. of, along Missouri Pacific R.R., on W. corner of concrete base of semaphore 1264-L; chiseled square	560.33
Bridge over Missouri River, 100 ft. E. of, along Missouri Pacific R.R., on E. corner of concrete base of semaphore; chiseled cross	558.41

IN SOUTHWEST SECTION OF CITY

Intersection of Jefferson and East Ashley Streets, at S. corner of, on fire hydrant; arrowhead	623.98
Intersection of Jefferson and Filmore Streets, at S. corner of, on fire hydrant; arrowhead	644.20
Intersection of Jefferson and Franklin Streets, at E. corner of, on fire hydrant; arrowhead	629.48
Intersection of Jefferson Street and Swifts Highway, at E. corner of, on fire hydrant; arrowhead	696.60
Junction of Swifts Highway and Jefferson Street, 0.2 mi. NW. of, along Swifts Highway, 100 ft. NW. of large brick house, on top of fire hydrant; bolt	729.94
Junction of Swifts Highway and Myrtle Road, at E. corner of, 7 ft. S. of SW. corner of stone wall around dwelling, 1 ft. SW. of transmission-line pole, on concrete curb; chiseled square	711.68

IN SOUTH SECTION OF CITY

South city limits, about 250 ft. S. of, 193 ft. S. and 37 ft. W. from U.S. Highway 54 at rd. S., 17 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 2 L 1931"	635.191
Reference mark, 340 ft. S. of tablet, 35 ft. E. of filling sta., on N. end of E. concrete head wall of culvert; chiseled square	629.06
Intersection of Monroe Street and Russell Avenue, at N. corner of, on fire hydrant; arrowhead	654.80
Intersection of Monroe Street and Union Avenue, at S. corner of, on fire hydrant; arrowhead	676.38
Intersection of Union Avenue and Adams Street, at S. corner of, on fire hydrant; arrowhead	663.04
Intersection of Woodlawn Avenue and Adams Street, at E. corner of, on fire hydrant; arrowhead	714.84
Intersection of Jackson Street and Woodlawn Avenue, at N. corner of, on fire hydrant; bolt	704.81
Intersection of Jackson and Hickory Streets, at W. corner of, on top of fire hydrant; bolt	664.03
Intersection of Lafayette and East Atchison Streets, at N. corner of, on top of fire hydrant; bolt	576.94
Intersection of East Dunklin and Lafayette Streets, at S. corner of, on fire hydrant; arrowhead	577.40

	Feet
Intersection of Chestnut and East Dunklin Streets, at E. corner of, on fire hydrant; arrowhead	624.12
Intersection of East Atchison and Chestnut Streets, at S. corner of, on top of fire hydrant; bolt	695.33
Intersection of East Atchison and Chestnut Streets, 800 ft. SW. of, on concrete wall at westernmost corner of McClung swimming pool; chiseled square	613.03
Intersection of East Atchison and Chestnut Streets, 0.5 mi. SW. of, at end of pavement on Chestnut Street, N. of creek, on westernmost point of concrete curb; chiseled square	602.13
Intersection of Chestnut Street and city limits, at N. corner of, in root on SW. side of lone 10-in. oak tree; copper nail and washer	720.13
Intersection of Jackson Street and Russell Avenue, at W. corner of, on S. end of concrete curb; chiseled square	611.03

IN SOUTHEASTERN SECTION OF CITY

Intersection of Clarke Boulevard and East Dunklin Street, at S. corner of, on fire hydrant; arrowhead	673.03
Intersection of Clarke Boulevard and East Atchison Street, at N. corner of, on top of fire hydrant; bolt	714.61
Intersection of Moreau and Oakwood Drives, at N. corner of, on top of fire hydrant; bolt	703.39
Intersection of Moreau Drive and Fairmont Boulevard, at S. point of triangle, on concrete curb; chiseled square	719.64
Intersection of Moreau Drive and Vineyard Square, at N. corner of, on top of fire hydrant; bolt	725.29
Intersection of Moreau Drive and Moreland Avenue, 800 ft. S. of, 50 ft. N. of center of triangle formed by rd. forks, on NE. end of concrete head wall of culvert; chiseled square	736.14

4. FROM OSAGE CITY SOUTHWEST TO SCHUBERT, THENCE SOUTHEAST ALONG U.S. HIGHWAYS 50 AND 63 INTO META QUADRANGLE (by L. V. Johnson in 1932)

U.S.C.E. B.M. designated "99"	
Copper bolt	547.151
Top of Cap	551.216
Osage City, 0.7 mi. S. of, 20 ft. N. and 90 ft. E. from junction of private rd. E., 85 ft. NE. of mail box of Henry Bolting, in root on W. side of 20-in. oak tree; copper nail and washer	665.33
Osage City, 1.7 mi. S. of, 4 ft. NE. of NE. corner of Forest Hill School, on outside edge of concrete walk; chiseled square	698.63
Schubert, 1.8 mi. N. of, 40 ft. E. of rd. forks opposite cemetery, on property of Harrison Diedel, inside fence, in concrete post; standard tablet stamped "T T 38 B 1932"	755.993
Schubert, 0.9 mi. N. of, 20 ft. N. and 8 ft. W. from rd. fork E., on center of E. concrete head wall of culvert; chiseled square	700.36
Schubert, 550 ft. S. of Catholic Church, 75 ft. N. and 45 ft. W. from junction of rd. N., in concrete post; standard tablet stamped "T T 37 B 1932"	721.502
Reference mark, 50 ft. E. of tablet, 45 ft. SW. of SW. corner of filling sta., 4.5 (45 ?) ft. S. of stop sign, on concrete head wall of culvert; chiseled square	713.80
Schubert, 1.1 mi. SE. of, at SW. corner of bridge over Sanford Creek, on concrete foundation of railing; chiseled square	553.68

(Continued in Meta quadrangle; see line 1.)

5. FROM CENTERTOWN QUADRANGLE NORTHEAST ALONG U.S. HIGHWAY 54 TO JEFFERSON CITY (by O. F. Hodgdon in 1934)
(Continued from Centertown quadrangle; see line 3.)

Jefferson City, 7 mi. SW. of, 38 ft. N. and 48 ft. W. from junction of rd. W. and private rd. N., 36 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 11 L 1931"	637.824
Reference mark, 8 ft. S. and 36 ft. E. from tablet, on concrete head wall of iron pipe culvert; chiseled square	635.444
Jefferson City, 5.7 mi. SW. of, at NW. corner of bridge G-302 over Nelghorn Branch, on top of railing post; chiseled square	586.35
Jefferson City, 4.5 mi. SW. of, on top of E. head wall of iron pipe culvert; chiseled square	773.19
Jefferson City, 3.6 mi. SW. of, 38 ft. S. of junction of rd. W. (now County Route C) to Russellville, on edge of right-of-way, in concrete post; standard tablet stamped "T T 10 L 1931"	799.748
Reference mark, 25 ft. S. and 215 ft. W. from tablet, 40 ft. S. of filling sta., on S. track of oil draining well; chiseled square	805.94
Jefferson City, 2.6 mi. SW. of, about 320 ft. E. of farmhouse of Fred Schuricht, on top of S. concrete head wall of tile pipe culvert; chiseled square	798.97
Jefferson City, 1.5 mi. SW. of, on N. end of island for filling sta. pumps; chiseled square	769.65
Jefferson City, at S. limits of, 193 ft. S. and 37 ft. W. from junction of rd. S., 17 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 2 L 1931"	635.191
Reference mark, 65 ft. N. and 17 ft. E. from tablet, on SE. corner of island for filling sta. pumps; chiseled square	642.01

	<u>Feet</u>
6. FROM MOKANE QUADRANGLE AT SEC. 21, T. 44 N., R. 10 W., SOUTHWEST TO OSAGE CITY (by B. A. Barnes in 1934)	
Osage triangulation sta.; Missouri River Commission iron post	762.593
Osage City, 0.5 mi. E. of, in NW 1/4 sec. 21, T. 44 N., R. 10 W., 1,000 ft. E. of E. end of bridge over Osage River, on NE. corner of concrete base of semaphore; (mark not described)	551.90
U.S.C. & G.S. standard disk stamped "F 37 1934"	551.108
U.S.C.E. B.M. designated "99"	
Copper bolt	547.151
Top of cap	551.216
U.S.C. & G.S. B.M. designated "XXIV"	546.378
7. FROM SCHUBERT SOUTHWEST INTO META QUADRANGLE AT SEC. 1, T. 43 N., R. 11 W. (by F. Y. Brown in 1936)	
Schubert, junction of U.S. Highway 50 and rd. S. to Taos, on corner of concrete retaining wall around store; chiseled square	728.96
Gate to farm of Fred Snyder, 320 ft. W. of, 40 ft. S. of rd., 45 ft. W. of fence line, in root on N. side of 16-in. white-oak tree; crossed nails	700.67
Taos, 45 ft. SE. of rd., 6 ft. NE. of NE. corner of filling sta., on N. corner of concrete cistern top; chiseled square	730.87
Taos, 0.6 mi. SW. of, 15 ft. N. and 15 ft. W. from T-rd. S., at St. Xavier's Cemetery, in root on S. side of 36-in. white-oak tree; nail and washer	792.97
Farmhouse of John J. Fork, 450 ft. W. of, 15 ft. N. of rd., in root on N. side of 20-in. white-oak tree; crossed nails	800.83
(Continued in Meta quadrangle; see line 7.)	
8. FROM SEC. 7, T. 45 N., R. 10 W., NORTH ALONG U.S. HIGHWAY 54 TO NEW BLOOMFIELD (by W. V. Kennedy in 1937)	
New Bloomfield, 2 mi. S. of, 22 ft. S. and 25 ft. E. from junction of rd. W., on S. end of iron pipe culvert; painted square	857.62
New Bloomfield, 1.5 mi. S. of, 17 ft. N. and 27 ft. E. from junction of rd. E., on N. head wall of concrete culvert; chiseled square	842.73
New Bloomfield, 1 mi. S. of, 10 ft. S. and 27 ft. W. from crossroad, on S. head wall of concrete culvert; chiseled square	844.79
9. FROM SEC. 7, T. 45 N., R. 10 W., WEST AND NORTH INTO MILLERSBURG QUADRANGLE AT SEC. 23, T. 46 N., R. 11 W. (by W. V. Kennedy in 1937)	
Hibernia, 3.1 mi. N. of, 18 ft. S. and 20 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T 10 C 1930"	803.590
T. 45 N., R. 11 W., in SW 1/4 sec. 1, 90 ft. N. and 25 ft. E. from T-rd. N., in root on E. side of 14-in. walnut tree; copper nail and washer	850.58
T. 45 N., R. 11 W., in W 1/2 sec. 1, 12 ft. S. and 10 ft. W. from center of concrete culvert, on W. retaining wall; chiseled square	768.11
T. 46 N., R. 11 W., W. sixteenth cor. sec. 36, 110 ft. N. and 50 ft. W. from T-rd. S., in root on S. side of 20-in. walnut tree; copper nail and washer	852.93
Guthrie, 1.2 mi. W., thence 2.5 mi. S. from, quarter cor. between secs. 35 and 36, T. 46 N., R. 11 W., 39 ft. S. of T-rd. N., in concrete post; standard tablet stamped "T T 9 C 1930" (as reset)	859.593
Guthrie, 1.2 mi. W., thence 1.5 mi. S. from, quarter cor. between secs. 25 and 26, T. 46 N., R. 11 W., 15 ft. S. and 12 ft. E. from T-rd., on E. head wall of concrete culvert; chiseled square	848.43
Guthrie, 1.2 mi. W., thence 1 mi. S. from, cor. secs. 23, 24, 25, and 26, T. 46 N., R. 11 W., 25 ft. S. and 12 ft. E. from T-rd. E., on E. head wall of concrete culvert; chiseled square	804.16
Guthrie, 1.2 mi. W., thence 0.6 mi. S. from, on line between secs. 23 and 24, T. 46 N., R. 11 W., on iron brace at NW. corner of bridge over Big Branch Creek; painted square	761.59
(Continued in Millersburg quadrangle; see line 8.)	
10. FROM SEC. 35, T. 46 N., R. 11 W., WEST INTO CENTERTOWN QUADRANGLE AT SEC. 35, T. 46 N., R. 12 W. (by W. V. Kennedy in 1937)	
T. 46 N., R. 11 W., in W 1/2 sec. 35, on concrete abutment at SW. corner of bridge over creek; chiseled square	788.43
T. 46 N., R. 11 W., quarter cor. between secs. 34 and 35, 30 ft. N. of crossroads, on W. head wall of concrete culvert; chiseled square	822.47
T. 45 N., R. 11 W., near quarter cor. between secs. 2 and 3, 48 ft. S. of gate to yard of Forrest Wilson, 20 ft. W. of rd., in concrete post; standard tablet stamped "T T 11 C 1930"	763.618
T. 45 N., R. 11 W., quarter cor. between secs. 3 and 4, 20 ft. S. and 35 ft. W. from T-rd. N., in root on E. side of 18-in. hickory tree; copper nail and washer	823.11
T. 45 N., R. 11 W., in SW 1/4 sec. 4, 8 ft. N. and 280 ft. E. from T-rd. S., on N. head wall of concrete culvert; chiseled square	803.52

	Feet
T. 45 N., R. 11 W., near center sec. 5, 75 ft. N. and 20 ft. W. from T-rd. N. at farmhouse of T. R. Glennon, in concrete post; standard tablet stamped "T T 12 C 1930"	812.889
Rd. fork, 30 ft. S. of, in root on S. side of 10-in. white-oak tree; crossed nails	795.58
T. 45 N., R. 11 W., in NE 1/4 sec. 6, 250 ft. SW. of farmhouse of Joe Lyon, 10 ft. N. of rd., in root on S. side of 24-in. elm tree; copper nail and washer	759.89
T. 45 N., R. 11 W., in NW 1/4 sec. 6, on downstream pier at W. end of bridge over Cedar Creek; bolt head	563.68
Rd. forks, 80 ft. N. and 25 ft. E. from, in root on W. side of 40-in. sugar-maple tree; crossed nails	558.49
Oldham, 2.5 mi. E. of, 20 ft. N. and 50 ft. W. from T-rd. W. at farmhouse of Lee Forbs, in concrete post; standard tablet stamped "T T 13 C 1930"	613.493
T. 46 N., R. 12 W., in W 1/2 sec. 36, 30 ft. S. of rd., in NW. corner of farmyard, in root on E. side of 14-in. maple tree; crossed nails	754.56
Oldham, 1.3 mi. E. of, in NE 1/4 sec. 35, T. 46 N., R. 12 W., 45 ft. SE. of farmhouse of Otis Sappington, 35 ft. N. of rd., in root on E. side of 24-in. black-oak tree; copper nail and washer	824.27
11. FROM SEC. 21, T. 46 N., R. 10 W., SOUTH ALONG ROADS BY WAY OF DIXIE AND COTE SANS DESSEIN TO SEC. 12, T. 44 N., R. 10 W., INCLUDING THAT PART OF THE LINE IN MOKANE QUADRANGLE (by W. V. Kennedy in 1937)*	
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., NE. 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 of 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"	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, at 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.; Missouri River Commission iron post stamped "Missouri River Commission" Top of cap	726.699
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
12. FROM SEC. 12, T. 44 N., R. 10 W., WEST ALONG MISSOURI-KANSAS-TEXAS R.R. AND COUNTY ROUTE D BY WAY OF WAINWRIGHT TO NORTH JEFFERSON (by W. V. Kennedy in 1937)	
Wainwright, 3 mi. E. of, in SW 1/4 sec. 12, T. 44 N., R. 10 W., 140 ft. NW. of junction of rd. S., N. of R.R., 90 ft. SW. of SW. corner of farmhouse of Clyde Scott, 2 ft. E. of fence, in concrete post; standard tablet stamped "5 K 1937"	549.910
Junction of rd. N., 40 ft. N. and 100 ft. E. from, 40 ft. S. of R.R., in telegraph pole; spike	545.89
Wainwright, 1.5 mi. E. of, 275 ft. E. of private rd. crossing, on NE. corner of concrete abutment of trestle 136.0; chiseled square	544.92
Wainwright, 0.7 mi. E. of, in SW 1/4 sec. 15, T. 44 N., R. 10 W., 40 ft. E. of rd. crossing, on center of S. head wall of concrete culvert; chiseled square	545.40

*Published in line 9 of the Mokane quadrangle (see Bull. 898-C, pp. 429-430).

Wainwright, 90 ft. NW. of sta., 75 ft. SE. of general store and post office, 22 ft. S. of rd., in line with transmission-line poles, in concrete post; standard tablet stamped "6 K 1937"	Feet 542.442
Wainwright, 0.8 mi. W. of, 20 ft. S. and 30 ft. W. from junction of rd. S., on E. end of iron pipe culvert; chiseled square	538.22
Highway bridge over drainage ditch, at SW. corner of, on top of concrete guardrail; chiseled square	546.39
T. 44 N., R. 10 W., near quarter cor. between secs. 18 and 19, about 500 ft. SW. of point where highway leaves R.R., 15 ft. E. of highway at curve, on E. head wall of concrete culvert; chiseled square	542.40
Wainwright, 2.7 mi. W. of, near line between secs. 13 and 18, T. 44 N., Rs. 10 and 11 W., 110 ft. N. and 30 ft. E. from crossroads, 20 ft. N. and 30 ft. E. from rd. crossing, 5 ft. E. of warning sign, in concrete post; standard tablet stamped "7 K 1937"	549.543
T. 44 N., R. 11 W., in NW 1/4 sec. 13, 45 ft. N. and 6 ft. E. from private rd. N., 65 ft. S. of R.R., on center of E. head wall of concrete culvert; chiseled square	548.80
North Jefferson, 1.2 mi. E. of, near S. sixteenth cor. between secs. 10 and 11, T. 44 N., R. 11 W., 15 ft. N. of rd. at point where rd. and R.R. separate, in root on S. side of giant elm tree; copper nail and washer	545.10

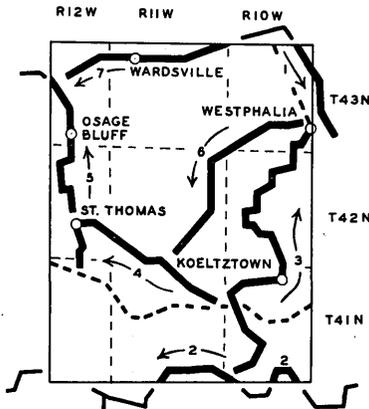
13. LINE TO DETERMINE ELEVATION OF WATER-RESOURCES GAGE NEAR JEFFERSON CITY (not shown on diagram; by W. V. Kennedy in 1937)

U.S. Highway 63 bridge over Missouri River, at E. end of first truss from N. end, on E. anchorbolt; chiseled cross (set by water-resources branch of U.S. Geol. Survey)	564.98
U.S. Highway 63 bridge over Missouri River, at E. end of second truss from N. end, on E. anchorbolt; chiseled cross (set by water-resources branch of U.S. Geol. Survey)	574.47

For additional level lines along north and south banks of Missouri River, Missouri Pacific R.R., and U.S. Highways 54 and 63, refer to United States Coast and Geodetic Survey first-order lines, Twelve Miles Above St. Louis to Jefferson City, St. Louis to Jefferson City, Jefferson City to Pleasant Hill, Jefferson City to Kansas City, Cabool to Osage City; and second-order line, Mexico to Eldon.

MSTA QUADRANGLE
(Latitude 38°15'-38°30'; longitude 92°00'-92°15')

Cole, Maries, Miller, and Osage Counties



1. FROM NEW BLOOMFIELD QUADRANGLE SOUTHEAST ALONG U.S. HIGHWAY 50 TO JUNCTION OF U.S. HIGHWAY 63, THENCE SOUTH ALONG U.S. HIGHWAY 63 INTO LINN QUADRANGLE (by L. V. Johnson in 1932)
(Continued from New Bloomfield quadrangle; see line 4.)

Schubert, 2.1 mi. SE. of, 35 ft. N. and 55 ft. W. from junction of rd. W., on S. concrete head wall of culvert; chiseled square (U.S.C. & G.S. elev.)	547.076
Schubert, 2.6 mi. SE. of, at NW. corner of bridge over Osage River, on top of concrete wing wall; chiseled square	550.92
Westphalia, 4.2 mi. N. of, 53 ft. S. and 60 ft. E. from junction of U.S. Highway 63, in concrete post; standard tablet stamped "T T 36 B 1932"	601.843
Reference mark, at S. corner of triangle formed by junction, on pavement; chiseled square	601.57

	<u>Feet</u>
Westphalia, 3.1 mi. N. of, 0.9 mi. S. of junction of U.S. Highway 50, on N. end of E. head wall of culvert; chiseled square	558.39
Westphalia, 2.1 mi. N. of, near foot of large hill, 30 ft. N. and 50 ft. E. from junction of private rd. SE. to farmhouse, on S. end of E. concrete head wall of culvert; chiseled square (U.S.C. & G.S. elev.)	618.004
Westphalia, 0.9 mi. N. of, near top of large hill, 80 ft. S. and 30 ft. W. from junction of rd. W., in root on W. side of 6-in. oak tree; copper nail and washer	793.77
Westphalia, at N. limits of, 45 ft. S. and 100 ft. E. from crossroad, 42 ft. NE. of highway, in concrete post; standard tablet stamped "T T 35 B 1932"	622.210
Reference mark, about 40 ft. NE. of tablet, in root on SW. side of 18-in. locust tree; copper nail and washer	623.03

2. FROM TAVERN QUADRANGLE AT SEC. 34, T. 41 N., R. 10 W., WEST INTO TAVERN QUADRANGLE AT SEC. 33, T. 41 N., R. 11 W. (by L. V. Johnson in 1932)

(Continued from Tavern quadrangle; see line 2.)

T. 41 N., R. 10 W., near quarter cor. between secs. 33 and 34, 15 ft. SE. of SE. corner of triangle formed by rd. forks, 30 ft. N. of rd. at creek, 110 ft. S. of mail box of H. Deeken, in root on W. side of 15-in. hickory tree; copper nail and washer	712.18
--	--------

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

T. 41 N., R. 11 W., in S 1/2 sec. 36, 25 ft. S. and 20 ft. E. from W. corner of triangle formed by rd. forks, in root on W. side of triangular-blazed 10-in. oak tree; copper nail and washer	976.66
T. 41 N., R. 11 W., near center sec. 35, 28 ft. N. of rd. at curve, 23 ft. W. of fence corner, at gatepost, in root on SW. side of twin oak tree; copper nail and washer	982.12
T. 41 N., R. 11 W., on line between secs. 34 and 35, 15 ft. N. and 13 ft. E. from dim rd. fork NE., in root on SE. side of triangular-blazed 10-in. oak tree; copper nail and washer	897.93
T. 41 N., R. 11 W., in NW 1/4 sec. 34, 30 ft. W. of Meta-Tavern rd. (now State Highway 113) at rd. SE. to Vienna, in concrete post; standard tablet stamped "T T 138 B 1932"	897.121
Reference mark, 33 ft. N. and 7 ft. W. from rd. forks, in root on E. side of 8-in. oak tree; copper nail and washer	897.00

(Continued in Tavern quadrangle; see line 2.)

3. FROM SEC. 36, T. 41 N., R. 11 W., NORTHEAST THROUGH KOELTZTOWN TO WESTPHALIA (by L. V. Johnson in 1932)

T. 41 N., R. 10 W., in NW 1/4 sec. 31, 6 mi. SW. of Argyle, on top of divide between Sugar Creek and Little Maries Creek, 20 ft. N. and 10 ft. W. from Meta-Vienna rd. at crossroad; in concrete post; standard tablet stamped "T T 137 B 1932"	940.500
Reference mark, 10 ft. N. and 12 ft. E. from crossroad, in root on NW. side of 10-in. oak tree; copper nail and washer	940.57
T. 41 N., R. 10 W., in NW 1/4 sec. 30, 10 ft. S. of dim rd. fork SW., in root on N. side of triangular-blazed 12-in. oak tree; copper nail and washer	955.37
Koeltztown, 2.5 mi. W. of, along Meta rd., thence 4.4 mi. S. from, 10 ft. N. and 30 ft. E. from dim rd. fork E., in root on SE. side of triangular-blazed 12-in. oak tree; copper nail and washer	955.25
Koeltztown, 2.5 mi. W. of, along Meta rd., thence 3.4 mi. S. from, 18 ft. S. and 20 ft. E. from rd. fork SE., 13 ft. SE. of NW. corner of triangle, in root on S. side of 3-in. oak tree; copper nail and washer	953.51
Koeltztown, 2.5 mi. W. of, along Meta rd., thence 2.4 mi. S. from, 35 ft. W. of junction of private rd. to farmhouse of Oliver Helton, in concrete post; standard tablet stamped "T T 136 B 1932"	920.867
Koeltztown, 2.5 mi. W. of, along Meta rd., thence 1.8 mi. S. from, near center sec. 18, T. 41 N., R. 10 W., 37 ft. S. and 12 ft. W. from N.-S. rd. at private rd. SE., in root on N. side of triangular-blazed 12-in. oak tree; copper nail and washer	935.46
Koeltztown, 2.5 mi. W. of, along Meta rd., thence 0.9 mi. S. from, in SW. cor. sec. 7, T. 41 N., R. 10 W., 18 ft. N. and 15 ft. W. from dim crossroads, in root on SE. side of 8-in. oak tree; copper nail and washer	962.66
Koeltztown, 2.4 mi. W. of, along Meta rd., in SW 1/4 sec. 6, T. 41 N., R. 10 W., 30 ft. N. and 50 ft. W. from crossroad, 20 ft. N. of rd., in concrete post; standard tablet stamped "T T 135 B 1932"	966.969
Reference mark, 18 ft. W. of tablet, in root on N. side of 10-in. oak tree; copper nail and washer	967.54
Koeltztown, 1.9 mi. W. of, along Meta rd., 28 ft. S. and 75 ft. E. from junction of private rd. S. to dwelling of Allen Curtis, in root on N. side of 24-in. oak tree; copper nail and washer	921.61
Koeltztown, 0.9 mi. W. of, along Meta rd., 15 ft. S. and 90 ft. E. from junction of rd. S., 100 ft. SE. of gate to pasture, in fence line, in root on SW. side of 10-in. oak tree; copper nail and washer	960.23
Koeltztown, 74 ft. N. and 39 ft. E. from T-rd. W., 31 ft. S. and 9 ft. E. from SW. corner post of fence around Catholic Parsonage, in concrete post; standard tablet stamped "4 J 1932"	931.337
Reference mark, at SW. corner of parsonage, on SW. corner of concrete walk; chiseled square	932.83

	<u>Feet</u>
Koeltztown, 0.7 mi. N. of, along rd. to Westphalia, 28 ft. N. and 30 ft. E. from center of triangle formed by rd. forks, in root on S. side of 18-in. oak tree; copper nail and washer	915.67
Koeltztown, 1.7 mi. N. of, along rd. to Westphalia, 18 ft. S. and 25 ft. W. from junction of private rd. E., at fence corner, in root on N. side of 18-in. oak tree; copper nail and washer	915.67
Koeltztown, 2.9 mi. N. of, along rd. to Westphalia, 4 ft. N. and 25 ft. W. from rd. fork W., 2 ft. N. of telephone pole, in concrete post; standard tablet stamped "5 J 1932"	891.751
Reference mark, 50 ft. N. and 20 ft. W. from rd. forks, in root on W. side of small oak tree; copper nail and washer	892.76
Koeltztown, 3.8 mi. N. of, along rd. to Westphalia, 115 ft. E. of rd. fork SW., 17 ft. N. of rd., in root on S. side of 18-in. oak tree; copper nail and washer	865.51
Koeltztown, 5 mi. N. of, along rd. to Westphalia, 27 ft. N. and 55 ft. E. from rd. fork E., in root on W. side of triangular-blazed 18-in. oak tree; copper nail and washer	826.52
Koeltztown, 5.7 mi. N. of, along rd. to Westphalia, 22 ft. N. and 18 ft. W. from rd. fork N., 37 ft. S. of mail box of John Radmacher, 3 ft. S. and 24 ft. E. from triangular-blazed 15-in. oak tree, in concrete post; standard tablet stamped "6 J 1932"	847.027
Reference mark, 25 ft. N. and 40 ft. W. from rd. fork W., in root on E. side of triangular-blazed 15-in. oak tree; copper nail and washer	845.10
Westphalia, 4.6 mi. SW. of, along rd. to Koeltztown, 18 ft. S. and 18 ft. W. from private rd. fork SE. through gate, 33 ft. S. of mail box of C. P. Henke, in root on S. side of twin 8-in. oak tree; copper nail and washer	796.27
Westphalia, 3.7 mi. SW. of, along rd. to Koeltztown, 20 ft. E. of rd. fork E., 5 ft. E. of mail box of Herm Wekenborg, in root on W. side of 15-in. oak tree; copper nail and washer	788.26
Westphalia, 2.5 mi. SW. of, along rd. to Koeltztown, 25 ft. S. and 8 ft. W. from rd. fork S., 31 ft. S. and 12 ft. E. from mail box of John Fennewald, inside fence, in concrete post; standard tablet stamped "7 J 1932"	779.705
Reference mark, 33 ft. NW. of tablet, in root on E. side of 22-in. oak tree; copper nail and washer	779.35
Westphalia, 1.6 mi. SW. of, along rd. to Koeltztown, on E. slope of large hill, 35 ft. E. of rd. fork SE., 50 ft. NE. of mail box of George Luebbert, in root on NW. side of 20-in. oak tree; copper nail and washer	740.09
Westphalia, 0.8 mi. W. of junction of U.S. Highway 63 and rd. to Koeltztown, at top of hill, 35 ft. N. and 45 ft. E. from rd. at wooden gate to pasture, 20 ft. E. of rd., in root on W. side of triangular-blazed 18-in. oak tree; copper nail and washer	703.52
4. FROM POINT 2.4 MILES WEST OF KOELTZTOWN NORTHWEST TO ST. THOMAS, THENCE SOUTH TO SEC. 35, T. 42 N., R. 12 W. (by O. F. Hodgdon in 1934)	
T. 41 N., Rs. 10 and 11 W., 572 ft. S. and 221 ft. E. from N. cor. secs. 1 and 6, 29 ft. NE. of Folk rd., 80 ft. N. of transmission line, in root on W. side of 18-in. white-oak tree; copper nail and washer	924.40
Kennedy triangulation sta.; U.S.C. & G.S. standard disk designated "Kennedy 1879"	945.522
N. reference mark; U.S.C. & G.S. standard reference disk	945.753
S. reference mark; U.S.C. & G.S. standard reference disk	945.433
Reference mark, 49 ft. SW. of sta., in root on W. side of 18-in. post-oak tree; copper nail and washer	945.26
T. 41 N., R. 11 W., in NW 1/4 sec. 12, 60 ft. S. of rd. to Meta, in root of 14-in. hickory tree; copper nail and washer	966.46
T. 41 N., R. 11 W., 88 ft. N. and 200 ft. W. from S. sixteenth cor. sec. 2, 34 ft. N. of rd. to Meta, in root on SW. side of 15-in. white-oak tree; copper nail and washer	851.10
T. 42 N., R. 11 W., in SE 1/4 sec. 34, 20 ft. W. of rd. to Meta, in root on N. side of 16-in. post-oak tree; copper nail and washer	924.33
Babbtown, 375 ft. N. and 183 ft. E. from S. sixteenth cor. between secs. 33 and 34, T. 42 N., R. 11 W., 26 ft. SW. of SW. corner of schoolhouse, 110 ft. SW. of SW. corner of cemetery, 18 ft. N. of rd., in concrete post; standard tablet stamped "50 C W A 1934"	913.356
Reference mark, 18 ft. NE. of tablet, in root on SW. side of 24-in. post-oak tree; copper nail and washer	913.08
T. 42 N., R. 11 W., 323 ft. N. of E. sixteenth cor. sec. 33, 14 ft. E. of County Route M (now State Highway 133), on NW. corner of E. parapet wall of concrete culvert; chiseled square	847.90
Missouri River Commission tablet stamped "U.S. Missouri River Commission 1926"	837.403
T. 42 N., R. 11 W., in SW 1/4 sec. 28, 75 ft. N. of rd. to St. Thomas, in root on S. side of 11-in. post-oak tree; copper nail and washer	804.32
T. 42 N., R. 11 W., near quarter cor. between secs. 29 and 30, 25 ft. N. of rd. to St. Thomas, 75 ft. E. of W. fork of Williams ferry rd., 25 ft. S. of N. fork of Williams ferry rd., in root on SE. side of 24-in. white-oak tree; copper nail and washer	712.68
T. 42 N., R. 11 W., 258 ft. S. and 68 ft. E. from NW. cor. sec. 30, near Cole-Osage county line, 30 ft. N. of rd. to St. Thomas, 60 ft. E. of 30-in. white-oak tree, in root on SE. side of 12-in. white-oak tree; copper nail and washer	592.88
St. Thomas, about 0.4 mi. E. of, along rd. to Meta, in SW 1/4 sec. 24, T. 42 N., R. 12 W., opposite farmhouse, 10 ft. S. of rd., in concrete post; standard tablet stamped "49 C W A 1934"	750.442
Reference mark, 32 ft. N. and 44 ft. W. from tablet, in root on NW. side of 21-in. red-oak tree; copper nail and washer	751.11

St. Thomas, in SE 1/4 sec. 23, T. 42 N., R. 12 W., 20 ft. S. and 36 ft. E. from entrance to St. Thomas Catholic Church, in chiseled circle on concrete foundation of iron fence; chiseled square	<u>Feet</u> 800.56
St. Thomas, at SE. corner of St. George and National Streets, on NW. corner of sidewalk; chiseled square	768.93
T. 42 N., R. 12 W., near N. sixteenth cor. between secs. 35 and 36, 105 ft. N. 50° E. of junction of St. Thomas, Loethen Ferry, and Meta rds., in root on S. side of 15-in. hickory tree; copper nail and washer	757.24
T. 42 N., R. 12 W., in SW 1/4 sec. 35, on E. bank of Osage River, 15 ft. SE. of junction of St. Thomas, Loethen Ferry, and Morff's Ferry rds., in root on NW. side of 22-in. ash tree; copper nail and washer	565.46
T. 42 N., R. 12 W., in SW 1/4 sec. 35, 200 ft. S. of Morff's Ferry rd., 7 ft. W. of Loethen Ferry-St. Thomas rd., on NW. corner of concrete slab culvert; chiseled square	553.42
T. 42 N., R. 12 W., in SW 1/4 sec. 35, 2.5 mi. S. of St. Thomas, 0.3 mi. below Sugar Creek, on W. bank of Osage River, at Morff's Ferry landing, 24 ft. S. and 42 ft. W. from SW. corner of recorder house, 44 ft. S. and 3 ft. E. from 18-in. box-elder tree, in concrete post; standard tablet (set by water-resources branch of U.S. Geol. Survey)	552.732

5. FROM ST. THOMAS NORTH INTO EUGENE QUADRANGLE AT SEC. 16,
T. 43 N., R. 12 W. (by O. F. Hodgdon in 1934)

St. Thomas, 0.5 mi. NW. of Catholic Church, 8 ft. W. of Jefferson City-St. Thomas rd., on top of W. partition wall of concrete culvert; chiseled square	737.82
St. Thomas, 1.6 mi. NW. of, along Jefferson City-St. Thomas rd., near W. sixteenth cor. sec. 14, T. 42 N., R. 12 W., 20 ft. SW. of rd., in root on E. side of 16-in. red-oak tree; copper nail and washer	740.25
St. Thomas, 2 mi. NW. of, along Jefferson City-St. Thomas rd., near W. sixteenth cor. between secs. 11 and 14, T. 42 N., R. 12 W., 25 ft. W. of rd., in root of 8-in. walnut tree; nail and washer	723.69
St. Thomas, 2.2 mi. N. of, along Jefferson City-St. Thomas rd., near center of SW 1/4 sec. 11, T. 42 N., R. 12 W., 600 ft. S. of T-rd. to school, 20 ft. W. of rd., 3 ft. W. of 14-in. walnut tree, in fence corner, in concrete post; standard tablet stamped "48 C W A 1934"	726.640
Reference mark, 60 ft. N. of tablet, in root on NE. side of 44-in. post-oak tree; copper nail and washer	728.30
St. Thomas, 3.4 mi. NW. of, along Jefferson City-St. Thomas rd., 75 ft. E. of rd. forks, in root on N. side of 22-in. post-oak tree; copper nail and washer	696.70
St. Thomas, 4.3 mi. N. of, along Jefferson City-St. Thomas rd., 130 ft. S. of Osage River, 10 ft. W. of rd., in chiseled circle on concrete foundation of ferry tower; chiseled square	548.37
T. 43 N., R. 12 W., in NE 1/4 sec. 35, 0.2 mi. S. of Osage Bluff, at farm of E. C. Brenner, 200 ft. E. of County Route B, in N. corner of small orchard, in concrete post; standard tablet stamped "47 C W A 1934"	824.787
Reference mark 155 ft. SW. of tablet, in root on S. side of 24-in. maple tree; copper nail and washer	820.73
Osage Bluff, 0.9 mi. N. of, along County Route B, on line between secs. 23 and 26, T. 43 N., R. 12 W., 40 ft. W. of highway, in root on NE. side of 28-in. post-oak tree; copper nail and washer	824.42
Osage Bluff, 1.9 mi. NW. of, along Honey Creek rd., 170 ft. N. and 330 ft. W. from junction of Henley rd., in root on N. side of 22-in. hickory tree; copper nail and washer	829.67
T. 43 N., R. 12 W., in NW 1/4 sec. 22, near junction of Tannar Bridge and Honey Creek rds., 500 ft. E. of dwelling of H. A. Korsmeyer, in SW. corner of orchard, in concrete post; standard tablet stamped "46 C W A 1934"	808.804
Reference mark, 70 ft. S. and 20 ft. W. from tablet, in root on SE. side of 12-in. post-oak tree; copper nail and washer	805.17

(Continued in Eugene quadrangle; see line 5.)

6. FROM WESTPHALIA SOUTHWEST ALONG COUNTY ROUTE M (now State Highway 133) TO META (by F. Y. Brown in 1936)

Westphalia, 1 mi. N. of, 115 ft. S. of junction of U.S. Highway 63, in root on NW. side of 6-in. white-oak tree; copper nail and washer	793.77
T. 43 N., R. 10 W., in SW 1/4 sec. 22, 160 ft. W. of rd. junction, in root on S. side of 14-in. hickory tree; crossed nails	799.71
Westphalia, 1 mi. W. of, 90 ft. S. and 10 ft. E. from junction of rd. NE., 50 ft. E. of highway, in root on W. side of 20-in. black-oak tree; copper nail and washer	783.01
Junction of rd. W. at curve, 24 ft. S. of, in E. side of 14-in. black-oak tree; crossed nails	785.46
Junction of rd. W., 240 ft. S. and 180 ft. W. from, 35 ft. E. of highway, in root on E. side of 12-in. black-oak tree; crossed nails	775.66
Large barn, 600 ft. N. and 150 ft. E. from, 50 ft. E. of highway, in root on W. side of 30-in. white-oak tree; copper nail and washer	759.40
Gate, in N.-S. fence line, 50 ft. W. of, 40 ft. S. of highway, in root on N. side of 12-in. white-oak tree; crossed nails	759.21
Westphalia, 3.6 mi. SW. of, in NW 1/4 sec. 32, T. 43 N., R. 10 W., 105 ft. S. and 10 ft. W. from junction of private rd. SE., 5 ft. W. of painted black-oak tree in fence line, in concrete post; standard tablet stamped "T 40 J J 1936"	781.444
Reference mark 1, 5 ft. E. of tablet, in root on N. side of tree; copper nail and washer	781.40

	Feet
Reference mark 2, 175 ft. W. of tablet, in fence line, in root on N. side of 14-in. black-oak tree; copper nail and washer	779.40
Junction of wood trail N. at curve, 110 ft. W. of, 40 ft. N. of highway, in root on S. side of twin 8-in. black-oak tree; crossed nails	774.65
Junction of private rd. S. to farm of Joe Fechtel, 75 ft. S. of, at gatepost; surface of ground	791.8
T. 43 N., R. 10 W., in sec. 31, 270 ft. E. of junction of rd. N. at curve, in fence line, in root on N. side of 22-in. white-oak tree; copper nail and washer	800.39
Filling sta., 35 ft. E. of highway, on concrete base between gasoline pumps; painted square	826.83
Junction of rds. S., 45 ft. S. and 24 ft. W. from, in corner of field, in root on N. side of 16-in. white-oak tree; copper nail and washer	820.18
T. 42 N., R. 11 W., in NW 1/4 sec. 1, about 0.2 mi. SW. of Folk, 80 ft. N. and 3 ft. E. from junction of rd. NW., in concrete post; standard tablet stamped "T T 41 J J 1936"	843.430
Reference mark 1, 6 ft. N. and 15 ft. E. from tablet, in root on N. side of 8-in. white-oak tree; copper nail and washer	842.09
Reference mark 2, 80 ft. S. and 20 ft. W. from tablet, in root on E. side of 20-in. black-oak tree; copper nail and washer	841.07
Painted Rock Club, 10 ft. SE. of N. entrance to, 45 ft. W. of highway, in fence line, in root on E. side of 10-in. white-oak tree; crossed nails	825.58
Painted Rock Club, 12 ft. N. of main entrance gate, 60 ft. W. of highway, in fence line, in root on E. side of 20-in. black-oak tree; copper nail and washer	831.36
Junction of rd. E., 50 ft. S. and 50 ft. E. from, at entrance to picnic grounds on farm of P. Heckman, in root on E. side of 14-in. black-oak tree; crossed nails	883.81
Junction of wood trail S. at curve, 60 ft. W. of, in fence line, in root on E. side of 14-in. white-oak tree; crossed nails	864.28
Junction of rd. E., 40 ft. E. of highway, 6 ft. S. of rd., in root on W. side of 14-in. white-oak tree; copper nail and washer	848.16
Babbtown, 3.8 mi. NE. of, in SW 1/4 sec. 14, T. 42 N., R. 11 W., 60 ft. S. and 35 ft. W. from junction of rd. S., in concrete post; standard tablet stamped "T T 42 J J 1936"	861.847
Reference mark, 150 ft. N. of tablet, in root on E. side of 20-in. black-oak tree; copper nail and washer	853.60
Junction of rd. NW., 300 ft. S. of, 40 ft. E. of highway at top of hill, in field, in root on SE. side of 16-in. walnut tree; crossed nails	808.43
Junction of rd. E., 40 ft. N. and 20 ft. W. from, 40 ft. N. of gate to field, 3 ft. E. of fence line, in root on W. side of 16-in. white-oak tree; copper nail and washer	802.65
Top of hill S. of farm of C. A. Schoenen, 45 ft. E. of highway, in fence line, in root on W. side of 12-in. white-oak tree; crossed nails	781.54
Fence corner, 20 ft. W. of, 35 ft. N. of highway, near right-of-way post, in root on S. side of 14-in. white-oak tree; copper nail and washer	830.26
Gate at junction of lane N., 10 ft. E. of, 65 ft. N. of highway, in fence line, in root on S. side of 16-in. white-oak tree; crossed nails	843.98
Babbtown, 1 mi. NW. of, 40 ft. S. of highway at top of hill, 10 ft. S. of fence line, in root on N. side of 10-in. hickory tree; copper nail and washer	894.88
Babbtown, 0.3 mi. W. of, 24 ft. N. and 15 ft. E. from junction of rd. E., on NW. corner of E. head wall of concrete culvert; painted square	842.50
Barnyard of F. A. Otke, 200 ft. E. of highway, at NE. corner of barn, on top of N. end of concrete well top; painted square	930.71
Meta, 1.8 mi. N. of, 45 ft. S. and 60 ft. E. from junction of rd. E., in fence line, in root on S. side of 30-in. white-oak tree; copper nail and washer	930.09
Junction of rd. W., 100 ft. S. and 40 ft. E. from, in root on W. side of 20-in. black-oak tree; crossed nails	867.41
Meta, 1.1 mi. N. of, 300 ft. N. of dwelling of Joe Schensneyer, 25 ft. E. of junction of private rd. NE., in root on E. side of 22-in. white-oak tree; copper nail and washer	859.77
Gate to farm of Henry Parker, 20 ft. S. and 10 ft. E. from, in root on S. side of 36-in. black-oak tree; crossed nails	767.60
Meta, 0.5 mi. N. of, at junction of rd. W., on concrete between gasoline pumps; chiseled square	703.10
U.S.C. & G.S. standard disk stamped "W 98 1935"	610.084
7. FROM NEW BLOOMFIELD QUADRANGLE AT SEC. 1, T. 43 N., R. 11 W., WEST TO WARDSVILLE, THENCE SOUTHWEST ALONG COUNTY ROUTE B ABOUT 4 MILES (by F. Y. Brown in 1936)	
(Continued from New Bloomfield quadrangle; see line 7.)	
T. 43 N., R. 11 W., in NW 1/4 sec. 12, 8 ft. N. and 45 ft. W. from cross-roads, in fence corner, in concrete post; standard tablet stamped "T T 37 J J 1936"	817.793
Cedar Grove School, near front porch of, 20 ft. S. of rd., in root on E. side of 12-in. hickory tree; crossed nails	803.35
Taos, 2.6 mi. SW. of, 15 ft. N. of T-rd. S., 450 ft. E. of T-rd. NW., in root on W. side of 14-in. pine tree; copper nail and washer	807.14
Taos, 3.2 mi. SW. of, 18 ft. N. and 8 ft. E. from wood trail N., in crotch of twin 10-in. black-oak tree; copper nail and washer	788.69
Wardsville, 2.5 mi. E. of, 25 ft. S. and 60 ft. E. from T-rd. SE., in fence corner, in root on N. side of 16-in. white-oak tree; copper nail and washer	783.57
Wardsville, 2 mi. E. of, 110 ft. W. of private rd. N., 20 ft. N. of rd., in fence line, in root on N. side of 10-in. hickory tree; crossed nails	777.27

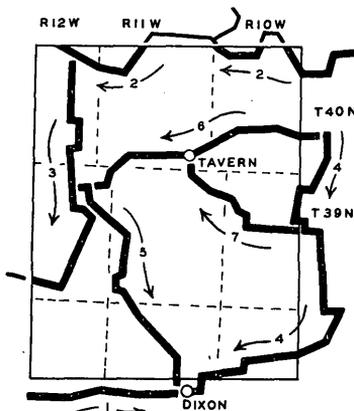
	<u>Feet</u>
Concrete culvert, on W. end of S. head wall; chiseled square	752.98
T. 43 N., R. 11 W., near center sec. 9, 20 ft. S. and 12 ft. W. from T-lane S., in concrete post; standard tablet stamped "T T 38 J J 1936"	799.066
Rd. fork S., in center of triangle, 25 ft. S. of rd., in root on S. side of 14-in. white-oak tree; crossed nails	814.06
Wardsville, 1.2 mi. E. of, 85 ft. N. and 30 ft. W. from T-rd. N., in root on N. side of 14-in. white-oak tree; copper nail and washer	801.42
T-rd. S., 15 ft. S. and 15 ft. E. from, in fence corner, in root on N. side of 20-in. elm tree; crossed nails	773.43
Wardsville, 1 mi. E. of, 45 ft. S. and 15 ft. W. from T-rd. S., in root on N. side of 10-in. black-walnut tree; copper nail and washer	757.72
T-rd. W., 140 ft. S. of, 20 ft. E. of rd., in fence corner, in root on E. side of 26-in. white-oak tree; crossed nails	740.49
Wardsville, 120 ft. S. of County Route B, 60 ft. N. of crossroads, 25 ft. W. of rd., in root on W. side of 20-in. maple tree; copper nail and washer	802.82
Concrete culvert, on E. end of S. head wall; chiseled square	735.39
T-rd. S., 25 ft. N. and 70 ft. W. from, 6 ft. S. of fence line, in root on E. side of 36-in. white-oak tree; crossed nails	811.64
Wardsville, 1.1 mi. W. of, 45 ft. S. of highway at curve, 240 ft. E. of NE. corner of barn, in root on N. side of 14-in. hickory tree; copper nail and washer	811.01
Wardsville, 1.7 mi. W. of, 40 ft. N. and 10 ft. W. from junction of rd. NW., in concrete post; standard tablet stamped "T T 39 J J 1936"	783.519
Junction of lane to farmhouse of L. Frank, 40 ft. N. and 40 ft. W. from, in fence line, in root on S. side of 30-in. white-oak tree; crossed nails	790.98
Wardsville, 3.3 mi. W. of, 15 ft. E. of highway, on S. end of E. head wall of concrete culvert; chiseled square	695.49
Wardsville, 3.8 mi. W. of, 500 ft. NE. of blacksmith shop of A. Engelbrecht, 18 ft. E. of highway, on N. end of E. head wall of concrete culvert; chiseled square	695.93
Junction of rd. W., 450 ft. S. and 150 ft. (?) from, 60 ft. N. of junction of rd. E., 35 ft. W. of highway, in root on N. side of 14-in. white-oak tree; nail	809.09

For additional level lines along U.S. 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.

TAVERN QUADRANGLE

(Latitude 38°00'-38°15'; longitude 92°00'-92°15')

Maries, Miller, Phelps, and Pulaski Counties



1. FROM RICHLAND QUADRANGLE AT SEC. 33, T. 38 N., R. 12 W., EAST BY WAY OF HANCOCK AND HELM TO DIXON (in Waynesville quadrangle; by W. R. Broadus in 1925)*

Crocker, 2.7 mi. N., thence 1.1 mi. E. from, along rd. to Hancock, in NE 1/4 sec. 33, T. 38 N., R. 12 W., 100 ft. NE. of two-story dwelling, 15 ft. N. of rd., in root on S. side of 14-in. oak tree; copper nail and washer	1,042.82
Hancock, 3.6 mi. W. of, 0.2 mi. E. of center sec. 27, T. 38 N., R. 12 W., N. of creek, 23 ft. S. and 5 ft. E. from rd. forks, in root on S. side of 9-in. white-oak tree; copper nail and washer	916.57
Hancock, 3 mi. W. of, about 0.3 mi. W. of center sec. 26, T. 38 N., R. 12 W., 0.4 mi. E. of creek, 620 ft. W. of T-rd. N. on top of hill, on W. slope of hill, 13 ft. N. of rd., 3 ft. from fence, in top of limestone ledge; standard tablet stamped "19 B 1925 Mo"	980.326

*Published also as line 6 of the Waynesville quadrangle (see Bull. 898-B, pp. 275-276).

	Feet
Reference mark, 110 ft. N. 60° E. of tablet, in root on S. side of 14-in. post-oak tree; copper nail and washer	986.37
Hancock, 1.7 mi. NW. of, in NE 1/4 NE 1/4 sec. 26, T. 38 N., R. 12 W., 190 ft. NE. of Brown School, 12 ft. N. of rd., 10 ft. E. of gate, in root of 18-in. black-oak tree; copper nail and washer	933.44
Hancock, 1.2 mi. NW. of, near center sec. 25, T. 38 N., R. 12 W., 20 ft. N. and 40 ft. W. from rd. forks, in root on S. side of 12-in. post-oak tree; copper nail and washer	1,035.38
Hancock, 0.7 mi. NW. of, in NE 1/4 SE 1/4 sec. 25, T. 38 N., R. 12 W., 40 ft. E. of rd. corner from W.-S., at E. side of iron gate, in root on SW. side of 7-in. post-oak tree; copper nail and washer	1,041.81
Hancock, near line between secs. 30 and 31, T. 38 N., R. 11 W., 125 ft. SW. of St. Louis-San Francisco Ry. sta., 95 ft. W. of rd. crossing, 5 ft. E. of fence corner, in concrete post; standard tablet stamped "20 B 1925 Mo"	1,108.927
Reference mark, 156 ft. N. 30° E. of tablet, on top of concrete platform; chiseled square	1,113.20
Hancock, 1.2 mi. E. of, along rd. to Helm, near center of SW 1/4 sec. 29, T. 38 N., R. 11 W., 40 ft. N. and 20 ft. E. from rd. fork E., in root on SW. side of 20-in. black-oak tree; copper nail and washer	1,215.88
Helm, in NE 1/4 sec. 32, T. 38 N., R. 11 W., on top at SE. corner of concrete porch in front of general store of M. O. Mitchell & Son; chiseled square	1,216.62
Helm, 0.7 mi. NE. of, near center of SW 1/4 sec. 28, T. 38 N., R. 11 W., 47 ft. S. of St. Louis-San Francisco Ry. at crossing of private lane, 20 ft. W. of rd. corner, 3 ft. S. of fence corner, in concrete post; standard tablet stamped "21 B 1925 Mo"	1,194.665
Reference mark, 20 ft. N. 65° E. of tablet, in root on E. side of 20-in. black-oak tree; copper nail and washer	1,194.18
Dixon, 1.8 mi. W. of, 0.1 mi. E. of cor. secs. 21, 22, 27, and 28, T. 38 N., R. 11 W., 600 ft. NE. of St. Louis-San Francisco Ry. at rd. crossing, 35 ft. N. and 90 ft. W. from rd. forks, in root on S. side of 15-in. post-oak tree; copper nail and washer	1,199.55
Dixon, 0.8 mi. W. of, W. sixteenth cor. between secs. 23 and 26, T. 38 N., R. 11 W., 60 ft. N. and 180 ft. E. from T-rd. N., in root on E. side of 30-in. post-oak tree; copper nail and washer	1,196.38
Dixon, at SW. corner of park, 40 ft. N. and 75 ft. E. from street intersection, 3 ft. inside of walk, in concrete post; standard tablet stamped "22 B 1925 Mo"	1,175.409
Reference mark, 110 ft. S. 85° W. of tablet, in root on SE. side of 12-in. maple tree; copper nail and washer	1,179.97
Dixon, in front of St. Louis-San Francisco Ry. sta.; top of rail	1,189.8
2. FROM VIENNA QUADRANGLE AT SEC. 11, T. 40 N., R. 10 W., WEST BY WAY OF VAN CLEVE INTO META QUADRANGLE AT SEC. 34, T. 41 N., R. 12 W. (by L. V. Johnson in 1932)	
T. 40 N., R. 10 W., in NW 1/4 sec. 11, 15 ft. S. and 15 ft. E. from rd. fork SW., in root on W. side of 15-in. oak tree; copper nail and washer	922.65
T. 40 N., R. 10 W., in NW 1/4 sec. 2, 90 ft. S. and 15 ft. W. from rd. fork NE., 45 ft. SE. of SE. corner of dwelling of Louis Reinkemeyer, in root on S. side of 12-in. oak tree; copper nail and washer	925.62
Tps. 40 and 41 N., R. 10 W., about 620 ft. S. of cor. secs. 2, 3, 34, and 35, 98 ft. N. and 153 ft. W. from old state rd. at dim rd. NE., 2 ft. N. of fence corner, in concrete post; standard tablet stamped "2 J 1932"	850.293
(For balance in Meta quadrangle, see line 2.)	
T. 41 N., R. 10 W., in SE 1/4 sec. 33, 3.3 mi. S. of Argyle, 40 ft. N. and 10 ft. E. from rd. forks, in fence line, in root on SE. side of 10-in. hickory tree; copper nail and washer	753.78
T. 40 N., R. 10 W., in NE 1/4 sec. 5, 4.4 mi. SW. of Argyle, 75 ft. N. and 20 ft. E. from private rd. fork NW. to dwelling of Frank Bode, 95 ft. NE. of mail box, in fence line, in root on SE. side of 18-in. walnut tree; copper nail and washer	744.55
T. 40 N., R. 10 W., in SW 1/4 sec. 5, 5.5 mi. SW. of Argyle along Little Maries rd., 34 ft. S. and 60 ft. E. from rd. fork SE., 15 ft. N. and 12 ft. E. from fence corner, in concrete post; standard tablet stamped "5 J 1932"	744.620
Reference mark, 100 ft. E. of rd. forks, S. of rd., in root on S. side of 30-in. oak tree; copper nail and washer	742.99
T. 41 N., R. 10 W., in SW 1/4 sec. 31, on Meta-Vienna rd., 200 ft. NW. of dim rd. fork E. to field, 15 ft. E. of rd., in root on NW. side of triangular-blazed 12-in. oak tree; copper nail and washer	806.15
(For balance in Meta quadrangle, see line 2.)	
Van Cleve, 2 mi. NE. of, along rd. to Meta (now State Highway 133), 8 ft. S. and 22 ft. W. from rd. in front of dwelling of A. H. Barnhart, 3 ft. S. of SE. corner of garage, in root on N. side of 12-in. locust tree; copper nail and washer	817.28
Van Cleve, 0.9 mi. N. of, along rd. to Meta (now State Highway 133), 75 ft. N. and 12 ft. E. from junction of rd. N., in root on SE. side of 24-in. oak tree; copper nail and washer	831.80
Van Cleve, 12 ft. S. and 80 ft. W. from junction of rd. W., in root on NW. side of 20-in. oak tree; copper nail and washer	768.81
T. 40 N., R. 11 W., cor. secs. 5, 6, 7, and 8, 21 ft. N. and 13 ft. W. from stone at rd. corner W.-NE., in concrete post; standard tablet stamped "T T 139 B 1932"	750.527

	<u>Feet</u>
Reference mark, 50 ft. NE. of tablet, in root on W. side of 18-in. oak tree; copper nail and washer	746.76
T. 40 N., R. 11 W., 30 ft. N. of W. cor. secs. 6 and 7, on Maries-Miller county line, at S. gatepost, in root on NW. side of 24-in. oak tree; copper nail and washer	724.05
T. 40 N., R. 12 W., near W. sixteenth cor. between secs. 1 and 12, about 600 ft. N. of rd. forks, 55 ft. S. and 70 ft. E. from rd. at fence E., in root on W. side of triangular-blazed 15-in. oak tree; copper nail and washer	805.34
St. Elizabeth, 3.3 mi. E. of, about 0.2 mi. W. of NE. cor. sec. 2, T. 40 N., R. 12 W., 40 ft. S. and 20 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 140 B 1932"	767.393
Reference mark, 16 ft. N. and 20 ft. E. from crossroads, in root on W. side of 12-in. hickory tree; copper nail and washer	765.45
St. Elizabeth, 2.6 mi. E. of, near cor. secs. 2, 3, 34, and 35, Tps. 40 and 41 N., R. 12 W., 10 ft. S. of rd. at curve to SW., at S. corner of jog in E.-W. fence line, in root on N. side of 12-in. oak tree; copper nail and washer	752.22
St. Elizabeth, 1.7 mi. E. of, 20 ft. N. and 10 ft. E. from E. end of bridge over creek, in root on SW. side of 15-in. walnut tree; copper nail and washer	581.03
(Continued in Eugene quadrangle; see line 1.)	
3. FROM SEC. 12, T. 40 N., R. 12 W., SOUTH INTO IBERIA QUADRANGLE AT SEC. 33, T. 39 N., R. 12 W. (by L. V. Johnson in 1932)	
T. 40 N., R. 12 W., in SE 1/4 sec. 12, 250 ft. S. of T-rd. E., 22 ft. W. of rd., in line with N. face of dwelling of Theodore Bax, 3 ft. E. of barn, in concrete post; standard tablet stamped "T T 187 B 1932"	804.922
T. 40 N., R. 12 W., in SW 1/4 sec. 13, 180 ft. S. of rd. fork NE. to stone farmhouse, 270 ft. N. of mail box, 40 ft. S. of ford across small creek, 15 ft. E. of rd. in line with dim rd. W. to field, in root on W. side of 15-in. hickory tree; copper nail and washer	642.81
T. 40 N., R. 12 W., near center sec. 24, 0.2 mi. S. of farmhouse of H. E. Parlis, on N. slope of hill, 40 ft. N. of rd. corner, in fence line, in root on NE. side of triangular-blazed 15-in. oak tree; copper nail and washer	774.97
T. 40 N., R. 12 W., near center sec. 25, 10 ft. S. and 50 ft. E. from SE. corner of dwelling of Joe Dake, 22 ft. N. and 18 ft. W. from T-rd. E., in root on E. side of twin oak tree; copper nail and washer	843.42
T. 40 N., R. 12 W., in NE 1/4 sec. 36, 85 ft. N. and 25 ft. E. from T-rd. N., 63 ft. S. and 30 ft. W. from SW. corner of dwelling of W. M. Duncan, in concrete post; standard tablet stamped "T T 186 B 1932"	797.154
Reference mark, 35 ft. N. and 15 ft. E. from T-rd. N., in root on W. side of 24-in. oak tree; copper nail and washer	794.77
T. 39 N., R. 12 W., in NE 1/4 sec. 2, 15 ft. S. and 60 ft. E. from SE. corner of dwelling of Ed Pelden (Pelten?), 35 ft. W. of rd., in root on E. side of 15-in. walnut tree; copper nail and washer	774.71
T. 39 N., R. 12 W., about 0.8 mi. S. of N. cor. secs. 1 and 2, 110 ft. N. of rd. fork E., 30 ft. N. and 10 ft. E. from rd. fork W., in concrete post; standard tablet stamped "T T 185 B 1932"	745.854
Reference mark, 12 ft. N. of tablet, in root on NW. side of elm tree; copper nail and washer	745.87
T. 39 N., R. 12 W., in SE 1/4 sec. 2, about 400 ft. SW. of ford, 60 ft. E. of rd. forks, 1 ft. N. of fence line, in root on N. side of triangular-blazed 10-in. oak tree; copper nail and washer	788.42
T. 39 N., R. 12 W., near quarter cor. between secs. 1 and 2, 20 ft. S. and 35 ft. W. from rd. fork SW., about 80 ft. NW. of farmhouse, 12 ft. S. and 35 ft. E. from mail box, in root on SW. side of 18-in. oak tree; copper nail and washer	867.40
T. 39 N., R. 12 W., near quarter cor. between secs. 12 and 13, 13 ft. S. and 23 ft. E. from rd. fork E., in root on NW. side of triangular-blazed 24-in. oak tree; copper nail and washer	994.32
T. 39 N., R. 12 W., about 680 ft. E. of quarter cor. between secs. 13 and 14, 54 ft. N. and 30 ft. E. from NE. corner of Mount Gilead Church, 80 ft. W. of rd. forks, 20 ft. N. of rd., in concrete post; standard tablet stamped "T T 184 B 1932"	991.592
Reference mark, 8 ft. NE. of NE. corner of church, in root on SE. side of 15-in. hickory tree; copper nail and washer	991.32
T. 39 N., R. 12 W., in SE 1/4 sec. 23, 20 ft. S. and 65 ft. W. from W. point of triangle formed by rd. forks, 10 ft. N. of rd., in root on SW. side of triangular-blazed 10-in. oak tree; copper nail and washer	1,027.51
T. 39 N., R. 12 W., in NE 1/4 sec. 26, 20 ft. N. and 18 ft. W. from N. point of triangle formed by rd. fork NW., in root on S. side of 18-in. oak tree; copper nail and washer	896.58
T. 39 N., R. 12 W., in NW 1/4 sec. 35, 20 ft. N. of rd., 52 ft. E. of E. corner of dwelling of Dewey Thompson, in concrete post; standard tablet stamped "T T 183 B 1932"	924.795
T. 39 N., R. 12 W., in NW 1/4 sec. 34, 25 ft. S. and 20 ft. W. from rd. in front of dwelling of Mrs. Joel Alwell, 12 ft. NW. of N. gatepost to pasture, 2 ft. W. of fence line, in root on E. side of 12-in. oak tree; copper nail and washer	927.68
Iberia, 3.7 mi. SE. of, near center sec. 33, T. 39 N., R. 12 W., 15 ft. S. and 40 ft. E. from junction of rd. forks NE. and SE., in root on S. side of 24-in. oak tree; copper nail and washer	786.40
(Continued in Iberia quadrangle; see line 2.)	

4. FROM VIENNA SOUTH TO DIXON, INCLUDING THAT PART OF THE LINE IN VIENNA AND WAYNESVILLE QUADRANGLES (by O. F. Hodgdon in 1934)*		<u>Feet</u>
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., 127 ft. S. and 30 ft. W. from SW. cor. sec. 2, 30 ft. W. of rd., in root on E. side of 14-in. post-oak tree; copper nail and washer		1,082.08
Vienna, 7.1 mi. SW. of, on line between secs. 10 and 15, T. 39 N., R. 11 W., 40 ft. N. of State Highway 28, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 326 C W A 1934"		1,102.982
Reference mark, 28 ft. N. and 73 ft. W. from tablet, 30 ft. N. of highway, in root on N. side of 16-in. post-oak tree; copper nail and washer		1,101.70
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 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 (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., 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 34-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
T. 38 N., R. 10 W., 0.2 mi. S. of NW. cor. sec. 14, 40 ft. SE. of Cliftydale rd., in root on N. side of 22-in. white-oak tree; copper nail and washer		960.57
T. 38 N., R. 10 W., 43 ft. E. of quarter cor. between secs. 15 and 16, 27 ft. E. of Cliftydale rd., in root on W. side of 16-in. white-oak tree; copper nail and washer		980.62
T. 38 N., R. 10 W., 13 ft. S. and 28 ft. W. from quarter cor. between secs. 16 and 17, 13 ft. S. of Cliftydale rd., in root on N. side of 30-in. post-oak tree; copper nail and washer		992.15
Dixon, 4 mi. NE. of, along State Highway 28, 50 ft. N. of junction of rd. E. to Cliftydale, 35 ft. E. of highway, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 319 C W A 1934"		1,179.026
Reference mark, 68 ft. E. of tablet, 45 ft. N. of Cliftydale rd., 70 ft. SW. of highway, in root on W. side of 10-in. hickory tree; copper nail and washer		1,178.13
Dixon, 3.5 mi. NE. of, along State Highway 28, 15 ft. S. of Maries-Pulaski county line, 40 ft. E. of highway, in root on SW. side of 12-in. red-oak tree; copper nail and washer		1,138.89
Dixon, about 2.1 mi. E. of, along State Highway 28, in SE 1/4 sec. 19, T. 38 N., R. 10 W., 65 ft. SE. of highway, 15 ft. SW. of White House Ferry rd., in root on W. side of 12-in. Spanish-oak tree; copper nail and washer		1,176.60

*Line 4 of Vienna quadrangle includes a portion of this line (see Bull. 898-C, p. 418); also line 9 of Waynesville quadrangle (see Bull. 898-B, p. 277).

	<u>Feet</u>
Dixon, about 1.3 mi. E. of, along State Highway 28, in SW 1/4 sec. 19, T. 38 N., R. 10 W., 50 ft. N. of highway, in root on SE. side of 20-in. blackjack-oak tree; nail and washer	1,213.07
5. FROM SEC. 2, T. 39 N., R. 12 W., SOUTH INTO WAYNESVILLE QUADRANGLE AT SEC. 22, T. 38 N., R. 11 W. (by W. L. Presley in 1934)	
T. 39 N., R. 12 W., in sec. 1 (?), 222 ft. E. of dwelling of E. T. Tauner, 22 ft. N. of E.-W. rd., in root on S. side of 10-in. post-oak tree; nail	879.62
T. 39 N., R. 12 W., in sec. 1 (?), 38 ft. N. and 600 ft. W. from junction of rd. along Miller County line and N.-S. rd., in root on S. side of twin post-oak tree; copper nail and washer	875.62
T. 39 N., R. 12 W., in sec. 1 (?), 20 ft. S. and 65 ft. E. from SE. corner of dwelling of W. H. Humphrey, 11 ft. W. of rd. along Maries-Miller County line, in root of 6-in. silver-maple tree; copper nail and washer	928.90
T. 39 N., R. 11 W., in SW 1/4 sec. 6, 48 ft. E. of SW. corner of dwelling, 10 ft. W. of N.-S. rd., in root of 14-in. black-oak tree; copper nail and washer	917.10
T. 39 N., R. 12 W., 950 ft. E. of NE. cor. sec. 12, in SW 1/4 sec. 6, T. 39 N., R. 11 W., 950 ft. E. of Sudheimer Store, 12 ft. S. of T-rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 315 C W A 1934"	947.71
Reference mark, 30 ft. N. and 312 ft. E. from tablet, in top of stump of 16-in. white-oak tree; copper nail and washer	923.392
T. 39 N., R. 11 W., near line between secs. 6 and 7, N. of rd., on NW. corner of head wall of culvert; chiseled square	906.67
T. 39 N., R. 11 W., in NW 1/4 sec. 8, 30 ft. E. of Little Tavern Creek, 18 ft. S. of E.-W. rd., in root on N. side of 24-in. walnut tree; copper nail and washer	850.06
T. 39 N., R. 11 W., in SW 1/4 sec. 8, 60 ft. E. of T-rd., 50 ft. N. of NW. corner of dwelling, in root on W. side of 24-in. black-oak tree; copper nail and washer	798.39
T. 39 N., R. 11 W., in SW 1/4 sec. 17, 82 ft. N. of crossroads, W. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 316 C W A 1934"	933.79
Reference mark, 300 ft. S. and 28 ft. E. from tablet, in root on W. side of 16-in. white-oak tree; copper nail and washer	973.129
T. 39 N., R. 11 W., in NW 1/4 sec. 29, 60 ft. S. of crossroads, 28 ft. from rd., in root on W. side of 18-in. white-oak tree; copper nail and washer	976.73
T. 39 N., R. 11 W., in W 1/2 sec. 29, 0.5 mi. S. of crossroads, 15 ft. E. of rd., in root on W. side of 18-in. white-oak tree; copper nail and washer	1,095.07
T. 39 N., R. 11 W., in SW 1/4 sec. 29, 130 ft. E. of SE. corner of dwelling, in root on N. side of 12-in. white-oak tree; copper nail and washer	1,100.26
T. 39 N., R. 11 W., in NW 1/4 sec. 32, 28 ft. N. of rd. forks, 12 ft. E. of rd. NW., 14 ft. W. of rd. NE., in root on N. side of 24-in. white-oak tree; copper nail and washer	1,171.87
T. 39 N., R. 11 W., in S 1/2 sec. 32, S. of junction of rd. to Iberia and Brinktown-Dixon rd., 550 ft. S. of transmission line, 320 ft. S. of dwelling of E. C. Hale, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 317 C W A 1934"	1,145.10
Reference mark, 25 ft. N. and 200 ft. E. from tablet, in root on S. side of 12-in. white-oak tree; copper nail and washer	1,133.689
T. 38 N., R. 11 W., in NE 1/4 sec. 5, 32 ft. SE. of rd. forks, 14 ft. S. of N. rd., 26 ft. N. of S. rd., in root on N. side of 18-in. blackjack-oak tree; copper nail and washer	1,126.54
T. 38 N., R. 11 W., in SE 1/4 sec. 4, on NE. corner of head wall of bridge over Little Maries Creek; chiseled square	1,120.67
Dixon, 1.5 mi. N. and 1 mi. W. from, in NW 1/4 sec. 15, T. 38 N., R. 11 W., 85 ft. S. of S. entrance to Ajax Pipe Line pumping sta., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 318 C W A 1934"	1,019.20
Reference mark, 120 ft. SE., thence 20 ft. NE. from tablet, in root on SW. side of 24-in. white-oak tree; copper nail and washer	1,165.495
Dixon, 1 mi. N. and 1 mi. W. from, in NE 1/4 sec. 22, T. 38 N., R. 11 W., 125 ft. S. and 25 ft. E. from Maries-Pulaski county line, 36 ft. N. and 25 ft. E. from T-rd. W., 10 ft. S. and 100 ft. W. from dwelling, in root on E. side of 16-in. post-oak tree; copper nail and washer	1,168.28
1,192.656	
6. FROM VIENNA QUADRANGLE WEST ALONG COUNTY ROUTE A (now State Highway 42) TO SEC. 1, T. 39 N., R. 12 W. (by S. M. Hayes in 1934)	
Vienna, 3.4 mi. W. of, 50 ft. S. of highway, at gatepost, in twin white-oak tree; copper nail and washer	940.64
Vienna, 3.7 mi. W. of, 460 ft. NW. of crossroad, 35 ft. N. of highway, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 308 C W A 1934"	957.910
Vienna, 4.2 mi. W. of, 35 ft. S. of highway at N.-S. fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 309 C W A 1934"	931.176
Vienna, 4.7 mi. W. of, 40 ft. N. of highway, in S. side of white-oak tree; copper nail and washer	965.63

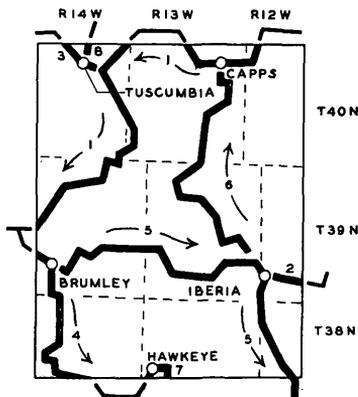
	<u>Feet</u>
Vienna, 5.3 mi. W. of, 45 ft. S. of highway, 45 ft. W. of junction of rd. S. to Venus, in root on N. side of 12-in. white-oak tree; copper nail and washer	995.55
Vienna, 5.8 mi. W. of, 35 ft. N. of highway, in root on S. side of 14-in. black-jack-oak tree; copper nail and washer	992.89
Vienna, 6.5 mi. W. of, 50 ft. S. of highway, in root on W. side of 12-in. white-oak tree; copper nail and washer	971.94
Vienna, 6.6 mi. W. of, 250 ft. SW. of farmhouse of Thomas Edwards, 100 ft. S. of highway at curve SE.-SW., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 310 C W A 1934"	1,002.952
Vienna, 6.9 mi. W. of, 35 ft. N. and 32 ft. E. from rd. fork NW., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 311 C W A 1934"	1,071.104
Vienna, 7.7 mi. W. of, 45 ft. S. of highway, in root on S. side of 26-in. white-oak tree; copper nail	1,012.15
Vienna, 8.2 mi. W. of, 60 ft. E. of junction of rd. S., 45 ft. S. of highway, in fence line, in root on N. side of large white-oak tree; copper nail and washer	1,010.33 914.74
Vienna, 8.6 mi. W. of, on S. concrete wall of bridge; chiseled square	
Vienna, 8.9 mi. W. of, in yard of Prosperity School, 30 ft. S. of highway, in root on W. side of 12-in. white-oak tree; copper nail and washer	995.72
Vienna, 9 mi. W. of, 30 ft. N. of highway, 20 ft. E. of entrance to farm of Anvil Martin, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 312 C W A 1934"	908.894
Vienna, 9.2 mi. W. of, 30 ft. S. of highway, 5 ft. E. of 6-in. black-oak tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 313 C W A 1934"	887.590 833.58
Vienna, 10.3 mi. W. of, on N. wall of bridge; chiseled square	
Vienna, 10.6 mi. W. of, on concrete walk of bridge over Little Maries Creek; chiseled square	826.87
Vienna, 11 mi. W. of, 600 ft. E. of junction of County Route M (now State Highway 133), 40 ft. N. of highway; (mark not described)	923.05
Vienna, 11.1 mi. W. of, 30 ft. N. of highway at junction of rd. S., in SW. side of 16-in. hickory tree; copper nail and washer	954.58
Vienna, 11.9 mi. W. of, in sec. 34, T. 40 N., R. 11 W., 30 ft. N. of rd., in root on SE. side of 8-in. post-oak tree; copper nail and washer	890.94
Vienna, 11.9 mi. W. of, 650 ft. W. of junction of rd. S., 30 ft. N. of highway, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 314 C W A 1934"	868.615
Reference mark, 45 ft. E. of rd. S., 35 ft. N. of highway; (mark not described)	866.44
Vienna, 12.9 mi. W. of, 30 ft. N. of highway, in fence line, in root on S. side of large, hollow, white-oak tree; copper nail and washer	844.22
Vienna, 13.3 mi. W. of, 70 ft. E. of Little Tavern Creek, 35 ft. N. of highway, in root on S. side of 14-in. walnut tree; copper nail and washer	725.90
Vienna, 13.9 mi. W. of, 40 ft. S. of highway, 35 ft. N. of rd., in root on N. side of 16-in. spice tree; copper nail and washer	829.67
Vienna, 14.8 mi. W. of, 60 ft. S. of junction of rd. N., 25 ft. W. of rd., in root of 6-in. black-oak tree; copper nail and washer	865.56
Vienna, 15.3 mi. W. of, in sec. 6, T. 39 N., R. 11 W., 20 ft. E. of rd., in root on W. side of 20-in. black-oak tree; copper nail and washer	868.68
7. FROM SEC. 2, T. 39 N., R. 10 W., WEST BY WAY OF BRINKTOWN TO SEC. 12, T. 39 N., R. 11 W., THENCE NORTHWEST ALONG COUNTY ROUTE M (now State Highway 133) TO JUNCTION OF COUNTY ROUTE A (now State Highway 42) (by F. Y. Brown in 1936)	
T-rd. N., 25 ft. N. and 20 ft. E. from, in root on W. side of 16-in. black-oak tree; crossed nails	1,055.64
Culvert, 8 ft. E. of rd., on center of E. head wall; chiseled square	1,020.95
T. 39 N., R. 10 W., in S 1/2 sec. 10; 50 ft. N. and 45 ft. E. from State Highway 28 at rd. NE., in root on N. side of 12-in. black-oak tree; copper nail and washer	1,100.71
T. 39 N., R. 10 W., in NW 1/4 sec. 15, 24 ft. S. and 30 ft. E. from State Highway 28 at junction of rd. to Brinktown, 6 ft. S. of fence corner, in concrete post; standard tablet stamped "T T 193 D"	1,089.931
Reference mark, 30 ft. N. of tablet, on center of E. head wall of concrete culvert; chiseled square	1,088.63
Wood trail S., 12 ft. S. and 8 ft. E. from, in root on N. side of 12-in. black-oak tree; crossed nails	1,055.02
T. 39 N., R. 10 W., in SW 1/4 sec. 9, 45 ft. N. and 100 ft. W. from rd. forks, 45 ft. N. and 40 ft. E. from entrance to farm of R. Blanton, in root on N. side of 20-in. black-oak tree; copper nail and washer	1,029.96
T. 39 N., R. 10 W., near quarter cor. between secs. 8 and 9, 35 ft. N. and 21 ft. W. from T-rd. W., in root on E. side of 18-in. black-oak tree; copper nail and washer	1,069.63
Top of hill, 15 ft. N. of rd. opposite dwelling of F. A. Sudheimer, at gate, in fence line, in root on E. side of 16-in. white-oak tree; crossed nails	1,035.99
T. 39 N., R. 10 W., near E. sixteenth cor. sec. 7, 20 ft. W. of T-rd. E., 2 ft. W. of fence, in concrete post; standard tablet stamped "T T 35 J J 1936"	927.684
T. 39 N., R. 10 W., near E. sixteenth cor. between secs. 6 and 7, 500 ft. NW. of concrete low-water bridge, 15 ft. S. and 70 ft. W. from T-rd. N., 210 ft. W. of rd. corner S.-W., in root on N. side of 30-in. black-oak tree; copper nail and washer	867.07
Farmhouse of G. T. Wiles, 35 ft. S. and 50 ft. W. from SW. corner of, in root on N. side of 16-in. hickory tree; crossed nails	985.77

	<u>Feet</u>
T. 39 N., R. 11 W., in NE 1/4 sec. 12, 15 ft. S. and 75 ft. E. from T-rd. S., in fence line, in root on N. side of 8-in. black-oak tree; crossed nails	1,008.18
Brinktown, 120 ft. E. of SE. corner of post office, 60 ft. E. of T-rd. N., in E.-W. fence line, in root on S. side of 20-in. locust tree; copper nail and washer	1,058.93
Brinktown, 0.3 mi. W. of, 45 ft. S. and 30 ft. W. from junction of rd. E., in root on NE. side of 16-in. black-oak tree; copper nail and washer	1,082.51
T. 39 N., R. 11 W., near line between secs. 1 and 12, 200 ft. S. of junction of rd. E., 100 ft. N. and 25 ft. W. from junction of wood trail W., in root on E. side of 12-in. post-oak tree; crossed nails	1,064.77
Brinktown, 0.3 mi. W., thence 1.2 mi. N. from, 30 ft. W. of highway, in root on E. side of 12-in. white-oak tree; copper nail and washer	1,013.63
T. 39 N., R. 11 W., in NW 1/4 sec. 2, 25 ft. S. and 20 ft. W. from highway at entrance to farm, 27 ft. N. and 4 ft. W. from triangular-blazed 8-in. oak tree, in concrete post; standard tablet stamped "T T 36 J J 1936"	936.914
T. 39 N., R. 11 W., in NW 1/4 sec. 2, 15 ft. S. of highway, on top of S. end of E. abutment of concrete bridge over Little Mariae Creek; chiseled square	853.50
Top of hill, 110 ft. S. of corner of rail fence, 36 ft. W. of highway, in root on NE. side of 8-in. white-oak tree; copper nail and washer	968.01
Junction of rd. E., 50 ft. N. and 45 ft. E. from, 175 ft. N. of junction of rd. W., in root on S. side of 24-in. black-oak tree; crossed nails	959.50
Junction of rd. SW., 50 ft. W. of, on S. end of E. head wall of concrete culvert; chiseled square	934.94
County Route A (now State Highway 42), S. junction of, 255 ft. SE. of, 60 ft. S. of S. corner of highway maintenance depot, 18 ft. NE. of highway, in root on W. side of 16-in. white-oak tree; copper nail and washer	940.70

IBERIA QUADRANGLE

(Latitude 38°00'-38°15'; longitude 92°15'-92°30')

Camden, Miller, and Pulaski Counties



1. FROM EUGENE QUADRANGLE AT SEC. 6, T. 40 N., R. 12 W., WEST TO POINT ABOUT 1.3 MILES SOUTHEAST OF TUSCUMBIA, THENCE SOUTHEAST ALONG STATE HIGHWAY 17 TO JUNCTION OF COUNTY ROUTE C, THENCE SOUTHWEST ALONG COUNTY ROUTE C TO ULMAN, THENCE WEST BY WAY OF DOG CREEK SCHOOL INTO VERSAILLES NO. 4 QUADRANGLE AT SEC. 7, T. 39 N., R. 14 W. (by L. V. Johnson in 1932)
(Continued from Eugene quadrangle; see line 1.)

St. Elizabeth, 2.8 mi. W. of, along rd. to Capps, about 300 ft. SW. of junction of private rd. SE. to farmhouse of G. A. Hodges, 70 ft. N. of ford across Sullivan Branch, in root on S. side of triangular-blazed 24-in. oak tree; copper nail and washer	564.09
Capps, in W 1/2 sec. 1, T. 40 N., R. 13 W., about 0.2 mi. SE. of store, 650 ft. W. of bridge over Humphrey Creek, 15 ft. S. and 15 ft. W. from rd. corner, in concrete post; standard tablet stamped "T T 150 B 1932"	562.251
Reference mark, 75 ft. E. of tablet, in root on W. side of twin oak tree; copper nail and washer	562.13
Capps, 1.1 mi. W. of, along rd. to Tuscumbia (now County Route E), 18 ft. S. and 70 ft. W. from junction of private rd. NW., in deep saddle of ridge, in root on W. side of 15-in. oak tree; copper nail and washer	760.99
Capps, 2.1 mi. W. of, along rd. to Tuscumbia (now County Route E), 25 ft. SW. of S. end of bridge over Panther Creek, on N. end of concrete anchor for large wire cable; chiseled square	567.64

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

	<u>Feet</u>
T. 40 N., R. 13 W., in NW 1/4 sec. 6, in Coon Creek Valley, 230 ft. S. of farmhouse of Oscar Abbott, 15 ft. W. of rd., in root on NE. side of twin walnut tree; copper nail and washer	589.46
T. 40 N., R. 13 W., in NE 1/4 sec. 12, on St. Elizabeth rd. (now County Route E), 2.2 mi. NE. of junction of State Highway 17, 440 ft. E. of bridge over Dog Creek, 14 ft. N. and 40 ft. W. from rd. corner, in concrete post; standard tablet stamped "T T 153 B 1932"	569.574
Reference mark, 600 ft. W. of tablet, 45 ft. W. of W. end of bridge, on concrete anchor for large wire cable; chiseled square	568.97
T. 40 N., R. 14 W., in SE 1/4 sec. 12, 1.4 mi. E. of State Highway 17, 30 ft. N. and 80 ft. E. from rd. fork E. 13 ft. E. of mail box, in root on W. side of 18-in. elm tree; copper nail and washer	577.68
T. 40 N., R. 14 W., in SE 1/4 SE 1/4 sec. 11, 0.5 mi. E. of State Highway 17, at foot of hill, 30 ft. S. and 10 ft. E. from junction of dim lane S. through gate, at corner fence post, in root on SE. side of 15-in. elm tree; copper nail and washer	616.70
Tuscumbia, 1.3 mi. E. of, 50 ft. S. and 45 ft. E. from State Highway 17 at rd. SE., on S. concrete head wall of culvert; chiseled square	741.54
Tuscumbia, 2.2 mi. SE. of, in top of concrete railing at SE. corner of concrete bridge over Dog Creek; standard tablet stamped "8 J 1932"	609.141
Tuscumbia, 2.9 mi. SE. of, 170 ft. SE. of junction of rd. E., 30 ft. S. of highway, on center of S. concrete head wall of culvert; chiseled square	636.17
Tuscumbia, 4 mi. SE. of, 22 ft. E. of highway, on N. end of E. head wall of large, concrete culvert over creek; chiseled square	675.64
Tuscumbia, 4.8 mi. SE. of, 250 ft. NW. of junction of private rd. NE. to farmhouse, 22 ft. E. of highway, on E. concrete head wall of culvert; chiseled square	820.93
Ulman, 3.5 mi. NE. of, 50 ft. S. and 110 ft. W. from junction of rd. SW. to Ulman (now County Route C), in N. concrete head wall of culvert; standard tablet stamped "9 J 1932"	963.977
Reference mark, 110 ft. N. and 100 ft. W. from junction of rd. SW., on concrete head wall of culvert; chiseled square	956.88
Ulman, 2.4 mi. NE. of, 100 ft. S. and 30 ft. W. from junction of private rd. SE., 100 ft. SW. of mail box, in root on W. side of triangular-blazed 15-in. oak tree; copper nail and washer	932.66
Ulman, 0.6 mi. NE. of, 135 ft. N. and 15 ft. E. from junction of rd. N., in root on SE. side of 12-in. oak tree; copper nail and washer	96Q.73
Ulman, 1 ft. W. of SE. corner of post office, in concrete porch; standard tablet stamped "10 J 1932"	939.154
Reference mark, 60 ft. W. of tablet, on concrete driveway to filling sta.; chiseled square	938.84
Ulman, 1.1 mi. W. of, in E 1/2 sec. 4, T. 39 N., R. 14 W., 12 ft. S. and 55 ft. W. from junction of dim private rd. NW. through gate, 12 ft. S. and 15 ft. W. from rd. at fence S., in root on N. side of 18-in. oak tree; copper nail and washer	876.67
Ulman, 2.1 mi. W. of, in NW 1/4 sec. 4, T. 39 N., R. 14 W., 40 ft. S. of S. entrance to Dog Creek School, in root on W. side of 30-in. oak tree; copper nail and washer	760.56
Ulman, 3 mi. W. of, on rd. to Bagnell, 0.8 mi. W. of Dog Wood School, in W 1/2 sec. 5, T. 39 N., R. 14 W., 15 ft. S. and 20 ft. W. from rd. forks, in concrete post; standard tablet stamped "T T 156 B 1932"	881.153
Reference mark, 35 ft. NE. of tablet, in root on SW. side of large oak tree; copper nail and washer	879.70
T. 39 N., R. 14 W., on line between secs. 5 and 8, about 350 ft. N. of curve in rd., 60 ft. S. and 23 ft. E. from rd. at E.-W. fence, in root on W. side of triple oak tree; copper nail and washer	916.22
T. 39 N., R. 14 W., in SE 1/4 sec. 7, 20 ft. N. and 60 ft. W. from NW. corner of farmhouse of Sam Cooper, 25 ft. W. of rd., in root on SE. side of 10-in. oak tree; copper nail and washer	754.45

2. FROM TAVERN QUADRANGLE AT SEC. 33, T. 39 N., R. 12 W., NORTHWEST TO IBERIA (by L. V. Johnson in 1932)
(Continued from Tavern quadrangle; see line 3.)

Iberia, 2.6 mi. SE. of, in SE 1/4 NE 1/4 sec. 32, T. 39 N., R. 12 W., about 0.2 mi. W. of ford across Tavern Creek, 35 ft. S. and 35 ft. E. from T-rd. S., in concrete post; standard tablet stamped "T T 182 B 1932"	745.785
Reference mark, about 300 ft. W. of T-rd. S., 20 ft. S. of rd., in root on N. side of 36-in. oak tree; copper nail and washer	764.08
Iberia, 1.7 mi. SE. of, in SW 1/4 sec. 29, T. 39 N., R. 12 W., about 750 ft. SE. of dwelling of S. F. Irwin, 10 ft. W. of rd., on S. end of W. concrete head wall of culvert; chiseled square	823.86
Iberia, 0.7 mi. E. of, 15 ft. N. of rd., on W. end of N. concrete railing of bridge over drain; chiseled square	859.05
Iberia, opposite E. entrance to campus of Iberia Junior College, 30 ft. S. and 10 ft. E. from crossroads, 3 ft. S. of N. corner of front yard of dwelling of Mrs. G. A. Mace, in concrete post; standard tablet stamped "T T 175 B 1932"	931.632
Reference mark, 80 ft. W. of tablet, on stone wall; chiseled square	934.26

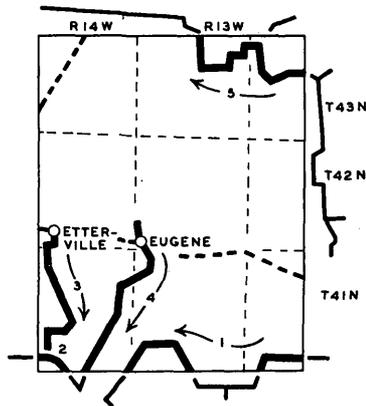
	<u>Feet</u>
3. FROM EUGENE QUADRANGLE SOUTHEAST ALONG STATE HIGHWAY 52 TO TUSCUMBIA (by L. V. Johnson in 1932) (Continued from Eugene quadrangle; see line 2.)	
Tuscumbia, 0.9 mi. NW. of, 45 ft. S. and 25 ft. E. from junction of rd. NE., on S. concrete head wall of culvert; chiseled square	776.95
Tuscumbia, at SW. corner of high school grounds, 25 ft. N. and 23 ft. E. from crossroad, in root on SE. side of 12-in. maple tree; copper nail and washer	742.04
Tuscumbia, 1.3 mi. E. of, at junction of rd. E. to St. Elizabeth, 80 ft. S., thence 170 ft. E. from center line of highway 17, in concrete post; standard tablet stamped "T T 154 B 1932"	744.612
4. FROM VERSAILLES NO. 4 QUADRANGLE AT SEC. 19, T. 39 N., R. 14 W., SOUTH BY WAY OF BRUMLEY INTO RICHLAND QUADRANGLE AT SEC. 29, T. 38 N., R. 14 W. (by C. E. Reick in 1932) (Continued from Versailles No. 4 quadrangle; see line 2.)	
T. 39 N., R. 14 W., in SW 1/4 sec. 20, NE. of rd. fork S., in root of 12-in. oak tree; copper nail	883.48
Brumley, 120 ft. S. of general merchandise store of E. C. Thompson & Son, 27 ft. W. of rd. to Toronto, in concrete post; standard tablet stamped "T T 162 B 1932"	750.304
Reference mark, 500 ft. NW. of tablet, in front of hotel, on ledge; chiseled square	772.62
Brumley, 1.1 mi. S. of, in SW 1/4 sec. 32, T. 39 N., R. 14 W., E. of rd., on ledge; chiseled square	878.05
T. 38 N., R. 14 W., in NW 1/4 sec. 5, 10 ft. SW. of T-rd. W., on head wall of culvert; chiseled square	896.99
Brumley, 3.1 mi. S. of, on rd. to Toronto, on line between secs. 5 and 8, T. 38 N., R. 14 W., 300 ft. N. of ford across Brumley Creek, 35 ft. S. and 25 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 163 B 1932"	731.579
Reference mark, 400 ft. S. of tablet, in root of 30-in. oak tree; copper nail	729.20
T. 38 N., R. 14 W., on line between secs. 8 and 17, 50 ft. NE. of rd. fork E., in root of 12-in. oak tree; copper nail	890.74
Brumley, 6.2 mi. S. of, on rd. to Toronto, about 0.4 mi. SW. of ford across Deane Creek, 80 ft. N. of private lane W., 20 ft. E. of rd., 6 ft. SE. of fence corner, in concrete post; standard tablet stamped "T T 164 B 1932"	751.851
Reference mark, S. of tablet, in root of 18-in. oak tree; copper nail	749.91
T. 38 N., R. 14 W., in SW 1/4 sec. 20, 80 ft. NE. of T-rd. W., in root of 20-in. walnut tree; copper nail and washer	758.14
5. FROM BRUMLEY EAST TO IBERIA, THENCE SOUTH ALONG STATE HIGHWAY 17 INTO RICHLAND QUADRANGLE (by C. E. Reick in 1932)	
Brumley, 1 mi. E. of, in SW 1/4 sec. 28, T. 39 N., R. 14 W., N. of rd., in root of 24-in. oak tree; copper nail	861.83
T. 39 N., R. 14 W., in SW 1/4 SW 1/4 sec. 22, 50 ft. NE. of rd. fork N., in root of 20-in. oak tree; copper nail	977.58
T. 39 N., R. 14 W., in NE 1/4 NE 1/4 sec. 27, 100 ft. NE. of rd. forks, 30 ft. N. of rd., in concrete post; standard tablet stamped "T T 172 B 1932"	978.327
Reference mark, 490 ft. SE. of tablet, in root of 20-in. oak tree; copper nail	984.29
T. 39 N., R. 14 W., in NW 1/4 SE 1/4 sec. 26, 200 ft. SE. of Honey Spring School, in triangle of rd. fork SW., in 24-in. oak tree; copper nail	987.47
T. 39 N., R. 14 W., 400 ft. SW. of cor. secs. 23, 24, 25, and 26, 60 ft. NW. of rd. forks, in root of 15-in. oak tree; copper nail	987.38
T. 39 N., R. 14 W., in NE 1/4 NE 1/4 sec. 25, 15 ft. N. of rd., in root of 15-in. oak tree; copper nail	840.65
T. 39 N., R. 13 W., in NE 1/4 NE 1/4 sec. 30, on W. bank of Barren Fork Creek, S. of rd., in root of 20-in. oak tree; copper nail	755.58
Iberia, 5 mi. W. of, along rd. to Brumley, in SW 1/4 sec. 29, T. 39 N., R. 13 W., 0.3 mi. NW. of Spearman School, 70 ft. SE. of dwelling of E. Barton, 55 ft. N. of rd., in concrete post; standard tablet stamped "T T 173 B 1932"	828.556
Reference mark, 390 ft. E. of tablet, in root of 20-in. oak tree; copper nail	832.41
Iberia, about 4 mi. W. of, on line between secs. 28 and 33, T. 39 N., R. 13 W., S. of rd., in root of 30-in. oak tree; copper nail	959.54
Iberia, about 3 mi. W. of, in SE 1/4 SW 1/4 sec. 27, T. 39 N., R. 13 W., 10 ft. N. of rd., in root of 24-in. oak tree; copper nail	943.85
Iberia, 2.5 mi. W. of, along rd. to Brumley, in SE 1/4 SE 1/4 sec. 27, T. 39 N., R. 13 W., 35 ft. N. and 10 ft. E. from NE. corner of dwelling of Willard Duncan, 85 ft. S. of rd., in concrete post; standard tablet stamped "T T 174 B 1932"	939.629
Reference mark, 340 ft. E. of tablet, in root of 10-in. oak tree; copper nail	939.53
Iberia, about 1.5 mi. W. of, in NE 1/4 sec. 26, T. 39 N., R. 13 W., SE. of crossroads, in top of corner fence post; copper nail	946.06
Iberia, 1 mi. S. of, E. of highway, in root of 24-in. oak tree; copper nail	1,015.08
T. 39 N., R. 13 W., in SE 1/4 sec. 36, 50 ft. SE. of crossroad, in root of 24-in. oak tree; copper nail	1,033.40
T. 38 N., R. 12 W., in NW 1/4 sec. 6, 0.3 mi. E. of highway, in root of 30-in. oak tree; copper nail	816.46

T. 38 N., R. 12 W., in NE 1/4 NW 1/4 sec. 7, about 500 ft. S. of bridge over Tavern Creek, 40 ft. N. and 30 ft. W. from farmhouse of D. R. Tetricin, in concrete post; standard tablet stamped "T T 176 B 1932"	Feet 786.605
Reference mark, 0.2 mi. S. of tablet, on SE. abutment of bridge; chiseled square	781.43
T. 38 N., R. 12 W., in NW 1/4 SE 1/4 sec. 18, 130 ft. S. of junction of rd. E., on W. head wall of culvert; chiseled square	858.75
T. 38 N., R. 12 W., on line between secs. 17 and 20, 5 mi. N. of Crocker, 5 ft. N. and 35 ft. E. from highway at Miller-Pulaski county line, in concrete post; standard tablet stamped "T T 177 B 1932"	997.350
T. 38 N., R. 12 W., in SE 1/4 sec. 20, 70 ft. NW. of junction of rd. N., 10 ft. E. of church, in root of 20-in. oak tree; copper nail	1,049.79
6. FROM IBERIA NORTHWEST ALONG STATE HIGHWAY 17 TO SEC. 5, T. 39 N., R. 13 W., THENCE NORTHEAST ALONG ROADS TO CAPP'S (by C. E. Reick in 1932)	
Iberia, 1 mi. NW. of, on top of hill, E. of highway, in root of 30-in. locust tree; spike	934.25
Iberia, 2 mi. NW. of, W. of highway, in base of gatepost; spike	902.09
Iberia, 3.2 mi. NW. of, 240 ft. W. of farmhouse of James A. Farster, 100 ft. E. of highway, 2 ft. S. of fence, in concrete post; standard tablet stamped "T T 178 B 1932"	864.969
Reference mark, 0.2 mi. N. of tablet, on E. wall of culvert; chiseled square	854.48
T. 39 N., R. 13 W., on line between secs. 3 and 10, on SE. abutment of bridge over Barren Fork Creek; chiseled square	691.60
T. 39 N., R. 13 W., in SW 1/4 sec. 4, NE. of crossroad, E. of highway, on concrete culvert; chiseled square	864.42
T. 39 N., R. 13 W., about 0.2 mi. S. of N. cor. secs. 4 and 5, about 0.2 mi. NW. of bridge over Brushy Fork Creek, 145 ft. N. and 28 ft. E. from junction of rd. N., in corner of barnyard, in sandstone boulder; standard tablet stamped "T T 179 B 1932"	729.669
Reference mark, 0.3 mi. S. of tablet, on NE. abutment of bridge over Brushy Fork Creek; chiseled square	686.76
T. 40 N., R. 13 W., in SW 1/4 sec. 34, S. of rd. at lane S., in root of 18-in. oak tree; copper nail	794.90
T. 40 N., R. 13 W., in W 1/2 sec. 26, 30 ft. N. and 55 ft. E. from crossing of Capps-Iberia and Tusumbia-Vienna rds., in concrete post; standard tablet stamped "T T 180 B 1932"	909.670
Reference mark, 240 ft. N. of tablet, on small boulder; chiseled square	900.52
T. 40 N., R. 13 W., on line between secs. 22 and 23, 20 ft. N. of rd. forks, in root of 18-in. oak tree; copper nail	704.87
T. 40 N., R. 13 W., in SW 1/4 NW 1/4 sec. 13, 118 ft. W. of rd. forks, 30 ft. S. and 15 ft. E. from SE. corner of farmhouse of Ed. Wickham, in concrete post; standard tablet stamped "T T 181 B 1932"	621.946
T. 40 N., R. 13 W., in SW 1/4 SW 1/4 sec. 12, W. of rd., on head wall of culvert; chiseled square	606.24
T. 40 N., R. 13 W., near cor. secs. 1, 2, 11, and 12, 30 ft. SW. of rd. fork, in root of 30-in. elm tree; copper nail	565.81
7. FROM RICHLAND QUADRANGLE AT SEC. 30, T. 38 N., R. 13 W., NORTH TO HAWKEYE, THENCE EAST AND SOUTH INTO RICHLAND QUADRANGLE AT SEC. 29, T. 38 N., R. 13 W. (by C. E. Reick in 1932)	
Hawkeye, 125 ft. S. of post office, 20 ft. N. and 25 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T 168 B 1932"	1,107.888
Reference mark, 270 ft. SE. of tablet, in root of 20-in. walnut tree; copper nail	1,110.92
8. FROM EUGENE QUADRANGLE SOUTHWEST ALONG STATE HIGHWAY 17 TO TUSCUMBIA (single-run unchecked spur line by J. H. Vinyard in 1934)*	
(Continued from Eugene quadrangle; see line 4.)	
Tusumbia, 1.2 mi. N. of, at junction of rd. W., on W. head wall of culvert; chiseled square	573.61
Tusumbia, 0.5 mi. N. of, 200 ft. S. of junction of State Highway 52, on E. head wall of culvert; chiseled square	578.06
Tusumbia, on bottom step of entrance to Havenstems general store; chiseled square	573.97

*Elevations on this line are preliminary only and should be used with caution.

EUGENE QUADRANGLE
(Latitude 38°15'-38°30'; longitude 92°15'-92°30')

Cole, Miller, and Moniteau Counties



1. FROM META QUADRANGLE AT SEC. 34, T. 41 N., R. 12 W., WEST INTO IBERIA QUADRANGLE AT SEC. 6, T. 40 N., R. 13 W. (by L. V. Johnson in 1932)
(Continued from Tavern quadrangle; see line 2.)

	<u>Feet</u>
St. Elizabeth, 0.7 mi. E. of, in S 1/2 sec. 33, T. 41 N., R. 12 W., about 350 ft. SW. of large farmhouse, 28 ft. S. of junction of private rd. SE., in root on N. side of 10-in. oak tree; copper nail and washer	762.87
St. Elizabeth, at SE. corner of yard of Catholic Church, 50 ft. N. and 30 ft. W. from street intersection, in concrete post; standard tablet stamped "T T 141 B 1932"	812.252
Reference mark, 50 ft. E. of tablet, on E. concrete head wall of culvert; chiseled square	810.88
St. Elizabeth, 0.7 mi. W. of, along rd. to Capps, about 450 ft. E. of ford across creek, 45 ft. S. and 18 ft. W. from junction of rd. S., in root on E. side of 30-in. locust tree; copper nail and washer	658.41
St. Elizabeth, 1.7 mi. W. of, along rd. to Capps, 17 ft. N. and 5 ft. W. from junction of private rd. NW., in root on S. side of 12-in. oak tree; copper nail and washer	761.96

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

Capps, about 3 mi. W. of, along rd. to Tuscumbia, 25 ft. N. and 30 ft. W. from junction of private lane, in concrete post; standard tablet stamped "T T 151 B 1932"	560.26
Capps, 3.6 mi. W. of, along rd. to Tuscumbia, about 200 ft. N. of dwelling of Joseph Hulman, 15 ft. NE. of junction of private rd. SW., in root on SW. side of 12-in. elm tree; copper nail and washer	589.11
Capps, 4.5 mi. W. of, along rd. to Tuscumbia, 300 ft. E. of junction of private rd. S. to dwelling of B. J. Leutkemeyer, 8 ft. N. of rd., on center of N. concrete head wall of culvert; chiseled square	567.21
Capps, 5.4 mi. W. of, along rd. to Tuscumbia, about 400 ft. NW. of dwelling of B. M. Tyler, 25 ft. SE. of SE. corner of barn, 30 ft. N. of rd., in root on S. side of 18-in. oak tree; copper nail and washer	639.62
Tuscumbia, about 6.8 mi. E. of, along rd. to Capps, 110 ft. SE. of farmhouse of G. W. Edwards, 25 ft. E. of rd., in concrete post; standard tablet stamped "T T 152 B 1932"	639.171
Reference mark, 2 ft. N. of post at SE. corner of yard, on concrete coping; chiseled square	641.42
Tuscumbia, 5.7 mi. E. of, along rd. to Capps, 60 ft. E. of junction of rd. SE., 35 ft. E. of mail boxes, in root on N. side of triangular-blazed 18-in. hickory tree; copper nail and washer	792.85

(Continued in Iberia quadrangle; see line 1.)

2. FROM ELDON QUADRANGLE SOUTHEAST ALONG STATE HIGHWAY 52 INTO IBERIA QUADRANGLE (by L. V. Johnson in 1932)
(Continued from Eldon quadrangle; see line 2.)

Tuscumbia, 3.8 mi. NW. of, 1 mi. E. of Halls store, about 300 ft. SE. of dwelling of J. A. Harbison, 28 ft. S. of highway, in root on N. side of twin walnut tree; copper nail and washer	841.39
Tuscumbia, 2.5 mi. NW. of, 30 ft. S. of junction of private rd. SW. to farmhouse, 10 ft. SW. of mail box, on E. end of iron pipe-culvert; chiseled cross	837.99
Tuscumbia, 1.8 mi. NW. of, 18 ft. N. and 18 ft. W. from junction of rd. NW., 30 ft. W. of mail box of L. E. Admire, in concrete head wall of culvert; standard tablet stamped "28 J 1932"	847.655

(Continued in Iberia quadrangle; see line 3.)

3. FROM SEC. 29, T. 42 N., R. 14 W., EAST TO ETTERVILLE, THENCE SOUTH TO SEC. 33, T. 41 N., R. 14 W. (by J. H. Vinyard in 1934)

	<u>Feet</u>
Etterville, 1.5 mi. W. of, along U.S. Highway 54, opposite twin culverts under Chicago, Rock Island & Pacific Ry., on S. head wall of culvert; chiseled square	804.44
Etterville, 104 ft. W. of concrete walk to Christian Church, 149 ft. N. of NW. corner of Chicago, Rock Island & Pacific Ry. Sta., 26 ft. N. of old State Highway 54, 3 ft. S. of fence, in concrete post; standard tablet stamped "T T 1154 W 1934"	880.228
Reference mark, 100 ft. E. of tablet, at entrance to church, on walk; chiseled square	879.60
Etterville, 1 mi. SW. of, in SW 1/4 sec. 28, T. 42 N., R. 14 W., at rd. fork, in 36-in. oak tree; copper nail and washer	917.46
Etterville, 1.5 mi. SW. of, E. sixteenth cor. between secs. 29 and 32, T. 42 N., R. 14 W., 300 ft. S. of T-rd. S., S. of rd., in root of 30-in. white-oak tree; copper nail and washer	890.78
Etterville, 2.1 mi. SW. of, in sec. 32, T. 42 N., R. 14 W., near two log cabins, at T-rd. W., in root of 8-in. oak tree; copper nail and washer	905.79
Etterville, 2 mi. S. and 0.5 mi. W. from, N. sixteenth cor. between secs. 4 and 5, T. 41 N., R. 14 W., 45 ft. N. of rd. fork NE., 11 ft. N. of blazed 16-in. white-oak tree, in concrete post; standard tablet stamped "T T 1155 W 1934"	851.096
Reference mark, 10 ft. W. of tablet, in root of 24-in. oak tree; copper nail and washer	849.78
Etterville, 3.7 mi. S. of, in SW 1/4 sec. 4, T. 41 N., R. 14 W., in front of farmhouse at T-rd. E., in root of 15-in. locust tree; copper nail and washer	841.96
Etterville, 4.8 mi. S. of, in SW 1/4 sec. 9, T. 41 N., R. 14 W., 50 ft. W. of rd. corner, in wood pasture, in root of 10-in. hickory tree; copper nail and washer	823.39
Etterville, 5.5 mi. S. of, in NW 1/4 sec. 16, T. 41 N., R. 14 W., at entrance to church, in root of 15-in. white-oak tree; copper nail and washer	769.02
T. 41 N., R. 14 W., W. sixteenth cor. sec. 16, 30 ft. E. of rd. corner W.-S., 980 ft. N. of ford across Saline Creek, 400 ft. SE. of rd. forks, 12 ft. SE. of blazed elm tree, in concrete post; standard tablet stamped "T T 1156 W 1934"	605.541
Reference mark, 300 ft. W. of tablet, 20 ft. N. of rd., in root of 24-in. oak tree; copper nail and washer	606.68
T. 41 N., R. 14 W., near center sec. 21, about 0.4 mi. S. of spring at farmhouse, at top of steep hill on abandoned rd., in root of twin 36-in. black-oak tree; copper nail and washer	795.02
T. 41 N., R. 14 W., near cor. secs. 21, 22, 27, and 28, 0.7 mi. N. of farmhouse of William Kallenbach and Little Saline Creek rd., on top of ridge at intersection of fences, in root of 20-in. black-oak tree; copper nail and washer	855.39
T. 41 N., R. 14 W., in SW 1/4 sec. 27, at farmhouse of William Kallenbach, in root of 48-in. elm tree; copper nail and washer	626.62
T. 41 N., R. 14 W., on line between secs. 28 and 29, 31 ft. N. of rd. forks, 6 ft. N. of blazed 36-in. elm tree, in concrete post; standard tablet stamped "T T 1157 W 1934"	649.493
Reference mark, 6 ft. S. of tablet, in root of 36-in. elm tree; copper nail and washer	649.78
T. 41 N., R. 14 W., in SW 1/4 sec. 26, on top of ridge at private rd. W., E. of rd., in root of 24-in. black-oak tree; copper nail and washer	827.86
T. 41 N., R. 14 W., near center sec. 33, opposite T-rd. S., in root of 12-in. oak tree; copper nail and washer	657.66

4. FROM U.S. HIGHWAY 54 SOUTH ALONG STATE HIGHWAY 17 INTO IBERIA QUADRANGLE (single-run unchecked spur line by J. H. Vinyard in 1934) *

Eugene, 1.5 mi. N. of, E. of junction of U.S. Highway 54 and State Highway 17, near entrance to filling sta., on N. head wall of culvert; chiseled square	975.42
Eugene, 0.7 mi. N. of, 0.6 mi. S. of junction of U.S. Highway 54, 100 ft. N. of crossroad, on E. head wall of culvert; chiseled square	859.30
Eugene, at N. limits of, N. of rd. junction, on E. head wall of culvert; chiseled square	864.85
Eugene, 0.5 mi. S. of, 50 ft. S. of entrance to cemetery, at crossroad, in root of 21-in. black-oak tree; copper nail and washer	883.65
Eugene, 1.5 mi. SE. of, 38 ft. W. of highway at Cole-Miller county line sign, 100 ft. W. of entrance to farm of A. J. Schwaller, 2 ft. E. of right-of-way fence, in concrete post; standard tablet stamped "T T 1163 W 1934"	873.727
Reference mark, opposite tablet, on top of right-of-way post; chiseled square	873.42
Eugene, 2 mi. S. of, NE. of junction of rd. E., in corner fence post; crossed nails	862.10
Eugene, about 3 mi. S. of, at junction of rd. N., W. of rd., in fence line, in root of 18-in. oak tree; copper nail and washer	865.13
Eugene, about 4 mi. S. of, opposite rd. E., W. of highway, on top of right-of-way post; chiseled square	765.83
Eugene, 5.5 mi. SE. of, 12 ft. E. of NW. corner of farmyard of P. P. Buster, 43 ft. E. of highway, 67 ft. NW. of NW. corner of concrete porch, in concrete post; standard tablet stamped "T T 1164 W 1934"	782.565
Tuscumbia, about 4.5 mi. N. of, at junction of rd. W., on W. head wall of culvert; chiseled square	565.11

*Elevations on this line are preliminary only and should be used with caution.

	<u>Feet</u>
Tuscumbia, 4 mi. N. of, on S. end of W. curb of bridge over Saline Creek; chiseled square	581.28
Tuscumbia, 3 mi. N. of, at private entrance to field, on E. head wall of culvert; chiseled square	565.57
Tuscumbia, 1.9 mi. NE. of, about 0.2 mi. SE. of farmhouse, in upstream head wall of concrete culvert; standard tablet stamped "T T 1165 W 1934"	576.578

(Continued in Iberia quadrangle; see line 8.)

5. FROM META QUADRANGLE AT SEC. 16, T. 43 N., R. 12 W., WEST INTO CENTERTOWN QUADRANGLE AT SEC. 4, T. 43 N., R. 13 W. (by O. F. Hodgdon in 1934)

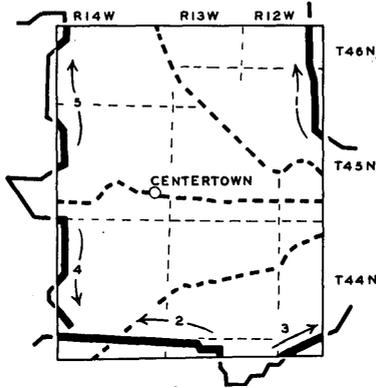
(Continued from Meta quadrangle; see line 5.)

T. 43 N., R. 12 W., near center sec. 16, 1.1 mi. NW. of junction of Honey Creek and Tanner rds., on top of W. retaining wall of bridge over Honey Creek; chiseled square	617.14
Honey Creek Bridge, 1.1 mi. W. of, along Honey Creek rd., near center sec. 12, T. 43 N., R. 12 W., at entrance to dwelling of Paul Hager, in root on S. side of twin 38-in. white-oak tree; copper nail and washer	780.48
Jefferson City, 9.9 mi. SW. of, along U.S. Highway 54, 3 mi. NE. of Brazito, 37 ft. S. and 32 ft. E. from junction of rd. E., 32 ft. E. of gate, inside fence, in concrete post; standard tablet stamped "T T 12 L 1931"	793.537
Reference mark, 127 ft. N. and 45 ft. (?) from tablet, in root on W. side of 26-in. red-oak tree; copper nail and washer	798.51
Pleasant Valley School, 0.2 mi. N. of, along U.S. Highway 54, 23 ft. W. of highway, on SE. corner of head wall of iron pipe culvert; chiseled square	774.54
Junction of U.S. Highway 54 and Bratschi rd., 0.6 mi. NW. of, along Bratschi rd., 10 ft. N. of rd., in root on SE. side of 14-in. white-oak tree; nail	746.02
Junction of U.S. Highway 54 and Bratschi rd., 1.4 mi. NW. of, along Bratschi rd., in SW 1/4 sec. 6, T. 43 N., R. 12 W., in root on NW. side of 28-in. post-oak tree; copper nail and washer	697.31
T. 43 N., R. 13 W., in NE 1/4 sec. 12, 18 ft. W. of rd., in root on E. side of 15-in. white-oak tree; copper nail and washer	702.31
T. 43 N., R. 13 W., quarter cor. between secs. 11 and 12, on Pleasant Hill rd., 80 ft. W. of rd. junction, on top of E. head wall of 12-in. iron pipe culvert; chiseled square	737.25
T. 45 N., R. 13 W., near center sec. 14, 30 ft. N. and 50 ft. E. from T-rd. (second one E. of Pleasant Hill Baptist Church), in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "45 C W A 1934"	792.832
Reference mark, 30 ft. N. and 39 ft. W. from tablet, in N.-S. fence line, in root on S. side of post-oak tree; copper nail and washer	791.89
Pleasant Hill Baptist Church, 0.7 mi. NW. of, along Brazito-Lohman rd., 25 ft. NE. of rd., in root on S. side of 22-in. red-oak tree; copper nail and washer	737.00
T. 43 N., R. 13 W., in NE 1/4 sec. 10, on retaining wall at SW. corner of Taylor Bridge over South Moreau River; chiseled square	627.45

(Continued in Centertown quadrangle; see line 2.)

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

CENTERTOWN QUADRANGLE
 (Latitude 38°30'-38°45'; longitude 92°15'-92°30')
 Boone, Cole, and Moniteau Counties



1. FROM NEW BLOOMFIELD QUADRANGLE NORTH ALONG U.S. HIGHWAY 63 INTO LUPUS QUADRANGLE (by L. V. Johnson in 1930; rerun by W. V. Kennedy in 1937)
 (Continued from New Bloomfield quadrangle; see line 2.)

	<u>Feet</u>
Junction of rd. E., 20 ft. N. and 40 ft. E. from, in base of corner fence post; spike	831.28
Claysville, 2.5 mi. N. of, 5.7 mi. S. of Ashland, 35 ft. N. and 90 ft. W. from junction of rd. W., in concrete post; standard tablet stamped "T T 3 C 1930"	849.836
Reference mark, 6 ft. NW. of tablet, in root on E. side of 6-in. maple tree; copper nail and washer	850.21
Claysville, 3.5 mi. N. of, 4.7 mi. S. of Ashland, 10 ft. S. of junction of private rd. W., 400 ft. N. of farmhouse, 40 ft. S. and 25 ft. W. from highway at fence W., on S. concrete head wall of culvert; chiseled square	802.73
Ashland, 3.9 mi. S. of, 10 ft. N. and 22 ft. W. from center of crossroad, on N. concrete head wall of culvert; chiseled square	878.42
Oldham, 35 ft. N. and 45 ft. W. from crossroad, 153 ft. E. of store, in concrete post; standard tablet stamped "T T 4 C 1930"	884.594
Reference mark, 12 ft. S. and 20 ft. W. from crossroad, on concrete head wall of culvert; chiseled square	882.62
Oldham, 0.5 mi. N. of, at Christian School, 50 ft. S. and 20 ft. W. from junction of rd. W., on concrete head wall of culvert; chiseled square	867.71

(Continued in Lupus quadrangle; see line 1.)

2. FROM EUGENE QUADRANGLE AT SEC. 4, T. 43 N., R. 13 W., NORTH TO COUNTY ROUTE C, THENCE WEST ALONG COUNTY ROUTE C TO COLE-MONITEAU COUNTY LINE, THENCE WEST ALONG ROADS INTO CALIFORNIA QUADRANGLE AT SEC. 6, T. 43 N., R. 14 W. (by O. F. Hodgdon in 1934)
 (Continued from Eugene quadrangle; see line 5.)

T. 43 N., R. 13 W., in SE 1/4 sec. 4, 24 ft. N. and 32 ft. W. from junction of Lohman and Millbrook rds., on N. end of retaining wall; chiseled square	626.48
T. 43 N., R. 13 W., in S 1/2 sec. 4, about 0.2 mi. NE. of Millbrook, 195 ft. N. of dwelling of A. A. Doehla, 17 ft. E. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	705.256
Reference mark, 13 ft. S. and 13 ft. E. from tablet, in root on SE. side of 32-in. post-oak tree; copper nail and washer	704.78
Russellville, 4.2 mi. E. of, near center sec. 33, T. 44 N., R. 13 W., 585 ft. S. of junction of Millbrook rd., W. of rd., on S. wing wall of culvert; chiseled square	765.87
Russellville, 4 mi. E. of, 410 ft. W. of Lohman rd., 255 ft. W. of filling sta., N. of highway, in root on S. side of 18-in. white-oak tree; copper nail and washer	814.22
T. 44 N., R. 13 W., in S 1/2 sec. 32, about 1.1 mi. W. of junction of County Route D, on property of Annie Weber, S. of highway, in concrete post; U.S.C. & G.S. and State Survey standard tablet	877.378
Reference mark, 80 ft. W. of tablet, 25 ft. S. of rd., in 36-in. stump. flush with ground; nail and washer	876.54
Russellville, 3.5 mi. E. of, 75 ft. S. of rd. junction, 2 ft. from boundary fence of property of Henry Scott, in concrete post; U.S.C. & G.S. and State Survey standard tablet	884.447

	<u>Feet</u>
Russellville, 2.1 mi. E. of, 275 ft. W. of dwelling of Oscar Heminger, 60 ft. N. of highway, in root on S. side of 30-in. white-oak tree; nail and washer	889.38
Russellville, 1.3 mi. E. of, 105 ft. N. of highway, in SE. corner of chicken yard, in W. side of 12-in. catalpa tree; nail and washer	877.95
Russellville, 0.8 mi. E. of, 155 ft. E. of barn, 85 ft. W. of dwelling, 65 ft. N. of highway, in root on S. side of 30-in. elm tree; nail and washer	838.12
Russellville, 200 ft. E. of junction of main street, 625 ft. E. of Evangelical Lutheran Church, 3 ft. from side of highway, in concrete post; U.S.C. & G.S. and State Survey standard tablet	895.207
Russellville, 0.4 mi. W. of, 25 ft. N. of highway, on property of S. D. Damp, in concrete post; U.S.C. & G.S. and State Survey standard tablet	866.962
Reference mark, 85 ft. SW. of tablet, in N. side of 12-in. walnut tree; nail and washer	864.18
Russellville, 0.8 mi. W. of, 205 ft. W. of Missouri Pacific R.R. crossing, N. of highway, in root on S. side of 12-in. black-oak tree; nail and washer	881.83
Russellville, 2.5 mi. W. of, in NE 1/4 sec. 5, T. 43 N., R. 14 W., 42 ft. N. of Russellville rd., 27 ft. S. and 24 ft. E. from gate to cemetery, in root of 36-in. locust tree; nails	873.70
Russellville, 3 mi. W. of, in SW 1/4 sec. 5, T. 43 N., R. 14 W., 27 ft. S. of rd., 27 ft. S. and 24 ft. E. from old concrete culvert, in root of 24-in. sycamore tree; nails	824.44

(Continued in California quadrangle; see line 8.)

3. FROM EUGENE QUADRANGLE NORTHEAST ALONG U.S. HIGHWAY 54 INTO NEW BLOOMFIELD QUADRANGLE (by O. F. Hodgdon in 1934)

Knernschield filling sta., 0.7 mi. NE. of, on concrete abutment of SE. corner of bridge J-16; chiseled square	604.50
---	--------

(Continued in New Bloomfield quadrangle; see line 5.)

4. FROM CALIFORNIA QUADRANGLE AT SEC. 31, T. 45 N., R. 14 W., SOUTH TO SEC. 5, T. 43 N., R. 14 W. (by O. F. Hodgdon in 1934)
(Continued from California quadrangle; see line 7.)

California, 5 mi. SE. of, along U.S. Highway 50, 40 ft. S. and 25 ft. E. from junction of rd. S., 52 ft. S. of highway, 17 ft. SE. of head wall of culvert, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "33 C W A 1934"	869.528
Reference mark, 10 ft. N. and 10 ft. W. from tablet, on top of E. concrete head wall of iron pipe culvert; chiseled square	868.38
T. 44 N., R. 14 W., near quarter cor. between secs. 5 and 6, 20 ft. E. of rd., in root on W. side of 18-in. maple tree; copper nail and washer	851.12
Winckey Branch, 480 ft. S. of, on NW. corner of W. partition wall of concrete culvert; chiseled square	725.59
T. 44 N., R. 14 W., in SE 1/4 sec. 7, 75 ft. S. and 20 ft. W. from junction of California-Russellville and Seibert Lane rds., in root on S. side of 15-in. post-oak tree; copper nail and washer	820.70
T. 44 N., R. 14 W., in NE 1/4 sec. 18, 0.3 mi. S. of junction of California-Russellville and Lammert ford rds., 15 ft. W. of rd., in root on N. side of 26-in. post-oak tree; copper nail and washer	804.68
T. 44 N., R. 14 W., in NE 1/4 sec. 19, 15 ft. E. of Lambert ford rd., 500 ft. S. of large barn, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "32 C W A 1934"	777.454
Reference mark, 50 ft. N. and 25 ft. W. from tablet, in 15-in. post-oak tree; copper nail and washer	769.39

(For balance in California quadrangle, see line 7.)

T. 44 N., R. 14 W., in NE 1/4 sec. 30, on S. bank of Moreau River, 100 ft. S. and 25 ft. W. from Lammert ford, in root on S. side of 40-in. burr-oak tree; copper nail and washer	673.90
T. 44 N., R. 14 W., in NE 1/4 sec. 30, 0.7 mi. SE. of Lammert ford, 30 ft. S. of SE. corner of farmhouse of S. V. Amos, 25 ft. N. of rd., in root on S. side of 16-in. post-oak tree; copper nail and washer	809.18
T. 44 N., R. 14 W., in SW 1/4 sec. 29, 1.1 mi. SE. of Lammert ford, in front yard of Robert Geiger, 25 ft. N. of rd., in root on S. side of 27-in. English-walnut tree; copper nail and washer	727.86
T. 44 N., R. 14 W., in NW 1/4 sec. 32, 1.9 mi. SE. of Lammert ford, 30 ft. NW. of T-rd., in root on E. side of 22-in. post-oak tree; nails	814.02
Van Pool Branch, 1 mi. SE. of, along Lammert ford rd., in sec. 32, T. 44 N., R. 14 W., in root on SE. side of 22-in. blackjack-oak tree; copper nail and washer	857.04

5. FROM CALIFORNIA QUADRANGLE AT SEC. 19, T. 45 N., R. 14 W., NORTH INTO LUPUS QUADRANGLE AT SEC. 18, T. 46 N., R. 14 W. (by A. L. Detweiler in 1934)
(Continued from California quadrangle; see line 5.)

T. 45 N., R. 14 W., near center sec. 19, on old Marion rd., at rd. junction, near SW. corner of cemetery, in 12-in. stump of cedar tree; lead-headed nail	852.72
---	--------

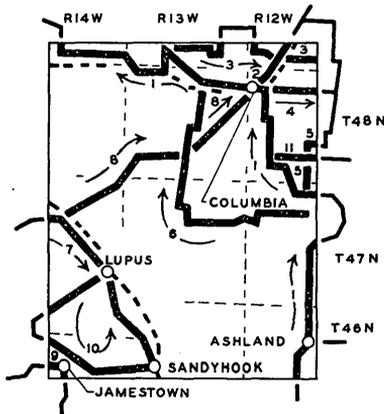
California, 1 mi. N. and 3.5 mi. E. from, in E 1/2 sec. 19, T. 45 N., R. 14 W., at junction of old Marion rd. and rd. E., in sandstone ledge; standard tablet stamped "T T 31 C W A 1934"	Feet 824.978
T. 45 N., R. 14 W., in sec. 18, 40 ft. W. of Little Moniteau Creek, in root on E. side of 36-in. elm tree; lead-headed nail	626.15
T. 45 N., R. 14 W., in center of sec. 7, 25 ft. NW. of Eldorado School, on SW. corner of flagpole base; chiseled square	658.90
T. 45 N., R. 14 W., in SE 1/4 sec. 6, 40 ft. E. of rd. forks, 6 ft. E. of 12-in. white-oak tree, in concrete post; standard tablet stamped "24 C W A 1934" (For balance in California quadrangle, see line 5.)	775.669
T. 46 N., R. 14 W., near line between secs. 19 and 30, at State Highway 87 bridge over Moniteau River, in NW. concrete wing wall; standard tablet	586.644
T. 46 N., R. 14 W., in E 1/2 sec. 19, 0.5 mi. N. of Moniteau River, E. of State Highway 87, on SW. corner of well top; chiseled cross	671.32
T. 46 N., R. 14 W., near line between secs. 17 and 18, on State Highway 87, about 60 ft. NW. of 30-in. white-oak tree, on E. end of small culvert; chiseled square	822.88

(Continued in Lupus quadrangle; see line 9.)

For additional level lines along south bank of Missouri River and Missouri Pacific R.R., refer to United States Coast and Geodetic Survey first-order lines, Jefferson City to Kansas City and Jefferson City to Pleasant Hill; and second-order line, Mexico to Eldon.

LUPUS QUADRANGLE
(Latitude 38°45' - 39°00'; longitude 92°15' - 92°30')

Boone and Moniteau Counties



1. FROM CENTERTOWN QUADRANGLE NORTH ALONG U.S. HIGHWAY 63 TO COLUMBIA, THENCE WEST ALONG U.S. HIGHWAY 40 TO SEXTON ROAD, THENCE NORTH AND WEST ALONG SEXTON ROAD TO SEC. 5, T. 48 N., R. 13 W., THENCE WEST ALONG U.S. HIGHWAY 40 TO SEC. 4, T. 48 N., R. 14 W., THENCE NORTH ALONG ROADS INTO STURGEON QUADRANGLE AT SEC. 34, T. 49 N., R. 14 W. (by L. V. Johnson in 1930; that portion south of Ashland rerun by W. V. Kennedy in 1937)

(Continued from Centertown quadrangle; see line 1.)

Ashland, 1.3 mi. S. of, 20 ft. N. and 20 ft. W. from junction of rd. W., 20 ft. SE. of SE. corner of cattle pen, on N. concrete head wall of culvert; chiseled square	864.49
Ashland, 1.1 mi. S. of, 5 ft. N. and 20 ft. W. from junction of rd. E., on S. end of concrete head wall of culvert; chiseled square	885.70
Ashland, 0.5 mi. S. of, 12 ft. N. and 20 ft. W. from junction of rd. W., on N. concrete head wall of culvert; chiseled square	889.10
Ashland, in yard of Baptist Church, 8 ft. S. and 20 ft. E. from front doorstep, in concrete post; standard tablet stamped "T T 5 C 1930"	904.338
Reference mark, 900 ft. E. of tablet, 80 ft. N. and 60 ft. E. from junction of main street, at private rd. to dwelling, on SW. concrete head wall of culvert; chiseled square	903.86
Ashland, 1.1 mi. N. of, 12 ft. N. and 25 ft. E. from junction of rd. E., 2 ft. E. of stop sign, on W. end of N. concrete head wall of culvert; chiseled square	888.32
Ashland, 1.7 mi. N. of, about 400 ft. SE. of New Salem Church, 13 ft. N. and 30 ft. E. from junction of rd. E., on E. end of N. concrete head wall of culvert; chiseled square	870.55

	<u>Feet</u>
Ashland, about 2.5 mi. N. of, near quarter cor. between secs. 34 and 35, T. 47 N., R. 12 W., 25 ft. S. and 35 ft. W. from crossroad, in concrete post; standard tablet stamped "T T 15 C 1930"	816.264
Reference mark, 160 ft. S. of crossroad, 20 ft. W. of highway, on N. end of W. head wall of concrete culvert; chiseled square	814.08
(For balance in Millersburg quadrangle, see line 2.)	
Deer Park, 175 ft. W. of cor. secs. 10, 11, 14, and 15, T. 47 N., R. 12 W., 15 ft. S. and 30 ft. W. from crossroad, in concrete post; standard tablet stamped "T T 16 C 1930"	859.092
Reference mark, 7 ft. N. of tablet, 8 ft. S. and 28 ft. W. from crossroad, on S. concrete head wall of culvert; chiseled square	858.80
Deer Park, 0.5 mi. N. of, about 200 ft. SE. of brick school, 13 ft. S. and 23 ft. W. from junction of rd. W., on S. concrete head wall of culvert; chiseled square	837.38
Deer Park, 1.5 mi. N. of, 0.2 mi. N. of bridge over Bonne Femme Creek, 510 ft. N. of crossroad, 20 ft. W. of highway, on N. end of W. head wall of large concrete culvert; chiseled square	796.13
Deer Park, 2 mi. N. of, 120 ft. NW. of Grandview Store, 4 ft. SE. of stop sign, in SE. corner of rd. junction, on S. concrete head wall of culvert; chiseled square	842.58
Columbia, 5.7 mi. SE. of E. junction of U.S. Highway 40, 0.9 mi. NW. of Grandview, 485 ft. W. of Gans Creek, 30 ft. S. and 135 ft. E. from junction of rd. SW., in concrete post; standard tablet stamped "T T 17 C 1930"	751.581
Reference mark, NW. corner of bridge over Gans Creek, on concrete abutment; chiseled square	749.70
Columbia, 4.6 mi. SE. of E. junction of U.S. Highway 40, 10 ft. S. and 40 ft. E. from junction of rd. E., on S. concrete head wall of culvert; chiseled square	797.72
Columbia, 3.9 mi. SE. of E. junction of U.S. Highway 40, at Grindstone School, 36 ft. N. and 65 ft. W. from crossroad, in concrete post; standard tablet stamped "T T 18 C 1930"	794.054
Reference mark, on S. end of concrete culvert under rd. W. to schoolyard; chiseled square	792.96
Columbia, 2.7 mi. SE. of E. junction of U.S. Highway 40, at NW. corner of concrete bridge over Grindstone Creek, on concrete abutment; chiseled square	639.00
Columbia, 1.8 mi. SE. of junction of U.S. Highway 40, at top of hill, 15 ft. S. and 35 ft. E. from private crossroad, 6 ft. S. of gatepost; on concrete base of iron brace; chiseled square	749.92
Columbia, at E. edge of, NE. of junction of East Broadway, in root on S. side of 24-in. maple tree; copper nail and washer	677.36
Columbia, 15 ft. N. of junction of U.S. Highways 40 and 63, in concrete post; standard tablet stamped "T T 19 C 1930"	763.169
Reference mark, 8 ft. W. of tablet, on concrete curb; chiseled square	763.02
Columbia, 25 ft. S. and 7 ft. W. from W. junction of U.S. Highways 40 and 63, on N. side of transmission-line pole, on second concrete step of wall around pole; chiseled square	743.91
Columbia, near NW. edge of, 35 ft. N. and 12 ft. W. from junction of North Garth Avenue, N. of highway opposite service sta., 1 ft. S. of corner fence post, on concrete right-of-way post; chiseled square	754.46
Columbia, at NW. edge of, S. of highway opposite grocery store of G. L. Melloway, 27 ft. S. and 70 ft. E. from junction of rd. NW., 22 ft. NW. of NW. corner of Cozy Cafe, on W. end of concrete culvert; chiseled square	768.16
Columbia, 0.3 mi. N. of junction of U.S. Highway 40 and Sexton Road, 25 ft. S. and 10 ft. W. from junction of rd. N., 4 ft. E. of NW. corner of yard of Alex Hicks, in concrete post; standard tablet stamped "T T 20 C 1930"	726.494
Reference mark, about 50 ft. S. of tablet, 2 ft. E. of gate, on concrete walk; chiseled square	726.80
Columbia, 1.1 mi. NW. of junction of U.S. Highway 40 and Sexton Road, 45 ft. E. of junction of rd. N., 150 ft. S. of stucco farmhouse, 7 ft. S. of E.-W. fence line, in root on S. side of 12-in. tree; copper nail and washer	759.12
Columbia, 1.6 mi. NW. of junction of U.S. Highway 40 and Sexton Road, 200 ft. NE. (? NW.) of crossroad, 25 ft. N. of rd., in fence line, in root on S. side of 18-in. walnut tree; copper nail and washer	753.63
Tps. 48 and 49 N., R. 13 W., near cor. secs. 3, 4, 33, and 34, 110 ft. W. of rd. junction, 13 ft. S. of E.-W. rd., on E. end of concrete head wall of culvert; chiseled square	751.42
T. 49 N., R. 13 W., near quarter cor. between secs. 28 and 33, on old Sexton Road, 20 ft. S. and 30 ft. W. from bridge over Bear Creek; iron post stamped "Prim Trav Sta No 6 Mo 1912"	593.891
Reference mark, 25 ft. N. and 35 ft. W. from W. end of bridge, in knot on E. side of 12-in. elm tree; copper nail and washer	594.33
T. 49 N., R. 13 W., cor. secs. 28, 29, 32, and 33, 15 ft. S. and 40 ft. E. from T.-rd. S., 400 ft. W. of bridge over creek, 5 ft. E. of corner fence post, on top of corner stone; chiseled square	595.40
T. 49 N., R. 13 W., quarter cor. between secs. 29 and 32, 18 ft. S. and 28 ft. W. from T.-rd. S., 140 ft. N. of farmhouse, 4 ft. S. of W. post of gate to farmyard, in root on E. side of 30-in. elm tree; copper nail and washer	616.00
Tps. 48 and 49 N., R. 13 W., near quarter cor. between secs. 5 and 32, 55 ft. N. of farmhouse, 25 ft. W. of rd., in root on N. side of 20-in. maple tree; copper nail and washer	591.51
Midway, 2.2 mi. E. of, 183 ft. N. and 16 ft. W. from junction of rd. N., 7 ft. N. of corner fence post, in concrete post; standard tablet stamped "1 J 1930"	585.187

	<u>Feet</u>
Reference mark, 38 ft. N. of corner fence post, in root on NW. side of twin oak tree; copper nail and washer	584.65
Midway, 1.6 mi. E. of, 20 ft. N. and 18 ft. W. from crossroad, 4 ft. SW. of stop sign, on E. end of N. concrete head wall of culvert; chiseled square	593.15
Midway, 0.7 mi. E. of, 22 ft. N. and 3 ft. E. from junction of private rd. N., 7 ft. NW. of mail box of R. H. Wood, on E. concrete head wall of culvert; chiseled square	629.55
Midway, about 150 ft. SE. of SE. corner of Henderson Cafe, 39 ft. S. and 22 ft. E. from junction of rd. S., 5 ft. S. of corner fence post, in concrete post; standard tablet stamped "2 J 1930"	651.521
Reference mark, SE. of junction of rd. S., on concrete head wall of culvert; chiseled square	651.63
Midway, 1 mi. W. of, 12 ft. SW. of S. end of sidewalk in front of dwelling of E. S. Wilthite, 20 ft. N. of highway, on W. concrete head wall of culvert; chiseled square	779.70
Midway, 1.6 mi. W. of, 24 ft. S. and 160 ft. W. from junction of rd. N., 24 ft. S. and 10 ft. W. from junction of rd. S., on W. concrete head wall of concrete culvert; chiseled square	776.69
Midway, 2.5 mi. W. of, cor. secs. 3, 4, 33, and 34, Tps. 48 and 49 N., R. 14 W., 42 ft. N. and 24 ft. E. from junction of rd. N., 13 ft. N. of corner fence post, in concrete post; standard tablet stamped "3 J 1930"	785.412
Reference mark, NE. of crossroad, on N. end of concrete culvert; chiseled square	787.54

(Continued in Sturgeon quadrangle; see line 7.)

2. FROM COLUMBIA NORTHEAST ALONG WABASH RAILWAY INTO STURGEON QUADRANGLE (by J. H. Vinyard in 1933)

Columbia, at water and light plant on S. side of Moore Boulevard (U.S. Highway 40 ?) on top of N. bolt of hydrant; chiseled cross	753.80
Columbia, at junction of U.S. Highway 40, on NW. corner of W. side of N. bridge abutment; chiseled cross	782.92
Columbia, 1 mi. N. of, at SE. corner of service sta., on SE. corner of pipe footing; chiseled square	798.86
Persinger, 30 ft. W. of, in concrete corner post; top of bolt	805.30

(Continued in Sturgeon quadrangle; see line 8.)

3. FROM SEC. 28, T. 49 N., R. 13 W., EAST INTO MILLERSBURG QUADRANGLE AT SEC. 34, T. 49 N., R. 12 W. (by J. H. Vinyard in 1934)

T. 49 N., R. 13 W., about 0.2 mi. E. of N. cor. secs. 33 and 34, at bridge over Rocky Ford Creek; at SE. end of upstream girder over pier; top of rivet (surrounded by chiseled square)	601.84
---	--------

(For balance in Sturgeon quadrangle, see line 9.)

Columbia, 2 mi. N. of, near E. cor. secs. 25 and 36, T. 49 N., R. 13 W., W. of U.S. Highway 63 at rd. E., in concrete post; standard tablet	740.096
Reference mark, 60 ft. E. of tablet, on W. end of N. head wall of culvert under side rd.; chiseled square	737.23
T. 49 N., R. 12 W., near cor. secs. 29, 30, 31, and 32, at junction of rd. W., 50 ft. W. of Oakland rd., in root of 18-in. elm tree; copper nail and washer	705.09
T. 49 N., R. 12 W., 0.2 mi. N. of S. cor. secs. 31 and 32, 0.4 mi. N. of Wabash Ry., on Oakland rd., on NE. wing wall of bridge; chiseled square	725.29
Columbia, 1 mi. NE. of, along Wabash Ry., near S. line sec. 32, T. 49 N., R. 12 W., at rd. crossing, in NE. fence corner, in concrete post; standard tablet	791.941
Reference mark, 125 ft. SW. of tablet, in root on NW. side of 30-in. elm tree; copper nail and washer	791.60
T. 49 N., R. 12 W., in SW 1/4 sec. 33, on old Mexico rd., on SE. wing wall of bridge over Hinkson Creek; chiseled square	694.16
T. 49 N., R. 12 W., quarter cor. between secs. 33 and 34, 100 ft. E. of crossroads, N. of rd., in root of 60-in. black-oak tree; copper nail and washer	781.88
T. 49 N., R. 12 W., center sec. 34, 150 ft. W. of T-rd. N., in root of ash tree; copper nail and washer	824.13

4. FROM COLUMBIA EAST ALONG U.S. HIGHWAY 40 INTO MILLERSBURG QUADRANGLE (by J. H. Vinyard in 1934)

Columbia, 1 mi. E. of, SW. of highway, on NW. wing wall of bridge over Hinkson Creek; chiseled square	685.24
Columbia, 2 mi. E. of, at private crossroad, in root of 30-in. black-oak tree; copper nail and washer	780.26
Columbia, 3.1 mi. E. of, at Lake of The Woods Tourist Camp, 70 ft. N. and 30 ft. E. from crossroad, in concrete post; standard tablet stamped "T 24 G 1930"	839.085
Reference mark, 75 ft. SW. of tablet, on concrete foundation of E. gasoline pump of Lake of The Woods service sta.; chiseled square	835.37

(Continued in Millersburg quadrangle; see line 4.)

5. FROM MILLERSBURG QUADRANGLE AT SEC. 22, T. 48 N., R. 12 W., SOUTH TO POINT 0.5 MILE NORTH OF DEER PARK (by J. H. Vinyard in 1934)

(Continued from Millersburg quadrangle; see line 5.)

	<u>Feet</u>
Columbia, 4.5 mi. SE. of, on Fulton Gravel Road, at Carlisle School, 27 ft. S. and 45 ft. E. from junction of rd. S., in concrete post; standard tablet stamped "T T 23 C 1930"	745.440
Reference mark, 100 ft. W. of tablet, S. of rd., in root of twin elm tree; nail	741.92
T. 48 N., R. 12 W., center sec. 27, 25 ft. N. and 80 ft. E. from crossroads, in concrete post; U.S.C. & G.S. and State Survey standard tablet	815.299
Reference mark, 100 ft. W. of tablet, W. of crossroads, on SW. corner of S. head wall of culvert; chiseled square	810.04
T. 48 N., R. 12 W., 0.2 mi. S. of quarter cor. between secs. 27 and 34, on top of N. end of W. banister of bridge over Gans Creek; chiseled square	771.56
T. 47 N., R. 12 W., N. sixteenth cor. sec. 3, 0.3 mi. E. of Miller's service sta. on U.S. Highway 63, at T-rd. W., in root of 36-in. locust tree; staples	834.44
Columbia, 5 mi. SE. of, on U.S. Highway 63, on NW. wing wall of bridge over Bonne Femme Creek; chiseled square	787.04
Deer Park, 0.5 mi. N. of, on U.S. Highway 63, at entrance to brick school, in concrete step; standard tablet	840.995
Reference mark, at junction of rd. W., on N. head wall of culvert; chiseled square	837.82

6. FROM SEC. 10, T. 47 N., R. 12 W., WEST TO SEC. 9, T. 47 N., R. 13 W., THENCE NORTH TO COLUMBIA (by J. H. Vinyard in 1934)

T. 47 N., R. 12 W., 0.1 mi. W. of quarter cor. between secs. 9 and 10, 1 mi. W. of U.S. Highway 63, on anchor angle at E. end of S. truss of bridge over Bonne Femme Creek; top of middle rivet	755.32
T. 47 N., R. 12 W., 0.2 mi. E. of quarter cor. between secs. 8 and 9, 1.8 mi. W. of U.S. Highway 63, in front of farmhouse of T. C. Honsley, in root of 36-in. twin elm tree; nail	824.30
Pierpoint, 0.7 mi. E. of, 125 ft. N. of Lakeview School, 57 ft. S. of T-rd. N., in concrete post; standard tablet stamped "T T 25 C 1930"	797.639
Reference mark, on curb on top step at W. entrance to school; (mark not described)	800.54
Pierpoint, near quarter cor. between secs. 7 and 18, T. 47 N., R. 12 W., SE. of rd. forks, in root of 24-in. black-oak tree; nail	769.79
Pierpoint, 0.8 mi. SW. of, in NW 1/4 sec. 18, T. 47 N., R. 12 W., 60 ft. W. of T-rd. W., in fence line N. of rd., in root of 24-in. black-oak tree; nails	734.01
T. 47 N., R. 13 W., 225 ft. E. of quarter cor. between secs. 13 and 14, 1.6 mi. W. of Pierpoint, 15 ft. S. and 15 ft. E. from rd. corner, in concrete post; standard tablet stamped "T T 26 C 1930"	742.259
Reference mark, 20 ft. E. of tablet, in root of 24-in. walnut tree; staples	742.10
T. 47 N., R. 13 W., near W. sixteenth cor. sec. 14, at top of hill, at gatepost at entrance to farm of T. E. Atkins, in root of 18-in. walnut tree; staples	724.55
T. 47 N., R. 13 W., near center sec. 15, at T-rd. N., at SW. corner of barn of J. W. Samuel, on top of corner of foundation stone; (mark not described)	583.30
T. 47 N., R. 13 W., about 0.1 mi. N. of center sec. 10, 50 ft. N. of County Route K at rd. S., in root of 18-in. hickory tree; copper nail and washer	611.89
Columbia, 6.5 mi. SW. of, on County Route K, at crossroad, on NW. wing wall of bridge; chiseled square	595.86
Columbia, 5 mi. S. and 3 mi. W. from, 80 ft. N. and 35 ft. E. from junction of three rds., 25 ft. W. of entrance to Union Church Cemetery, in concrete post; standard tablet stamped "T T 22 C 1930"	673.115
Reference mark, 15 ft. S. of tablet, in root of 60-in. locust tree; copper nail and washer	672.21
T. 47 N., R. 13 W., near center sec. 3, S. of rd. corner, in root of 12-in. elm tree; copper nail and washer	715.62
T. 48 N., R. 13 W., in S 1/2 sec. 34, 15 ft. W. of concrete spillway, 4 ft. SE. of twin 30-in. elm tree, on outcrop of rock; chiseled square	636.60
T. 48 N., R. 13 W., N. quarter cor. sec. 34, 100 ft. S. of crossroads, E. of rd., in root of 48-in. oak tree; copper nail and washer	680.41
T. 48 N., R. 13 W., in N 1/2 sec. 27, 50 ft. W. of point of Limerick sta. switch, 40 ft. N. and 45 ft. E. from Missouri-Kansas-Texas R.R. at abandoned rd. crossing, in concrete post; standard tablet stamped "T T 21 C 1930"	601.964
Reference mark, on S. head wall of culvert under R.R.; chiseled square	597.12
T. 48 N., R. 13 W., in E 1/2 sec. 22, 150 ft. W. of T-rd. S., N. of rd., in root of 24-in. wild-cherry tree; copper nail and washer	711.37
T. 48 N., R. 13 W., in SW 1/4 sec. 14, 300 ft. W. of cabin, S. of rd., in root of 27-in. oak tree; copper nail and washer	727.46
Columbia, at NE. corner of intersection of West Broadway and West Boulevard, on N. end of curved curb; chiseled square	760.70

7. FROM BOONVILLE QUADRANGLE AT SEC. 31, T. 48 N., R. 14 W., SOUTHEAST TO LUPUS (by J. H. Vinyard in 1934)		
(Continued from Boonville quadrangle; see line 3.)		
Lupus, 2.5 mi. NW. of, in SE 1/4 sec. 31, T. 48 N., R. 14 W., about 60 ft. N. of jog in rd., in field, in root of 48-in. oak tree; copper nail and washer	<u>Feet</u> 806.35	
Mount Vernon triangulation sta.; Missouri River Commission iron post U.S.C.E. B.M. designated "127=36/1"	798.881	
Copper bolt	586.167	
Top of cap	590.278	
Lupus, 123 ft. W. of Missouri Pacific R.R. sta., 32 ft. S. and 166 ft. W. from main track at rd. crossing, 13 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 9 L 1931"	574.026	
8. FROM POINT ABOUT 1 MILE WEST OF McBAINE NORTHEAST ALONG MISSOURI- KANSAS-TEXAS RAILROAD (Columbia Branch) TO COLUMBIA (by R. G. McClain in 1934)		
U.S.C.E. B.M. designated "129"		
Copper bolt	586.790	
Top of cap	590.845	
McBaine, 1 mi. W. of, on rd. to Huntsdale, at T-rd., in yard of Starr School, on concrete flagpole base; monel metal rivet	575.84	
McBaine, 0.2 mi. NW. of, at junction of main line and Columbia Branch of Missouri-Kansas-Texas R.R., on S. end of SE. side of concrete culvert, in chiseled square; monel metal rivet	574.38	
Brushwood, about 300 ft. S. of, in SW. corner of S. abutment of bridge over Perche Creek, inside bridge spanners, on top of large bolt on inside of saddle; chiseled cross	576.96	
Turners, 0.2 mi. SW. of, on SE. corner inside of SE. corner of SW. abut- ment of bridge over Hinkson Creek, in expansion slot; top of bolt	578.18	
Sheppard, 0.2 mi. S. of, on NE. corner of N. abutment, inside of spanner beams, on top of rivet; chiseled cross	582.76	
Sheppard, at entrance to sta., in post in center of doorway; copper nail	604.47	
Limerick, 0.2 mi. N. of, W. of R.R., on drain tile; chiseled cross	594.77	
Columbia, at septic tanks, about 50 ft. W. of R.R., on top of rim of manhole cover; chiseled cross	626.94	
Columbia, at Stewart Bridge, W. of spur line to power-house of University of Missouri, at SE. corner of bridge footing, on top of bolt; chiseled cross	679.26	
Columbia, at University of Missouri, just N. of entrance on E. side of College of Engineering Building, on water table; (mark not described)	745.29	
9. FROM CENTERTOWN QUADRANGLE NORTH ALONG STATE HIGHWAY 87 TO JAMESTOWN, THENCE WEST ALONG ROADS INTO BOONVILLE QUADRANGLE AT SEC. 6, T. 46 N., R. 14 W. (by A. L. Detweiler in 1934)		
(Continued from Centertown quadrangle; see line 5.)		
T. 46 N., R. 14 W., in E 1/2 sec. 8, 300 ft. S. of rd. junction, on E. end of culvert; chiseled square	875.14	
Jamestown, at S. side of, 20 ft. E. of church, on SE. corner of entrance walk; chiseled square	877.44	
Jamestown, 0.8 mi. W. of, in SW 1/4 sec. 6, T. 46 N., R. 14 W., 490 ft. W. of junction of rd. W., 21 ft. N. of rd., 2 ft. N. of large fence post, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "25 C W A 1934"	901.239	
(Continued in Boonville quadrangle; see line 6.)		
10. FROM LUPUS SOUTHWEST AND SOUTH ALONG COUNTY ROUTE P AND STATE HIGHWAY 87 TO JAMESTOWN, THENCE EAST ALONG COUNTY ROUTE A TO SANDYHOOK, THENCE NORTH ALONG MISSOURI PACIFIC RAILROAD TO LUPUS (by Charles E. Hunter in 1937)		
Lupus, 0.4 mi. SW. of, 15 ft. N. and 100 ft. W. from junction of rd. W., in root on SE. side of 10-in. elm tree; crossed nails	608.69	
Lupus, about 1 mi. SW. of, near line between secs. 8 and 9, T. 47 N., R. 14 W., 35 ft. S. of highway, in root on N. side of 30-in. oak tree; copper nail and washer	795.75	
Lupus, about 1.9 mi. SW. of, near line between secs. 8 and 17, T. 47 N., R. 14 W., 15 ft. S. and 20 ft. E. from junction of rd. W., in root on W. side of 20-in. oak tree; copper nail and washer	804.64	
Lupus, about 3.3 mi. SW. of, W. sixteenth cor. between secs. 18 and 19, T. 47 N., R. 14 W., 20 ft. S. and 15 ft. W. from rd. corner N.-W., 20 ft. S. and 200 ft. W. from junction of rd. E., in root on W. side of 18-in. oak tree; copper nail and washer	817.91	
(For balance in Boonville quadrangle, see line 8.)		
Jamestown, 0.8 mi. SE. of, 45 ft. S. and 20 ft. E. from rd. junction, in root on N. side of 28-in. elm tree; copper nail and washer	854.45	
Jamestown, 1.8 mi. E. of, 20 ft. N. and 8 ft. E. from junction of rd. N., on E. end of iron pipe culvert; painted square	823.40	
Jamestown, 2.5 mi. E. of, at top of hill, in farmyard of Mary Gatschel, 9 ft. SE. (NW. ?) of right-of-way post, in concrete post; standard tablet stamped "T T 42 C 1936"	807.425	

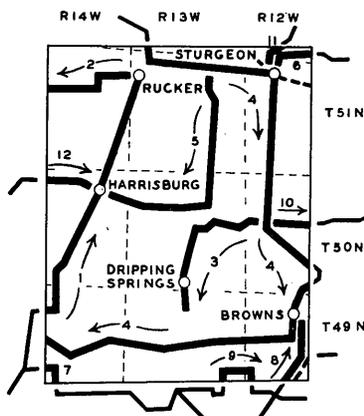
	<u>Feet</u>
T. 46 N., R. 14 W., near line between secs. 10 and 11, 12 ft. N. and 18 ft. W. from junction of rd. S., on W. end of iron pipe culvert; painted square	749.38
T. 46 N., R. 14 W., in sec. 11, 20 ft. S. of junction of rd. N., in root on E. side of 10-in. hickory tree; copper nail and washer	614.13
Sandyhook, at N. edge of, 60 ft. N. and 20 ft. E. from highway at street E., in root on S. side of 60-in. sycamore tree; copper nail and washer	581.89
Sandyhook, about 1 mi. N. of, on NE. corner of concrete base of signal box; chiseled square	569.07
Fisher triangulation sta.; Missouri River Commission iron post designated "Fisher triangulation sta."	653.142
Private rd. crossing, 285 ft. N. of, E. of R.R., on SW. corner of concrete base of semaphore 1457; chiseled square	570.78
Sandyhook, about 2.8 mi. N. of, at milepole 146.20, W. of R.R., on NE. corner of concrete base of semaphore control box; chiseled square	570.76
Sandyhook, about 3.5 mi. N. of, about 525 ft. N. of rd. crossing, E. of R.R., on SW. corner of concrete base of semaphore 1475; chiseled square	572.31
Lupus, about 2.8 mi. SE. of, at rd. crossing, in W. end of S. abutment of wooden trestle 24; copper nail and washer	569.88
Lupus, about 2 mi. SE. of, NE. of R.R., on S. corner of concrete base of semaphore 1491; chiseled square	572.17
Lupus, 1.4 mi. SE. of, W. of R.R., on E. corner of concrete base of semaphore control box; chiseled square	575.42
Lupus, about 0.6 mi. SE. of, E. of R.R., on S. corner of concrete base of semaphore 1507; chiseled square	575.41
11. FROM SEC. 29, T. 48 N., R. 12 W., EAST INTO MILLERSBURG QUADRANGLE AT SEC. 27, T. 48 N., R. 12 W. (by W. V. Kennedy in 1937)	
T. 48 N., R. 12 W., quarter cor. between secs. 28 and 29, 50 ft. N. and 10 ft. E. from junction of private rd. N., in concrete post; U.S.C. & G.S. and State Survey standard tablet	814.997
T. 48 N., R. 12 W., 375 ft. E. of center sec. 28, in front yard of farmhouse of R. J. Estes, 55 ft. N. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	826.757
T. 48 N., R. 12 W., E. sixteenth cor. sec. 27, 23 ft. S. of rd., 42 ft. W. of 36-in. oak tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet	793.056

(Continued in Millersburg quadrangle; see line 6.)

For additional level lines along Missouri River, U.S. Highway 40, and Wabash Ry., refer to United States Coast and Geodetic Survey first-order line, Jefferson City to Kansas City; and second-order line, Lupus to Centralia.

STURGEON QUADRANGLE
(Latitude 39°00'-39°15'; longitude 92°15'-92°30')

Audrain, Boone, Howard, and Randolph Counties



1. FROM FAYETTE QUADRANGLE AT SEC. 9, T. 49 N., R. 14 W., NORTH BY WAY OF HARRISBURG TO RUCKER (by D. V. Vandiver in 1905 and P. W. McMillen and E. C. Bibbee in 1912)
(Continued from Fayette quadrangle; see line 1.)

	Feet
Woodlandville, 0.3 mi. SW. of, in NW 1/4 sec. 10, T. 49 N., R. 14 W., E. of rd., 2 ft. W. of fence opposite T-rd. W.; iron post stamped "811"	810.526
Woodlandville, 1.2 mi. N. of, near S. quarter cor. sec. 34, T. 50 N., R. 14 W., 420 ft. NW. of Richland School, NW. of T-rd. W., in root of oak tree; copper nail	817.95
Harrisburg, 4.4 mi. S. of, near center sec. 34, T. 50 N., R. 14 W., NW. of crossroads, in root of 24-in. oak tree; copper nail	806.03
Harrisburg, 3.4 mi. S. of, near center sec. 27, T. 50 N., R. 14 W., 75 ft. S. of SW. corner of crossroads; iron post stamped "798"	796.631
Harrisburg, 2.2 mi. S. of, in W 1/2 sec. 23, T. 50 N., R. 14 W., W. of rd. opposite T-rd. E., in root of hickory tree; copper nail	814.38
Harrisburg, 24 ft. S. and 40 ft. W. from SW. corner of school; iron post stamped "Prim Trav Sta No 9 1912 Mo 843"	841.863
Harrisburg, 0.7 mi. N. of, at rd. fork W.; surface of rd.	829.1
Harrisburg, 1.2 mi. N. of, on line between secs. 2 and 3, T. 51 N., R. 14 W., 0.2 mi. N. of rd. corner, E. of rd., in root of 15-in. oak tree; copper nail	841.10
Minnie, 1.7 mi. SW. of, at rd. corner S.-E., in front of log dwelling, in root of 18-in. oak tree; copper nail	837.50
Minnie, 0.8 mi. SW. of, at rd. forks; surface of rd.	843.8
Minnie, 0.2 mi. N. of, near Boone-Howard county line, 25 ft. NW. of rd. forks; iron post stamped "848"	847.475
Minnie, 0.6 mi. N. of, at rd. forks; surface of rd.	850.4
T. 51 N., R. 14 W., in NE 1/4 SW 1/4 sec. 24, 440 ft. E. of T-rd. S., S. of rd., in root of 18-in. elm tree; copper nail	758.41
Bridge over Coon Creek; surface of floor	735.2
Perche Church, 0.5 mi. W. of, at T-rd. N.; surface of rd.	806.7
T. 51 N., R. 14 W., near line between secs. 13 and 24, at rd. corner S.-W., in root of 10-in. oak tree; copper nail	806.36
T. 51 N., R. 14 W., E. sixteenth cor. between secs. 12 and 13; corner stone	789.53
T. 51 N., R. 14 W., in SE 1/4 sec. 12, 100 ft. S. of T-rd. S., E. of rd.; iron post stamped "847"	846.326
Rucker, 0.4 mi. W. of, at rd. fork NW.; surface of rd.	726.7
Rucker, 0.2 mi. W. of, at bridge over Perche Creek; surface of floor	722.9
2. FROM SEC. 11, T. 51 N., R. 14 W., WEST TO SEC. 16, T. 51 N., R. 14 W. (by D. V. Vandiver in 1905 and P. W. McMillen and E. C. Bibbee in 1912)	
Naylor School, 0.5 mi. S. of, in SE 1/4 sec. 11, T. 51 N., R. 14 W., at E. end of large triangle formed by rd. forks, in root of 12-in. oak tree; copper nail	862.01
Naylor School, 1.8 mi. SW. of, in SE 1/4 sec. 15, T. 51 N., R. 14 W., in large triangle formed by rd. forks, in root of 12-in. black-oak tree; copper nail	846.67
T. 51 N., R. 14 W., in NW 1/4 sec. 16, 130 ft. NW. of bridge over Moniteau Creek, N. of rd.; iron post stamped "695"	694.550

3. FROM SEC. 17, T. 50 N., R. 12 W., WEST TO SEC. 15, T. 50 N., R. 13 W., THENCE SOUTH BY WAY OF DRIPPING SPRINGS TO SEC. 3, T. 49 N., R. 13 W. (by D. V. Vandiver in 1905 and P. W. McMillen and E. C. Bibbee in 1912)	
T. 50 N., R. 12 W., center sec. 17, 150 ft. W. of T-rd. S., in root of 24-in. elm tree; copper nail	Feet 882.94
T. 50 N., R. 12 W., in SE 1/4 sec. 18, 300 ft. NE. of Middletown School, 75 ft. W. of T-rd. S.; S. of rd.; iron post stamped "827"	826.422
T. 50 N., Rs. 12 and 13 W., approximate quarter cor. between secs. 13 and 18, N. of rd., in root of 20-in. hackberry tree; copper nail	791.95
T. 50 N., R. 13 W., cor. secs. 13, 14, 23, and 24, 40 ft. N. of crossroads, in root of 24-in. elm tree; copper nail	687.74
T. 50 N., R. 13 W., in S 1/2 sec. 15, 30 ft. S. of rd. forks N., E., and SW.; iron post stamped "852"	830.904
T. 50 N., R. 13 W., in NE 1/4 sec. 21, 150 ft. E. of crossroads, N. of rd., in root of 12-in. hickory tree; copper nail	789.09
Dripping Springs Church, 2.2 mi. N. of, 200 ft. S. of dwelling of James E. Barnes, W. of rd., 7 ft. E. of fence, in root of 18-in. hickory tree; copper nail	733.46
Dripping Springs Church, 1 mi. N. of, 500 ft. N. of dwelling, W. of rd., 2 ft. W. of fence, in root of 18-in. maple tree; copper nail	695.18
T. 50 N., R. 13 W., in NW 1/4 sec. 34, about 800 ft. E. of Dripping Springs Church, E. of N.-S. rd., near fence; iron post stamped "Prim Trav Sta No 8 1912 Mo"	663.396
Dripping Springs Church, 1 mi. S. of, 40 ft. W. of T-rd. E., in root of twin oak tree; copper nail	785.30
Dripping Springs Church, 1.9 mi. S. of, near center sec. 3, T. 49 N., R. 13 W., 85 ft. E. of T-rd. E., in root of 24-in. oak tree; copper nail	767.19
4. FROM MOBERLY QUADRANGLE AT SEC. 31, T. 52 N., R. 13 W., SOUTH TO RUCKER, THENCE EAST TO STURGEON, THENCE SOUTH BY WAY OF BROWNS TO STEPHENS, THENCE WEST INTO FAYETTE QUADRANGLE AT SEC. 16, T. 49 N., R. 14 W. (by D. V. Vandiver in 1905 and P. W. McMillen and E. C. Bibbee in 1912)	
(Continued from Moberly quadrangle; see line 1.)	
Rucker, 1.4 mi. N. of, 50 ft. N. of T-rd. E., N. of dwelling, W. of rd., in root of 15-in. oak tree; copper nail	851.05
Rucker, 0.8 mi. N. of, at rd. fork E.; surface of rd.	829.9
Rucker, 75 ft. E. of Sword and Sons Store, 40 ft. N. of dwelling, in root of 12-in. hickory tree; copper nail	808.47
Rucker, 0.3 mi. E. of, at bridge over Sugar Creek; surface of floor	748.2
Rucker, 0.9 mi. E. of, at private rd. SW., N. of rd., in root of 12-in. oak tree; copper nail	839.09
T. 51 N., R. 13 W., in SW 1/4 sec. 4, at T-rd. S.; surface of rd.	834.6
T. 51 N., R. 13 W., in E 1/2 sec. 4, NW. of rd. forks; iron post stamped "866"	865.083
T. 51 N., R. 13 W., in W 1/2 sec. 3, at T-rd. S.; surface of rd.	867.7
T. 51 N., R. 13 W., center sec. 3, SE. of T-rd. S., in root of 12-in. oak tree; copper nail	855.52
T. 51 N., R. 13 W., center sec. 2, 90 ft. NE. of crossroads, in root of 12-in. oak tree; copper nail	858.41
T. 51 N., R. 13 W., near center sec. 1, on U.S. Highway 63, 0.5 mi. S. of junction of State Highway 22, 30 ft. N. and 40 ft. W. from crossroad; iron post stamped "869"	868.225
Sturgeon, 1.9 mi. W. of, on line between secs. 1 and 6, T. 51 N., Rs. 12 and 13 W., at rd. corner; surface of rd.	858.4
Sturgeon, 1.5 mi. W. of, in W 1/2 sec. 6, T. 51 N., R. 12 W., 300 ft. E. of T-rd. S., S. of rd., in root of 10-in. ash tree; copper nail	857.39
Sturgeon, 0.6 mi. NW. of Wabash Ry. sta., at rd. crossing; center of track	861.2
Sturgeon, 0.2 mi. W. of Wabash Ry. sta., 60 ft. SW. of rd. crossing; iron post stamped "858"	857.525
Sturgeon, 0.5 mi. S. of Wabash Ry. sta., at bridge over creek; surface of floor	825.9
Sturgeon, 0.6 mi. S. of, at bridge over Saling Creek; surface of floor	826.0
Sturgeon, 1.1 mi. S. of, on line between secs. 8 and 17, T. 51 N., R. 12 W., 70 ft. W. of crossroads, N. of rd., in root of 24-in. honey-locust tree; copper nail	856.25
Sturgeon, 1.6 mi. S. of, near E. sixteenth cor. sec. 17, T. 51 N., R. 12 W., at T-rd. W.; surface of rd.	860.5
Sturgeon, 2.1 mi. S. of, at rd. corner; surface of rd.	864.9
T. 51 N., R. 12 W., on line between secs. 17 and 20, at rd. corner W.-S., in root of 30-in. honey-locust tree; copper nail	854.78
T. 51 N., R. 12 W., in SW 1/4 sec. 21, at rd. E. to dwelling of C. W. Eubank, E. of rd., iron post stamped "821"	819.839
T. 51 N., R. 12 W., in W 1/2 sec. 28, at T-rd. W. (E. ?); surface of rd.	775.8
T. 51 N., R. 12 W., in NW 1/4 sec. 33, 200 ft. S. of bridge over Silver Fork Creek, E. of rd., in root of 30-in. oak tree; copper nail	773.88
Tps. 50 and 51 N., R. 12 W., on line between secs. 4 and 33, 75 ft. S. of T-rd. W., W. of rd., in root of 12-in. hickory tree; copper nail	867.52
T. 50 N., R. 12 W., E. sixteenth cor. between secs. 4 and 9, 15 ft. N. and 40 ft. E. from crossroads, near fence; iron post stamped "Prim Trav Sta No 10 1912 Mo 862"	861.623
T. 50 N., R. 12 W., in SE 1/4 sec. 9, at rd. corner, W. of rd., in root of 24-in. oak tree; copper nail	866.78
Barnes School, E. of, in root of 24-in. hickory tree; copper nail	855.04
T. 50 N., R. 12 W., S. sixteenth cor. sec. 21, 150 ft. S. of crossroads, E. of rd., in root of 20-in. wild-cherry tree; copper nail	898.54

	Feet
T. 50 N., R. 12 W., near center sec. 28, S. of private rd. W., W. of rd.; iron post stamped "843"	842.273
T. 50 N., R. 12 W., center sec. 27, at T-rd. S.; surface of rd.	908.2
(For balance in Centralia quadrangle, see line 1.)	
Browns, 1.7 mi. N. of, near center sec. 34, T. 50 N., R. 12 W., 50 ft. E. of rd., in root of 12-in. hickory tree; copper nail	919.24
Browns, 0.3 mi. S. of Wabash Ry. sta., 50 ft. E. of rd. crossing, S. of rd., inside right-of-way fence; iron post stamped "910"	908.794
Browns, 1 mi. S. of, on line between secs. 9 and 16, T. 49 N., R. 12 W., 75 ft. E. of T-rd. E., S. of rd., in 16-in. oak tree; copper nail	873.45
Stephens, at center of crossroads; surface of rd.	853.0
Stephens, 0.5 mi. W. of, 750 ft. W. of center sec. 16, T. 49 N., R. 12 W., N. of rd., in root of 24-in. sycamore tree; copper nail	817.88
Stephens, 0.9 mi. W. of, at bridge over Bear Creek; surface of floor	792.9
Oakland Church, 300 ft. E. of, center sec. 17, T. 49 N., R. 12 W., 300 ft. S. of T-rd. E., W. of rd.; iron post stamped "838"	837.238
Oakland Church, 1.4 mi. W. of, in NW 1/4 sec. 18, T. 49 N., R. 12 W., 60 ft. S. of private rd. to dwelling of A. B. Shepard, E. of rd., 1 ft. W. of fence, in root of cherry tree; copper nail	734.79
Hinton, 1.5 mi. S. of, in SW 1/4 NW 1/4 sec. 13, T. 49 N., R. 13 W., NW. of T-rd. W., in root of walnut tree; copper nail	689.65
Hinton, 1.5 mi. SW. of, near quarter cor. between secs. 11 and 14, T. 49 N., R. 13 W., SW. of T-rd. W.; iron post stamped "777"	776.231
Hinton, 2.5 mi. SW. of, near quarter cor. between secs. 10 and 15, T. 49 N., R. 13 W., SE. of crossroads, in root of oak tree; copper nail	717.85
Hinton, 3.5 mi. SW. of, on line between secs. 9 and 16, T. 49 N., R. 13 W., E. of rd., in 18-in. white-oak tree; copper nail	713.85
Bridge over Perche Creek; surface of floor	609.8
Perche Creek; surface of water on Oct. 28, 1912	589.2
Woodlandville, 6 mi. SE. of, in NW 1/4 sec. 17, T. 49 N., R. 13 W., 25 ft. S. and 50 ft. W. from SW. corner of crossroads; iron post stamped "758"	757.365
Woodlandville, 5 mi. SE. of, in NE 1/4 sec. 18, T. 49 N., R. 13 W., 150 ft. N. of T-rd. S., in root of oak tree; copper nail	664.48
Woodlandville, 3 mi. SE. of, in SW 1/4 sec. 13, T. 49 N., R. 14 W., 600 ft. S. of crossroads, 20 ft. W. of T-rd. S., 1 ft. N. of fence; iron post stamped "617"	616.020
Woodlandville, 2.5 mi. S. of, in S 1/2 sec. 14, T. 49 N., R. 14 W., 5 ft. W. of rd., in root of honey-locust tree; bolt	733.33
5. FROM SEC. 2, T. 51 N., R. 13 W., SOUTH TO BUTLER, THENCE WEST TO HARRISBURG (by D. V. Vandiver in 1905 and P. W. McMillen and E. C. Bibbee in 1912)	
T. 51 N., R. 13 W., quarter cor. between secs. 2 and 11; corner stone	845.75
T. 51 N., R. 13 W., near center sec. 11, 700 ft. NW. of Turner School, E. of rd., in root of 15-in. oak tree; copper nail	831.45
T. 51 N., R. 13 W., near center sec. 11, at T-rd. E.; surface of rd.	810.7
Lick Fork Church, 0.7 mi. NE. of, at rd. forks; surface of rd.	857.5
Lick Fork Church, 0.1 mi. N. of, at rd. forks; surface of rd.	850.3
Lick Fork Church, 150 ft. E. of, E. of rd., in root of 12-in. oak tree; copper nail	852.33
Lick Fork Church, 0.2 mi. S. of, at T-rd. E.; surface of rd.	845.8
T. 51 N., R. 13 W., 460 ft. W. of quarter cor. between secs. 14 and 15, 150 ft. E. of bridge over Lick Fork Creek, N. of rd.; iron post stamped "773"	771.873
T. 51 N., R. 13 W., center sec. 22, 100 ft. S. of T-rd. W., E. of rd., in root of 18-in. oak tree; copper nail	839.59
T. 51 N., R. 13 W., in NW 1/4 sec. 27, at T-rd. S.; surface of rd.	834.4
T. 51 N., R. 13 W., center sec. 27, W. of rd. at rd. corner, in root of 10-in. hickory tree; copper nail	825.52
T. 51 N., R. 13 W., 800 ft. W. of, quarter cor. between secs. 26 and 27, at bridge over Lick Fork Creek; surface of floor	747.7
T. 51 N., R. 13 W., 450 ft. W. of cor. secs. 26, 27, 34, and 35, S. of rd. on W. bank of stream, in root of 24-in. elm tree; copper nail	750.25
T. 51 N., R. 13 W., 0.2 mi. W. of cor. secs. 26, 27, 34, and 35, at rd. corner; surface of rd.	777.4
T. 51 N., R. 13 W., center of NE 1/4 sec. 34, at rd. corner N.-W.; surface of rd.	796.9
T. 51 N., R. 13 W., in NW 1/4 sec. 34, at rd. corner S.-E.; surface of rd.	782.1
T. 51 N., R. 13 W., near W. sixteenth cor. sec. 34, at rd. corner N.-W., S. of rd., in root of 18-in. oak tree; copper nail	812.00
T. 51 N., R. 13 W., quarter cor. between secs. 33 and 34, at rd. corner S.-E. and private rd. N.; surface of rd.	802.3
Ariel Church, 0.4 mi. N. of, at rd. forks; surface of rd.	830.7
Ariel Church, 75 ft. SE. of; iron post stamped "835"	834.549
Ariel Church, 0.9 mi. S. of, at rd. forks; surface of rd.	817.5
T. 50 N., R. 13 W., in NE 1/4 sec. 9, W. of rd. opposite T-rd. E., in root of 12-in. oak tree; copper nail and washer	806.90
Oak Grove School, at rd. forks; surface of rd.	787.7
T. 50 N., R. 13 W., on line between secs. 9 and 16, 100 ft. N. of rd. forks, W. of rd., in root of 24-in. oak tree; copper nail	792.95
Butler, 1.1 mi. SE. of, in E. end of large triangle formed by rd. forks; iron post stamped "770"	769.616
Butler, 140 ft. W. of store, on W. bank of small stream, N. of rd., in root of 10-in. sycamore tree; copper nail	662.65

	<u>Feet</u>
Butler, at bridge over Perche Creek; surface of floor	658.2
Perche Creek, under bridge; surface of water Oct. 5, 1912	643.2
T. 50 N., R. 13 W., on line between secs. 7 and 18, N. of rd., in root of 18-in. oak tree; copper nail	763.14
T. 50 N., R. 14 W., in N 1/2 sec. 13, at T-rd. E.; surface of rd.	829.2
T. 50 N., R. 14 W., 140 ft. N. of cor. secs. 11, 12, 13, and 14, E. of rd., in root of 12-in. oak tree; copper nail	822.70
Harrisburg, 0.6 mi. SE. of, at rd. forks; surface of rd.	826.6
Harrisburg, at NW. corner of cemetery, at rd. forks; surface of rd.	822.8
6. FROM CENTRALIA QUADRANGLE AT SEC. 34, T. 52 N., R. 12 W., WEST AND SOUTH TO STURGEON (by W. R. Broadus in 1927)	
(Continued from Centralia quadrangle; see line 2.)	
Tps. 51 and 52 N., R. 12 W., approximate cor. secs. 3, 4, 33, and 34, S. of rd., on top of S. head wall of concrete culvert; chiseled square	830.06
T. 52 N., R. 12 W., in SE 1/4 SE 1/4 sec. 32, 20 ft. N. and 210 ft. E. from T-rd. S., 20 ft. N. and 55 ft. W. from T-rd. N., in root on SE. side of 30-in. maple tree; copper nail and washer	828.13
7. FROM LUPUS QUADRANGLE AT SEC. 34, T. 49 N., R. 14 W., NORTH AND WEST INTO FAYETTE QUADRANGLE AT SEC. 28, T. 49 N., R. 14 W.	
(by L. V. Johnson in 1930)	
(Continued from Lupus quadrangle; see line 1.)	
T. 49 N., R. 14 W., about 400 ft. N. of cor. secs. 27, 28, 33, and 34, 325 ft. S. of crossroads, 10 ft. W. of rd., on S. end of W. concrete head wall of culvert; chiseled square	792.63
(Continued in Fayette quadrangle; see line 2.)	
8. FROM LUPUS QUADRANGLE NORTHEAST ALONG WABASH RAILWAY TO BROWNS	
(by J. H. Vinyard in 1933)	
(Continued from Lupus quadrangle; see line 2.)	
Switzler, SW. of rd. crossing, in base of crossing signpost; nail	841.41
Stephens, E. of R.R., 5 ft. S. of crossing sign, in line with fence S.; (mark not described)	854.48
9. FROM LUPUS QUADRANGLE AT SEC. 26, T. 49 N., R. 13 W., EAST INTO LUPUS QUADRANGLE AT SEC. 25, T. 49 N., R. 13 W. (by J. H. Vinyard in 1934)	
(Continued from Lupus quadrangle; see line 3.)	
T. 49 N., R. 13 W., near center sec. 26, 300 ft. E. of T-rd. E., N. of rd. at entrance to farmhouse, in root of 18-in. walnut tree; copper nail and washer	729.69
T. 49 N., R. 13 W., near quarter cor. between secs. 25 and 26, in yard of Brown School, on NE. corner of concrete well top; chiseled square	722.09
Columbia, 2.5 mi. N. of, along U.S. Highway 63, 100 ft. W. of junction of rd. W., on S. end of E. abutment of bridge; chiseled square	711.93
(Continued in Lupus quadrangle; see line 3.)	
10. FROM SEC. 4, T. 50 N., R. 12 W., SOUTH TO COUNTY ROUTE D (now State Highway 124), THENCE EAST ALONG COUNTY ROUTE D INTO CENTRALIA QUADRANGLE (by O. D. Williams in 1934)	
T. 50 N., R. 12 W., in W 1/2 sec. 15, 61 ft. N. of highway, 41 ft. E. of fence, in root of 22-in. locust tree; nail	880.25
(Continued in Centralia quadrangle; see line 5.)	
11. FROM STURGEON NORTH INTO MOBERLY QUADRANGLE AT SEC. 33, T. 52 N., R. 12 W. (by O. D. Williams and J. H. Vinyard in 1934)	
Sturgeon, 0.7 mi. N. of, on State Highway 22, on W. end of S. head wall of concrete culvert; chiseled square	833.09
(Continued in Moberly quadrangle; see line 3.)	
12. FROM FAYETTE QUADRANGLE EAST ALONG COUNTY ROUTE C (now State Highway 124) TO HARRISBURG (by B. D. Harsha in 1934)	
(Continued from Fayette quadrangle; see line 3.)	
T. 50 N., R. 14 W., about 660 ft. S. of quarter cor. between secs. 4 and 9, 30 ft. N. of highway at N.-S. fence, at corner fence post, in root on E. side of 24-in. oak tree; copper nail and washer	786.92
T. 50 N., R. 14 W., about 800 ft. S. of quarter cor. between secs. 3 and 10, 36 ft. S. and 33 ft. E. from junction of rd. S., at corner fence post, in root on NW. side of 30-in. oak tree; copper nail and washer	803.83

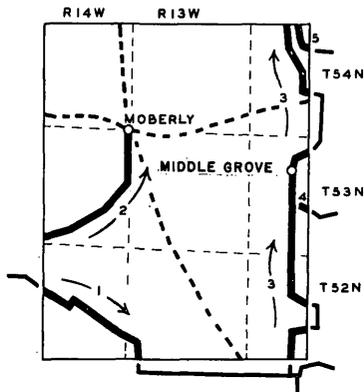
TIE BETWEEN UNITED STATES COAST AND GEODETIC SURVEY SECOND-ORDER LINE AND UNITED STATES GEOLOGICAL SURVEY THIRD-ORDER LINE NEAR STURGEON (by B. A. Barnes in 1935)

T. 51 N., R. 13 W., near center sec. 1, on U.S. Highway 63, 0.5 mi. S. of junction of State Highway 22, 30 ft. N. and 40 ft. W. from cross-road; iron post stamped "869"	<u>Feet</u> 866.225
U.S.C. & G.S. standard disk stamped "V 122 1935"	850.891
Sturgeon, 0.2 mi. W. of Wabash Ry. sta., 60 ft. SW. of rd. crossing; iron post stamped "858"	857.525

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

MOBERLY QUADRANGLE
(Latitude 39°15'-39°30'; longitude 92°15'-92°30')

Audrain, Howard, Monroe, and Randolph Counties



1. FROM HUNTSVILLE QUADRANGLE AT SEC. 17, T. 52 N., R. 14 W., SOUTHEAST INTO STURGEON QUADRANGLE AT SEC. 31, T. 52 N., R. 13 W. (by D. V. Vandiver in 1905)
(Continued from Huntsville quadrangle; see line 1.)

Higbee, 1.1 mi. SE. of, 400 ft. S. of coal mine, 20 ft. E. of spur of Alton R.R. to mine, in root of 24-in. elm tree; copper nail	867.09
T. 52 N., R. 14 W., near center sec. 21, opposite small dwelling, S. of rd., in root of 18-in. oak tree; copper nail	859.55
T. 52 N., R. 14 W., in NW 1/4 sec. 22, 75 ft. E. of bridge over Moniteau Creek, S. of rd., in root of 12-in. elm tree; copper nail	747.58
Oak Grove School, 150 ft. NW. of, 60 ft. E. of crossroads, S. of rd., in root of 24-in. oak tree; copper nail	877.42
Oak Grove School, 1 mi. S. of, opposite dwelling, in root of 20-in. oak tree; copper nail	870.26
Oak Grove School, 2.1 mi. S. of, at rd. fork SW., E. of N.-S. rd., in root of 12-in. oak tree; copper nail	881.41
T. 52 N., Rs. 13 and 14 W., near cor. secs. 25, 30, 31, and 36, E. of Hardin Creek, 60 ft. S. of bridge, in root of 24-in. elm tree; copper nail	746.14
Rucker, 2.5 mi. NW. of, 100 ft. E. of bridge over Perche Creek, N. of rd., in root of 10-in. ash tree; copper nail	739.10

(Continued in Sturgeon quadrangle; see line 4.)

2. FROM HUNTSVILLE QUADRANGLE NORTHEAST ALONG MISSOURI-KANSAS-TEXAS RAILROAD TO MOBERLY (by D. V. Vandiver in 1905)

Elliott, 700 ft. N. of sta., on NW. base of foundation stone of culvert; aluminum tablet stamped "1905 857 Adj"	855.876
Moberly, at Wabash Ry. sta., 4 ft. N. of S. edge of foundation of express office; aluminum tablet stamped "1905 872 Adj"	871.110

3. FROM STURGEON QUADRANGLE AT SEC. 33, T. 52 N., R. 12 W., NORTH INTO MACON QUADRANGLE AT SEC. 6, T. 54 N., R. 12 W. (by O.D. Williams and J. H. Vinyard in 1934) (Continued from Sturgeon quadrangle; see line 1.)	
Sturgeon, 2 mi. N. of, near N. sixteenth cor. sec. 33, T. 52 N., R. 12 W., 540 ft. N. of Alton R.R., on S. end of W. head wall of concrete culvert; chiseled square	Feet 820.43
Sturgeon, 3 mi. N. of, near N. sixteenth cor. sec. 28, T. 52 N., R. 12 W., 30 ft. S. and 29 ft. E. from T-rd. S., in concrete post; standard tablet	821.259
Reference mark, W. of tablet, in root of 20-in. elm tree; copper nail and washer	821.46
Sturgeon, 3 mi. N. and 0.5 mi. E. from, N. sixteenth cor. between secs. 27 and 28, T. 52 N., R. 12 W., at T-rd. N., in corner fence post; copper nail and washer	847.57
Sturgeon, 3.7 mi. N. and 0.5 mi. E. from, near quarter cor. between secs. 21 and 22, T. 52 N., R. 12 W., E. of rd., in root of 36-in. oak tree; copper nail and washer	834.24
(For balance in Madison quadrangle, see line 1.)	
T. 52 N., R. 12 W., near cor. secs. 9, 10, 15, and 16, on N. corner of bottom step of entrance to Pleasant Grove Church; chiseled square	838.53
T. 52 N., R. 12 W., 567 ft. E. of quarter cor. between secs. 8 and 17, 27 ft. S. and 37 ft. W. from crossroads, in concrete post; standard tablet stamped "71 C W A 1934"	849.632
Reference mark, 50 ft. S. of tablet, at fence post, in stump of triple locust tree; copper nail and washer	848.69
T. 52 N., R. 12 W., near center sec. 8, about 500 ft. S. of rd. E., at fence post, in stump of twin elm tree; copper nail and washer	847.85
T. 52 N., R. 12 W., near quarter cor. between secs. 8 and 9, at rd. N., in root of 40-in. black-oak tree; copper nail and washer	834.66
T. 52 N., R. 12 W., near quarter cor. between secs. 4 and 5, E. of rd. in front of farmhouse, in root of 30-in. black-oak tree; copper nail and washer	823.29
Tps. 52 and 53 N., R. 12 W., near cor. secs. 4, 5, 32, and 33, at jog in rd., in base of fence post; nails	837.45
T. 53 N., R. 12 W., cor. secs. 28, 29, 32, and 33, 71 ft. N. and 30 ft. E. from T-rd. N., 71 ft. N. and 70 ft. W. from T-rd. S., in concrete post; standard tablet stamped "62 C W A 1934"	783.855
Reference mark, 100 ft. from tablet, on top of E. end of S. rail of bridge; chiseled cross	787.66
Middle Grove, 3 mi. S. of, on line between secs. 28 and 29, T. 53 N., R. 12 W., 0.2 mi. N. of Audrain-Monroe county line, at T-rd. W., in root of 24-in. hickory tree; copper nail and washer	823.84
Middle Grove, 1.7 mi. S. of, near quarter cor. between secs. 20 and 21, T. 53 N., R. 12 W., 250 ft. N. of T-rd. R., in root of 24-in. black-oak tree; copper nail and washer	830.57
Middle Grove, 0.7 mi. S. of, near quarter cor. between secs. 16 and 17, T. 53 N., R. 12 W., opposite farmhouse, N. of rd., in root of 30-in. oak tree; copper nail and washer	815.08
Middle Grove, 250 ft. E. of main street intersection, 25 ft. N. of rd. to Madison, in concrete post; standard tablet stamped "57 C W A 1934"	783.777
Reference mark, about 50 ft. E. of tablet, in root of 36-in. elm tree; copper nail and washer	780.03
Middle Grove, at E. end of bottom angle of S. rail of bridge; (mark not described)	762.27
(For balance in Madison quadrangle, see line 1.)	
T. 54 N., R. 12 W., near center sec. 16, N. of U.S. Highway 24, in root of 30-in. maple tree; copper nail and washer	811.69
T. 54 N., R. 12 W., near quarter cor. between secs. 16 and 17, N. of U.S. Highway 24, on E. head wall of culvert; chiseled square	801.28
T. 54 N., R. 12 W., near quarter cor. between secs. 8 and 9, 800 ft. S. of T-rd. E., S. of rd. in front of farmhouse, in root of 24-in. maple tree; copper nail and washer	804.69
T. 54 N., R. 12 W., in NE 1/4 sec. 8, on S. foundation of bridge over Flat Creek; top of W. end of channel	726.20
T. 54 N., R. 12 W., near quarter cor. between secs. 5 and 8, about 75 ft. NE. of rd. corner N.-E., in pasture, in 24-in. ash tree; copper nail and washer	796.09
T. 54 N., R. 12 W., center sec. 5, 35 ft. N. and 25 ft. W. from T-rd. W., in concrete post; standard tablet stamped "57 C W A 1934"	805.119
Reference mark, 15 ft. S. of tablet, in root of 36-in. oak tree; copper nail and washer	804.06
4. FROM MADISON QUADRANGLE AT SEC. 21, T. 53 N., R. 12 W., NORTHWEST TO MIDDLE GROVE (by B. A. Barnes in 1935) (Continued from Madison quadrangle; see line 2.)	
T. 53 N., R. 12 W., near center sec. 21, at top of hill, in front of Payee dwelling, in base of corner fence post; spike	827.79

5. FROM MACON QUADRANGLE AT SEC. 6, T. 5 $\frac{1}{2}$ N., R. 12 W., SOUTHEAST ALONG U.S. HIGHWAY 2 $\frac{1}{2}$ INTO MADISON QUADRANGLE (by Cornish Beck in 1936)

T. 5 $\frac{1}{2}$ N., R. 12 W., near quarter cor. between secs. 8 and 9, 70 ft. N. and 20 ft. W. from rd. fork NW., in root on SW. side of 18-in. white-oak tree; copper nail and washer
U.S.C. & G.S. standard disk stamped "U 123 1935"

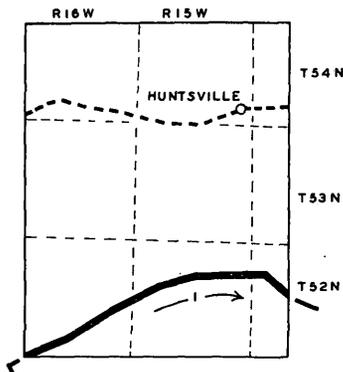
Feet
800.48
812.193

(Continued in Madison quadrangle; see line 5.)

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

HUNTSVILLE QUADRANGLE
(Latitude 39°15'-39°30'; longitude 92°30'-92°45')

Chariton, Howard, and Randolph Counties



1. FROM FAYETTE QUADRANGLE NORTHEAST ALONG ALTON RAILROAD INTO MOBERLY QUADRANGLE (by D. V. Vandiver in 1905)
(Continued from Glasgow quadrangle; see line 1.)

Armstrong, 100 ft. S. of sta., in SW. corner of stone curb of platform; aluminum tablet stamped "1905 832 Adj"
Howard-Randolph county line, 0.2 mi. W. of, 0.2 mi. E. of milepost Chicago 368 St. Louis 199, in NE. corner of concrete foundation of bridge D-3677; aluminum tablet stamped "1905 835 Adj"
Yates, 0.8 mi. E. of, 20 ft. N. of R.R., at bottom of 20-ft. embankment, in top of second culvert stone from end; aluminum tablet stamped "1905 816 Adj"
Higbee, in NW. corner of jewelry store of C. W. Williams; aluminum plug (formerly stem of aluminum tablet)

830.342
833.587
814.235
884.977

(Continued in Moberly quadrangle; see line 1.)

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

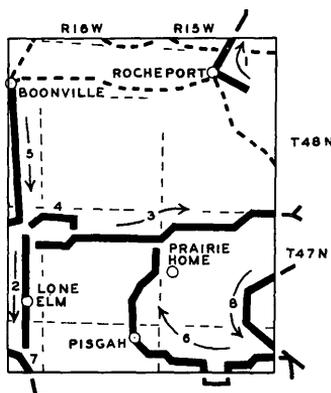
	<u>Feet</u>
T. 50 N., R. 16 W., about 600 ft. E. of W. sixteenth cor. sec. 9, about 200 ft. N. of gate to farm of I. E. Manion, N. of rd., in root on S. side of 24-in. oak tree; copper nail	820.13
T. 50 N., R. 16 W., near center sec. 9, 25 ft. N. and 42 ft. W. from NW. corner of dwelling of T. V. Teller, 40 ft. S. of rd., 3 ft. E. of fence, in concrete post; standard tablet stamped "3 H 1934"	812.109
T. 50 N., R. 16 W., near quarter cor. between secs. 9 and 10, at abrupt drop, in line with fence post E. of rd.; surface of rd.	722.2
T. 50 N., R. 16 W., near center sec. 10, 18 ft. N. and 48 ft. W. from bridge over Adam Creek, in root on S. side of 30-in. elm tree; copper nail and washer	655.55
Fayette, at NE. corner of Linn and Morrison Streets, 10 ft. N. of N. end of steps to post office, in concrete post; standard tablet stamped "4 H 1934"	699.717
Reference mark, at NE. corner of stone retaining wall around courthouse yard, about 2 in. above surface of sidewalk, in limestone block marked "Datum 200 ft."; iron rod	707.920 661.5
Fayette, in front of Missouri-Kansas-Texas R.R. sta., top of E. rail	
T. 50 N., R. 16 W., near quarter cor. between secs. 12 and 13, 100 ft. S. of junction of State Highway 240, on W. end of N. concrete abutment of bridge over Bonne Femme Creek; chiseled square	655.27
T. 50 N., R. 15 and 16 W., near quarter cor. between secs. 7 and 12, 155 ft. N. and 65 ft. E. from junction of rd. N., in root on S. side of 14-in. walnut tree; copper nail	704.96
T. 50 N., R. 15 W., center sec. 7, about 900 ft. W. of junction of rd. N., on center of N. head wall of concrete culvert; chiseled square	649.15
T. 50 N., R. 15 W., about 0.1 mi. W. of quarter cor. between secs. 7 and 8, at high point opposite telephone pole S. of highway; surface of highway	742.9
T. 50 N., R. 15 W., in W 1/2 sec. 8, 52 ft. E. of NE. corner of Deatherage School, 23 ft. W. of rd., in concrete post; standard tablet stamped "5 H 1934"	730.280
T. 50 N., R. 15 W., quarter cor. between secs. 8 and 9, W. of crossroad, on SW. corner of S. head wall of concrete culvert over Doe Creek; chiseled square	700.35
T. 50 N., R. 15 W., quarter cor. between secs. 9 and 10, at junction of rd. S., 36 ft. N. of NE. corner of church, 72 ft. S. of highway, in root on NW. side of 30-in. maple tree; copper nail and washer	787.32
T. 50 N., R. 15 W., near center sec. 10, at bottom of dip, 25 ft. S. of highway, in fence corner, in root on NE. side of lone 10-in. cottonwood tree; copper nail	710.34
T. 50 N., R. 15 W., near W. sixteenth cor. sec. 11, 21 ft. E. of NE. corner of Oakdale School, 500 ft. S. and 55 ft. W. from junction of rd. S., in concrete post; standard tablet stamped "6 H 1934"	701.649
T. 50 N., R. 15 W., near quarter cor. between secs. 11 and 12, about 0.2 mi. W. of junction of rd. N., on N. head wall of concrete culvert; chiseled square	658.29
T. 50 N., R. 15 W., near center sec. 12, on N. end of W. concrete abutment of bridge over Hungry Creek; chiseled square	657.25
T. 50 N., R. 14 W., near N. sixteenth cor. sec. 7, 180 ft. S. and 95 ft. W. from junction of rd. N., in NE. corner of field, in root on NE. side of 30-in. elm tree; copper nail and washer	673.54
T. 50 N., R. 14 W., 250 ft. W. of quarter cor. between secs. 5 and 8, 0.2 mi. E. of bridge over Monticau Creek, 100 ft. N. of new highway, 23 ft. S. of old highway, 10 ft. N. and 4 ft. W. from W. gatepost, 3 ft. S. and 14 ft. E. from lone 24-in. elm tree, in concrete post; standard tablet stamped "7 H 1934"	651.340

(Continued in Sturgeon quadrangle; see line 12.)

4. FROM SEC. 8, T. 50 N., R. 14 W., SOUTH TO SEC. 20, T. 50 N., R. 14 W. (by B. D. Harsha in 1934)	
T. 50 N., R. 14 W., near quarter cor. between secs. 8 and 17, 17 ft. N. and 180 ft. E. from corner post at cross fences, in root on S. side of 22-in. elm tree; copper nail and washer	760.37
T. 50 N., R. 14 W., center sec. 17, 20 ft. N. and 22 ft. E. from fence corner, 200 ft. E. of E.-W. rd., in root on W. side of 10-in. elm tree; notch	710.72
T. 50 N., R. 14 W., about 900 ft. N. of quarter cor. between secs. 17 and 20, about 250 ft. S. and 50 ft. E. from corner post at T-fence N., 12 ft. W. of wagon trail, in pasture, in root on E. side of 10-in. locust tree; copper nail and washer	694.21
T. 50 N., R. 14 W., about 600 ft. W. of N. sixteenth cor. sec. 20, 12 ft. S. of fence, in root on NW. side of 18-in. elm tree; notch	720.94
T. 50 N., R. 14 W., about 400 ft. E. of center sec. 20, 20 ft. N. and 220 ft. W. from rd. fork SW., 2 ft. N. and 2 ft. E. from fence corner; iron post stamped "Prim Trav Sta No 4 1912 Mo"	781.915

For an additional level line along U.S. Highway 40, refer to United States Coast and Geodetic Survey second-order line, Lupus to Centralia.

BOONVILLE QUADRANGLE
(Latitude $38^{\circ}45'13.9''00'$; longitude $92^{\circ}30'1-92^{\circ}45'$)
Boone, Cooper, Howard, and Moniteau Counties



1. FROM POINT 3 MILES DOWNSTREAM FROM ROCHEPORT NORTHWEST TO ROCHEPORT, THENCE NORTH INTO FAYETTE QUADRANGLE AT SEC. 31, T. 49 N., R. 14 W. (by D. V. Vandiver in 1905)

	<u>Feet</u>
U.S.C.E. B.M. designated "132"	
Copper bolt	576.009
Top of cap	580.071
Old Overton, 2 mi. SE. of, at lane to dwelling of Gilbert Karles, 15 ft. S. of rd., in root of 24-in. honey-locust tree; copper nail	580.75
Old Overton, 1,000 ft. S. of river, at SE. corner of T-rd., in root of large maple tree; copper nail	587.08
Missouri River at Rocheport; surface of water Nov. 13, 1912	567.3
Rocheport, 20 ft. N. of Missouri-Kansas-Texas R.R., at entrance to Funk Hotel, on SE. corner of concrete sidewalk; chiseled square	591.10
Rocheport, 0.9 mi. NE. of, near center sec. 1, T. 48 N., R. 15 W., 150 ft. W. of junction of Hamburg rd. and gravel pike, on limestone ledge; chiseled square	581.51

(Continued in Fayette quadrangle; see line 1.)

2. FROM SEC. 11, T. 47 N., R. 17 W., SOUTH BY WAY OF LONE ELM TO SEC. 13, T. 46 N., R. 17 W. (by J. H. Vinyard in 1934)

T. 47 N., R. 17 W., E. sixteenth cor. sec. 11, about 0.8 mi. W. of junction of Lone Elm rd., N. of 30 ft. jog in rd., 6 ft. W. of N. gatepost at entrance to farm of Ernest Aldridge, in concrete post; U.S.C. & G.S. and State Survey standard tablet	808.046
T. 47 N., R. 17 W., quarter cor. between secs. 11 and 12, 0.5 mi. W. of Lone Elm rd., 18 ft. N. and 4 ft. W. from rd. at N.-S. fences, 3 ft. N. and 4 ft. W. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "12 P"	802.514
T. 47 N., R. 17 W., near quarter cor. between secs. 12 and 13, about 500 ft. N. of T-rd. N., W. of rd., in root of 12-in. tree; spike	791.44
T. 47 N., R. 17 W., near W. sixteenth cor. sec. 13, E. of rd., in root of 18-in. ash tree; spike	797.49
Lone Elm, near center of SW 1/4 sec. 24, T. 47 N., R. 17 W., in yard of Zion Lutheran Church, in N. concrete carriage block; standard tablet stamped "T 19 C W A 1934"	845.103
Lone Elm, 0.8 mi. S. of, near W. sixteenth cor. sec. 25, T. 47 N., R. 17 W., E. of rd., in root of 18-in. elm tree; copper nail and washer	849.75
Lone Elm, 2.3 mi. S. of, in SW 1/4 sec. 36, T. 47 N., R. 17 W., 100 ft. W. of County Route J at rd. N., on E. end of N. head wall of concrete culvert; chiseled square	854.35
T. 46 N., R. 17 W., near quarter cor. between secs. 11 and 12, in school-yard, on concrete well top; chiseled square	845.38

3. FROM SEC. 12, T. 47 N., R. 17 W., EAST INTO LUPUS QUADRANGLE AT SEC. 31, T. 48 N., R. 14 W. (by J. H. Vinyard in 1934)

T. 47 N., R. 16 W., near quarter cor. between secs. 7 and 18, at gatepost, in root of 24-in. black-oak tree; copper nail and washer	757.95
T. 47 N., R. 16 W., on line between secs. 8 and 17, 500 ft. N. of rd. corner N-W., E. of rd., in root of twin 36-in. elm trees; copper nail and washer	740.28
T. 47 N., R. 16 W., in NE 1/4 sec. 8, 0.5 mi. W. of Lutheran Church, at T-rd. S., on E. head wall of concrete culvert; chiseled square	677.78

	<u>Feet</u>
T. 47 N., R. 16 W., W. sixteenth cor. sec. 9, near Trinity Lutheran Church, at T-rd. S., on head wall of culvert; chiseled square	750.70
T. 47 N., R. 16 W., 0.1 mi. E. of quarter cor. between secs. 9 and 10, 0.8 mi. E. of Trinity Lutheran Church, at top of steep hill, in stump of twin 48-in. oak tree; copper nail and washer	718.91
T. 47 N., R. 16 W., near quarter cor. between secs. 10 and 11, 1 mi. W. of New Salem School, at gate to farm, in root of 20-in. elm tree; copper nail and washer	669.74
Prairie Home, 3 mi. NW. of, along State Highway 87, in SE. corner of yard of New Salem School, 25 ft. N. and 175 ft. E. from crossroad, 4 ft. N. and 6 ft. W. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "21 C W A 1934"	790.766
T. 47 N., R. 16 W., 0.3 mi. E. of center sec. 12, 0.8 mi. E. of New Salem School, 15 ft. E. of gate to farm, N. of rd., on flat rock; chiseled square	769.17
T. 47 N., Rs. 15 and 16 W., 600 ft. E. (W. ?) of quarter cor. between secs. 7 and 12, 1 mi. E. of New Salem School, 0.2 mi. E. of farmhouse on N. side of rd., in creek bottom, in root of twin walnut tree; copper nail and washer	709.26
T. 47 N., Rs. 15 and 16 W., quarter cor. between secs. 7 and 12, at top of steep hill, in root of 20-in. white-oak tree; copper nail and washer	761.76
T. 47 N., R. 15 W., in NW 1/4 sec. 8, 60 ft. S. and 90 ft. E. from T-rd. S., in root of 15-in. white-oak tree; copper nail and washer	789.08
T. 47 N., R. 15 W., near quarter cor. between secs. 5 and 8, SE. of T-rd. E., in telephone pole; nails	796.97
T. 47 N., R. 15 W., in SE 1/4 sec. 5, 0.3 mi. E. of T-rd. N., on N. head wall of culvert; chiseled square	695.28
T. 47 N., R. 15 W., in NW 1/4 sec. 9, in front yard of farmhouse of Mrs. Farris, in root of 18-in. maple tree; copper nail and washer	756.55
T. 47 N., R. 15 W., in SE 1/4 sec. 4, at foot of hill, 12 ft. N. and 22 ft. E. from center of triangle formed by rd. forks, 3 ft. N. and 3 ft. E. from sign marked "Pleasant Grove Evangelical Church 1/2 Mile", in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "22 C W A 1934"	679.342
Reference mark, 50 ft. N. of tablet, on E. head wall of culvert; chiseled square	675.75
Lupus, 6.5 mi. W. of, in SW 1/4 sec. 3, T. 47 N., R. 15 W., 0.2 mi. W. of crossroads, in front of farmhouse of Mrs. Mary Whalen, S. of rd., in root of 12-in. cottonwood tree; copper nail and washer	842.45
Lupus, 5.8 mi. W. of, in SE 1/4 sec. 3, T. 47 N., R. 15 W., 0.5 mi. E. of crossroads, 200 ft. E. of rd. corner, S. of rd., in root of 48-in. oak tree; copper nail and washer	823.59
Lupus, about 4.3 mi. NW. of, in S 1/2 sec. 36, T. 48 N., R. 15 W., 0.5 mi. W. of crossroads, at old Renfrow store, 46 ft. S. of rd., on property of Mrs. Clara Hackseman, in concrete well top; standard tablet stamped "23 C W A 1935"	799.390
Reference mark, 150 ft. W. of tablet, in root of 18-in. elm tree; copper nail and washer	794.60

(Continued in Lupus quadrangle; see line 7.)

4. FROM SEC. 5, T. 47 N., R. 16 W., WEST TO SEC. 12, T. 47 N., R. 17 W. (by J. H. Vinyard in 1934)

T. 47 N., R. 16 W., in SE 1/4 sec. 5, 1 mi. NW. of Trinity Lutheran Church, in N. wing wall of E. abutment of bridge over Little Clarks Fork Creek; standard tablet stamped "20 C W A 1934"	632.836
T. 47 N., R. 16 W., 0.2 mi. W. of center sec. 5, about 2 mi. E. of Lone Elm rd., 0.1 mi. W. of T-rd. N., at bottom of hill, on S. head wall of culvert; chiseled square	650.27
T. 47 N., R. 16 W., near center sec. 6, 1.2 mi. E. of Lone Elm rd., 0.1 mi. E. of 500 ft. jog in rd., on S. head wall of culvert; chiseled square	723.47
T. 47 N., Rs. 16 and 17 W., about 0.2 mi. E. of quarter cor. between secs. 1 and 6, 0.7 mi. E. of Lone Elm rd., on N. edge of bridge over branch; chiseled square	711.76
T. 47 N., Rs. 16 and 17 W., near quarter cor. between secs. 1 and 6, 0.5 mi. E. of Lone Elm rd., at entrance to farm of I. Hosp. N. of rd., at gatepost, in root of 30-in. wild-cherry tree; copper nail and washer	746.54
T. 47 N., R. 17 W., center sec. 1, 300 ft. S. of T-rd., on W. head wall of culvert; chiseled square	756.37

5. FROM BOONVILLE SOUTH TO SEC. 12, T. 47 N., R. 17 W., THENCE WEST INTO PILOT GROVE QUADRANGLE AT SEC. 11, T. 47 N., R. 17 W. (by B. A. Barnes in 1934)

U.S.C.E. B.M. designated "141"	595.511
U.S.C.E. B.M. designated "142=40 1/2 Boonville"	598.910
Copper bolt	594.838
Top of cap	598.910
Boonville, at S. limits of, on property of Ernest Schlotzhaver, E. of old State Highway 5, 185 ft. S. of street intersection, 2 ft. S. and 2 ft. E. from corner of garden fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet	772.090
Boonville, about 0.6 mi. S. of, in E 1/2 sec. 2, T. 48 N., R. 17 W., 2 ft. W. of N. post of gate at driveway to farm of D. G. Davis, in concrete post; U.S.C. & G.S. and State Survey standard tablet	759.588

	<u>Feet</u>
Boonville, 4 mi. S. of, along Lone Elm rd., 290 ft. E. of rd. junction, 3 ft. N. and 3 ft. W. from tree at N. end of hedge, N. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	667.505
Boonville, about 4.2 mi. S. of, along Lone Elm rd., about 0.2 mi. S. of rd. junction, in grove of large oak trees at top of hill, 40 ft. E. of rd., 3 ft. S. and 10 ft. W. from twin 30-in. oak tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet	659.659
Boonville, about 5 mi. S. of, along Lone Elm rd., 0.3 mi. S. of bridge, 160 ft. E. of rd., in root of 48-in. walnut tree; spike	615.28
Boonville, about 6 mi. S. of, along Lone Elm rd., 25 ft. N. of NE. corner of Mount Herman Baptist Church, 20 ft. W. of rd., 5 ft. E. of telegraph pole, in concrete post; U.S.C. & G.S. and State Survey standard tablet	762.299
Boonville, 6.5 mi. S. of, along Lone Elm rd., 0.5 mi. S. of Mount Herman Baptist Church, 20 ft. N. of E. gatepost at entrance to farm of C. G. Bouer, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "10 F"	766.131

(Continued in Pilot Grove quadrangle; see line 2.)

6. FROM LUPUS QUADRANGLE AT SEC. 6, T. 46 N., R. 14 W., WEST AND NORTH BY WAY OF PISGAH TO POINT 2.5 MILES NORTHWEST OF PRAIRIE HOME (by A. L. Detweiler in 1934)

(Continued from Lupus quadrangle; see line 9.)

T. 46 N., R. 15 W., in NE 1/4 sec. 12, 700 ft. N. of large barn, 100 ft. S. of branch, at well, in root of 36-in. black-oak tree; nail	768.55
T. 46 N., R. 15 W., in SW 1/4 sec. 12, 400 ft. W. of small farmhouse, at intersection of two small branches, in root on N. side of 20-in. walnut tree; copper nail and washer	674.57
T. 46 N., R. 15 W., in SW 1/4 sec. 11, 0.7 mi. E. of Elliot School, 100 ft. W. of Howard Creek, at foot of ravine, in root on S. side of 48-in. elm tree; copper nail and washer	603.62
Jamestown, 1 mi. S. and 3.5 mi. W. from, near quarter cor. between secs. 10 and 15, T. 46 N., R. 15 W., in S. part of yard of Elliot School, in concrete post; standard tablet stamped "T T 22 C W A 1934"	711.277

(For balance in California quadrangle, see line 6.)

T. 46 N., R. 15 W., near quarter cor. between secs. 8 and 17, 0.2 mi. N. of Moniteau River, about 0.2 mi. E. of dwelling, 80 ft. E. of small creek, on SW. end of concrete culvert; chiseled square	614.47
T. 46 N., R. 15 W., near center sec. 7, 150 ft. W. of T-rd. N., opposite T-rd. S., in NW. head wall of culvert; standard tablet stamped "27 C W A 1934"	815.803
T. 46 N., R. 16 W., in W 1/2 sec. 12, on NW. corner of siding, at W. end of bridge over Pisgah Creek; chiseled square	683.90
Pisgah, 0.5 mi. S. of, at pump sta., at NE. corner of engine house, on E. end of step; chiseled square	814.20
Pisgah, near quarter cor. between secs. 2 and 3, T. 46 N., R. 16 W., on bottom step of Pisgah Baptist Church; chiseled square	857.53
Pisgah, 0.5 mi. N. of, N. cor. secs. 2 and 3, T. 46 N., R. 16 W., 105 ft. E. of rd. N., 36 ft. E. of rd. corner S.-W., in NW. corner of field, in concrete post; standard tablet stamped "T T 28 C W A 1934"	871.034
Pisgah, 1.5 mi. N. of, cor. secs. 26, 27, 34, and 35, T. 47 N., R. 16 W., at rd. junction, on W. end of culvert; chiseled square	865.17
T. 47 N., R. 16 W., in sec. 26, in schoolyard, on base of flagpole; chiseled square	857.39
T. 47 N., R. 16 W., cor. secs. 23, 24, 25, and 26, at T-rd. S., in S. side of gatepost; spike	819.83
T. 47 N., R. 16 W., quarter cor. between secs. 24 and 25, on SW. corner of concrete base of corner fence post; chiseled square	839.82
T. 47 N., R. 16 W., in sec. 13, 0.5 mi. S. of State Highway 87, W. of rd., in gatepost; nail	834.89

7. FROM PILOT GROVE QUADRANGLE AT SEC. 14, T. 46 N., R. 17 W., EAST AND SOUTH INTO CALIFORNIA QUADRANGLE AT SEC. 13, T. 46 N., R. 17 W. (by J. H. Vinyard and P. A. Castle in 1934)

(Continued from Pilot Grove quadrangle; see line 1.)

Cotton, 1.5 mi. N. and 1.5 mi. W. from, 20 ft. N. and 15 ft. E. from stone at quarter cor. between secs. 13 and 14, T. 46 N., R. 17 W., 5 ft. N. and 20 ft. E. from T-rd. W., in concrete post; standard tablet stamped "T T 18 C W A 1934"	832.271
Reference mark, 0.3 mi. N. of, tablet, at T-rd. E., on N. head wall of stone culvert; chiseled square	826.16
T. 46 N., R. 17 W., about 1,000 ft. S. of quarter cor. between secs. 12 and 13, at top of hill, N. of rd., in root of tree; copper nail and washer	833.91

(Continued in California quadrangle; see line 9.)

8. FROM LUPUS QUADRANGLE SOUTHWEST ALONG COUNTY ROUTE P TO JUNCTION OF STATE HIGHWAY 87, THENCE SOUTHEAST ALONG STATE HIGHWAY 87 INTO LUPUS QUADRANGLE (by Charles E. Hunter in 1937)
(Continued from Lupus quadrangle; see line 10.)

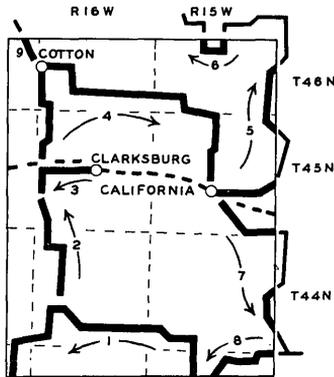
	<u>Feet</u>
T. 47 N., R. 15 W., 600 ft. E. of quarter cor. between secs. 13 and 24, 25 ft. N. and 15 ft. E. from junction of rd. N., in base on NW. side of corner fence post; spike	831.08
T. 47 N., R. 15 W., near center sec. 24, 50 ft. N. and 15 ft. W. from junction of rd. W., on W. end of iron pipe culvert; painted square	806.24
T. 47 N., R. 15 W., near quarter cor. between secs. 24 and 25, 200 ft. N. and 90 ft. W. from crossroad, in root on NE. side of 20-in. hickory tree; copper nail and washer	814.24
T. 47 N., R. 15 W., near quarter cor. between secs. 24 and 25, 30 ft. N. and 240 ft. W. from old crossroad, in root on E. side of 12-in. hickory tree; copper nail and washer	823.90
T. 47 N., R. 15 W., near E. sixteenth cor. sec. 25, 10 ft. N. and 30 ft. E. from crossroad, on center of N. head wall of concrete culvert; chiseled square	847.13
T. 47 N., R. 14 W., near W. quarter cor. sec. 31, 65 ft. N. and 125 ft. W. from junction of rd. NW.; in root on NE. side of 14-in. wild-cherry tree; copper nail and washer	874.05

(Continued in Lupus quadrangle; see line 10.)

For additional level lines along south bank of Missouri River and U.S. Highway 40, refer to United States Coast and Geodetic Survey first-order line, Jefferson City to Kansas City; and second-order line, Lupus to Centralia.

CALIFORNIA QUADRANGLE
(Latitude 38°30'-38°45'; longitude 92°30'-92°45')

Cooper, Moniteau, and Morgan Counties



1. FROM ELDON QUADRANGLE NORTH ALONG STATE HIGHWAY 87 TO SEC. 33, T. 44 N., R. 15 W., THENCE WEST AND SOUTH ALONG ROADS INTO ELDON QUADRANGLE AT SEC. 12, T. 43 N., R. 17 W. (by C. P. Thompson in 1934)

High Point, 2 mi. NE. of, near E. sixteenth cor. between secs. 4 and 9, T. 43 N., R. 15 W., 12 ft. N. and 31 ft. E. from junction of rd. W., 12 ft. N. of fence corner, in root on W. side of 24-in. elm tree; copper nail and washer	904.85
High Point, 3 mi. NE. of, near E. sixteenth cor. on N. line sec. 4, T. 43 N., R. 15 W., 60 ft. N. and 90 ft. W. from junction of rd. E., on property of Roy and Oscar Porter, 12 ft. S. of NE. corner of garden, in root on E. side of 18-in. elm tree; copper nail and washer	869.14
High Point, 3.6 mi. NE. of, near center sec. 33, T. 44 N., R. 15 W., 410 ft. N. of crossroad, 15 ft. W. of highway, in S. end of W. head wall of concrete culvert; steel rivet	791.88
T. 44 N., R. 15 W., near W. sixteenth cor. sec. 32, 17 ft. W. of T-rd. E., 2 ft. N. of fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1580 C W A 1934"	828.715
T. 44 N., R. 15 W., in NE 1/4 sec. 31, 98 ft. N. and 21 ft. W. from NW. corner of farmhouse of W. L. Kelsay, 18 ft. S. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1581 C W A 1934"	864.762
Reference mark, 30 ft. N. and 60 ft. W. from tablet, in root on S. side of 24-in. oak tree; copper nail and washer	863.59

	<u>Feet</u>
T. 44 N., R. 15 W., near NW. cor. sec. 31, 210 ft. E. of T-rd., 10 ft. S. of rd., on S. head wall of concrete culvert; chiseled square	828.52
T. 44 N., R. 16 W., in NW 1/4 sec. 36, about 100 ft. S. and 100 ft. W. from SW. corner of farmhouse of Marvin H. Crawford, 20 ft. N. of rd., in fence corner, in root on S. side of 20-in. elm tree; copper nail and washer	857.74
Latham, 5 mi. SE. of, in NW 1/4 sec. 36, T. 44 N., R. 16 W., on property of Marvin H. Crawford, 83 ft. N. of rd., 15 ft. N. of gate to pasture, 1 ft. W. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1582 C W A 1934"	886.211
Latham, 4.6 mi. SE. of, in NE 1/4 sec. 35, T. 44 N., R. 16 W., 70 ft. N. and 19 ft. E. from rd. junction, on property of Marvin H. Crawford, 1 ft. E. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1583 C W A 1934"	907.337
Reference mark, 55 ft. S. and 36 ft. W. from tablet, in root on N. side of 10-in. hedge tree; copper nail and washer	904.35
Latham, 3.7 mi. SE. of, 60 ft. N. and 9 ft. W. from quarter cor. between secs. 34 and 35, T. 44 N., R. 16 W., 200 ft. S. of T-rd. E., 640 ft. N. of T-rd. W., on N. end of W. concrete head wall of iron pipe culvert; chiseled square	897.04
Latham, 2.9 mi. SE. of, center sec. 34, T. 44 N., R. 16 W., 669 ft. W. of junction of rd. N., 20 ft. N. of rd., 2 ft. N. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1584 C W A 1934"	883.581
Reference mark, 71 ft. E. of tablet, in fence corner, on large boulder; chiseled mark	882.70
Latham, 2.5 mi. S. of, quarter cor. between secs. 33 and 34, 33 ft. N. and 99 ft. E. from T-rd. E., 57 ft. S. and 15 ft. E. from SE. corner of Inglesbrook farmhouse, 27 ft. SE. of 8-in. maple tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1585 C W A 1934"	935.183
Latham, 1.5 mi. S. of, in SE 1/4 sec. 28, T. 44 N., R. 16 W., 18 ft. N. and 105 ft. W. from crossroads, in SW. corner of yard, in root on N. side of 12-in. hedge tree; copper nail and washer	892.71
Latham, 1.5 mi. S. and 1 mi. W. from, in SE 1/4 sec. 29, T. 44 N., R. 16 W., 16 ft. N. and 44 ft. E. from T-rd. E., 24 ft. E. of SW. corner of cemetery, 1.5 ft. N. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1586 C W A 1934"	911.394
Latham, 3 mi. SW. of, about 660 ft. S. of center sec. 29, T. 44 N., R. 16 W., 25 ft. S. and 18 ft. W. from junction of rd. E., at top of hill, 2 ft. W. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1578 C W A 1934"	906.392
Latham, 3.7 mi. SW. of, near W. sixteenth cor. between secs. 29 and 32, T. 44 N., R. 16 W., 29 ft. N. and 24 ft. E. from T-rd. N., in root on NW. side of 22-in. elm tree; copper nail and washer	824.32
Latham, 4.2 mi. SW. of, in NE 1/4 sec. 31, T. 44 N., R. 16 W., 114 ft. S. and 100 ft. E. from T-rd. E., 228 ft. N. of Hazel Dell School, in root on NW. side of 30-in. oak tree; copper nail and washer	870.26
Latham, 5.4 mi. SW. of, in SE 1/4 sec. 31, T. 44 N., R. 16 W., 365 ft. S. of farmhouse of Mrs. D. L. Hofsetter, 24 ft. N. and 24 ft. E. from T-rd. E., 84 ft. N. and 24 ft. E. from T-rd. W., in root on NW. side of 20-in. maple tree; copper nail and washer	910.49
Latham, 6.7 mi. SW. of, in NE 1/4 sec. 7, T. 43 N., R. 16 W., 15 ft. E. of rd., on N. concrete head wall of culvert; chiseled square	892.92
T. 43 N., R. 17 W., about 0.2 mi. N. of quarter cor. between secs. 1 and 12, 69 ft. S. and 60 ft. W. from SW. corner of garage of Ed. Lehman, 18 ft. E. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1579 C W A 1934"	951.939
Reference mark, 108 ft. S. and 40 ft. W. from tablet, in root on N. side of 16-in. hedge tree; copper nail and washer	950.59

(Continued in Eldon quadrangle; see line 7.)

2. FROM SEC. 29, T. 44 N., R. 16 W., NORTH TO SEC. 30, T. 45 N., R. 16 W. (by C. P. Thompson in 1934)

Latham, 0.8 mi. S., thence 1.2 mi. W. from, quarter cor. between secs. 20 and 29, T. 44 N., R. 16 W., 156 ft. N. and 10 ft. W. from T-rd. W., on S. end of W. head wall of concrete culvert; chiseled square	798.76
Latham, 0.2 mi. N., thence 1.2 mi. W. from, quarter cor. between secs. 17 and 20, T. 44 N., R. 16 W., 130 ft. N. and 3 ft. W. from stone at crossroads, about 20 ft. W. of rd., 2 ft. W. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1587 C W A 1934"	874.934
Latham, 1.2 mi. W., thence 0.6 mi. N. from, about 700 ft. S. of center sec. 17, T. 44 N., R. 16 W., 250 ft. W. of barn, 20 ft. E. of rd., 22 ft. S. of 20-in. maple tree, 3 ft. E. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1588 C W A 1934"	894.234
Reference mark, 23 ft. N. and 6 ft. E. from tablet, in root on E. side of 20-in. maple tree; copper nail and washer	894.69
Latham, 1.2 mi. W., thence 1.2 mi. N. from, quarter cor. between secs. 8 and 17, T. 44 N., R. 16 W., 42 ft. S. and 40 ft. E. from rd. corner S.-E., in root on W. side of 18-in. hickory tree; copper nail and washer	851.99
Latham, 1.2 mi. W., thence 2.1 mi. N. from, about 600 ft. N. of center sec. 8, T. 44 N., R. 16 W., 45 ft. S. and 18 ft. E. from rd. corner S.-W., 3 ft. E. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1589 C W A 1934"	832.880
Reference mark, 10 ft. S. and 58 ft. W. from tablet, in root on N. side of 30-in. black-oak tree; copper nail and washer	830.85

	<u>Feet</u>
Latham, 2.1 mi. N. and 1.5 mi. W. from, in NW 1/4 sec. 8, T. 44 N., R. 16 W., 300 ft. NE. of farmhouse of R. H. Boggs, 31 ft. S. of old concrete foundation, 19 ft. N. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1590 C W A 1934"	851.564
Tipton, 3.8 mi. S. and 3.8 mi. E. from, in SE 1/4 sec. 6, T. 44 N., R. 16 W., 18 ft. N. and 33 ft. W. from T-rd. W., in fence line, in root on S. side of 8-in. oak tree; copper nail and washer	861.61
Tipton, about 3 mi. S. and 3.8 mi. E. from, in SE 1/4 sec. 31, T. 45 N., R. 16 W., in woods at top of hill, 22 ft. E. of fence, 5 ft. W. of 36-in. oak tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1591 C W A 1934"	835.710
Reference mark, 65 ft. N. and 30 ft. E. from tablet, in root on W. side of 30-in. black-oak tree; copper nail and washer	838.58
Tipton, about 2.8 mi. S. and 3.8 mi. E. from, near E. sixteenth cor. sec. 31, T. 45 N., R. 16 W., 22 ft. S. and 47 ft. W. from SW. corner of dwelling of E. W. Howard, 30 ft. E. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1592 C W A 1934"	861.041
Tipton, 3.2 mi. E., thence 1.5 mi. S. from, W. sixteenth cor. between secs. 30 and 31, T. 45 N., R. 16 W., 7 ft. S. and 180 ft. E. from T-rd. N., on S. end of E. abutment of concrete bridge; rivet	845.48
Cole triangulation sta.; U.S.C. & G.S. triangulation sta. designated "Cole"	922.439
S. reference mark	922.730
N. reference mark	922.796
3. FROM CLARKSBURG WEST ALONG MISSOURI PACIFIC RAILROAD TO SEC. 18, T. 45 N., R. 16 W., THENCE SOUTH ALONG ROADS TO SEC. 30, T. 45 N., R. 16 W. (by C. P. Thompson in 1934)	
U.S.C. & G.S. copper bolt designated "XXXIV"	903.673
Clarksburg, 2.5 mi. W. of, about 100 ft. W. of rd. crossing, N. of R.R., in concrete post; U.S.C. & G.S. and State Survey standard tablet	901.460
Clarksburg, 3 mi. W. of, 0.5 mi. W. of rd. crossing, 30 ft. N. of R.R., 10 ft. S. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet	917.426
4. FROM SEC. 18, T. 45 N., R. 16 W., NORTH TO SEC. 19, T. 46 N., R. 16 W., THENCE EAST TO SEC. 31, T. 46 N., R. 15 W., THENCE SOUTH TO CALIFORNIA (by C. P. Thompson in 1934)	
T. 45 N., R. 16 W., near E. sixteenth cor. between secs. 6 and 7, 14 ft. S. and 100 ft. E. from rd. junction, in concrete post; U.S.C. & G.S. and State Survey standard tablet	906.702
T. 45 N., R. 16 W., in NE 1/4 sec. 6, in SE. corner of cemetery, about 100 ft. E. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	919.719
T. 46 N., R. 16 W., near center sec. 31, about 1.5 mi. S. of Cotton, in NW. wing wall of concrete bridge; monel rivet	778.02
Cotton, in N 1/2 sec. 30, T. 46 N., R. 16 W., on NE. pier of bridge; NE. rivet	695.43
Cotton, near quarter cor. between secs. 19 and 30, T. 46 N., R. 16 W., in SE. corner of schoolyard, in concrete post; U.S.C. & G.S. and State Survey standard tablet	774.154
T. 46 N., R. 16 W., near cor. secs. 19, 20, 29, and 30, about 500 ft. SW. of bridge over Moniteau Creek, 15 ft. SE. of creek, in concrete post; U.S.C. & G.S. and State Survey standard tablet	681.924
T. 46 N., R. 16 W., in S 1/2 sec. 20, 0.4 mi. SE. of steel bridge, 50 ft. E. of small bridge, on SE. corner of small culvert; chiseled square	684.19
T. 46 N., R. 16 W., in SW 1/4 sec. 21, about 300 ft. E. of rd. corner, S. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	884.968
T. 46 N., R. 16 W., near center sec. 28, on E. side of rd. opposite old farmhouse, in concrete post; U.S.C. & G.S. and State Survey standard tablet	915.730
T. 46 N., R. 16 W., cor. secs. 27, 28, 33, and 34, 30 ft. NW. of junction of rds., in root of 10-in. white-oak tree; nail	857.50
T. 46 N., R. 16 W., near quarter cor. between secs. 27 and 34, N. of rd., 40 ft. E. of walnut tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet	837.918
T. 46 N., R. 16 W., E. sixteenth cor. between secs. 27 and 34, 100 ft. N. of T-rd. W., E. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	780.869
T. 46 N., R. 16 W., in NW 1/4 sec. 35, about 150 ft. W. of New Zion Church, 50 ft. S. of rd., in root on N. side of hickory tree; lead-headed nail	834.88
T. 46 N., R. 16 W., cor. secs. 25, 26, 35, and 36, 25 ft. S. and 200 ft. W. from crossroads, 10 ft. S. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet	818.834
T. 46 N., R. 16 W., on line between secs. 25 and 36, 42 ft. NW. of NW. corner of farmhouse of J. A. Allee, 35 ft. S. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	802.097
T. 46 N., R. 15 W., in S 1/2 sec. 30, 300 ft. W. of dwelling of Abe Douglas, 200 ft. W. of barn, on prominent sandstone; chiseled square	665.90
T. 46 N., R. 15 W., cor. secs. 29, 30, 31, and 32, 200 ft. S. and 300 ft. E. from, 100 ft. N. of farmhouse, E. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	837.262
T. 46 N., R. 15 W., in NW 1/4 sec. 32, W. of rd. opposite private drive, in concrete post; U.S.C. & G.S. and State Survey standard tablet	872.419

	<u>Feet</u>
T. 46 N., R. 15 W., near quarter cor. between secs. 32 and 33, about 400 ft. W. of Hartman dwelling, on SW. corner of concrete culvert; chiseled square	832.19
T. 45 N., R. 15 W., in NW 1/4 sec. 3, on SE. bank of East Brush Creek, in fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet	639.738
California, 2 mi. N. of, in NE 1/4 sec. 10, T. 45 N., R. 15 W., 100 ft. E. of rd. junction, 60 ft. NW. of small dwelling, 30 ft. S. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	665.910
California, 0.5 mi. N. of, in SW 1/4 sec. 15, T. 45 N., R. 15 W., 200 ft. NE. of rd. forks, 20 ft. SE. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	825.280
California, about 0.2 mi. N. of, in NW 1/4 sec. 22, T. 45 N., R. 15 W., 300 ft. SE. of rd., 50 ft. E. of fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet	851.670
California, on State Highway 87, on W. wing wall of culvert over Brush Creek; chiseled square	780.18
U.S.C. & G.S. B.M. designated "XXXIII"	875.326

5. FROM CALIFORNIA EAST TO SEC. 19, T. 45 N., R. 14 W., THENCE NORTH INTO CENTERTOWN QUADRANGLE AT SEC. 30, T. 46 N., R. 14 W. (by A. L. Detweiler in 1934)

California, 0.8 mi. SE. of, at county fair grounds, within race track, 35 ft. from W. fence on inside of track, 122 ft. from S. fence, 210 ft. SW. of SW. corner of new concrete committee house in infield, in limestone post; U.S.C. & G.S. standard disk (magnetic sta.)	820.849
Reference mark, 150 ft. SE. of disk, on N. end of culvert; chiseled square	822.08
California, 1 mi. E. of, on Missouri Pacific R.R., quarter cor. between secs. 26 and 27, T. 45 N., R. 15 W., 300 ft. N. of U.S. Highway 50, 250 ft. W. of rd. at brick house, S. of R.R., on base of signal control box; chiseled square	906.04
California, 2 mi. E. of, on Missouri Pacific R.R., near quarter cor. between secs. 25 and 26, T. 45 N., R. 15 W., N. of right-of-way at rd. crossing, 200 ft. SW. of dwelling, on NW. corner of concrete base of switch signal post 1479; chiseled square	886.85
T. 45 N., R. 15 W., in NW 1/4 sec. 25, on old Marion rd., at SW. corner of dwelling of Sam Scmutz, 30 ft. N. of rd., on SW. corner of well top; chiseled square	860.18

(For balance in Centertown quadrangle, see line 5.)

T. 45 N., R. 15 W., about 1,000 ft. N. of center sec. 1, at New Salem Baptist Church, on S. end of second step at W. entrance; chiseled square	819.29
Kliever Store, in SE 1/4 sec. 36, T. 46 N., R. 15 W., on N. end of step at SW. corner of store; chiseled square	783.23
T. 46 N., R. 14 and 15 W., near cor. secs. 25, 30, 31, and 36, on State Highway 87, on N. end of culvert under private drive; chiseled square	737.17
T. 46 N., R. 14 W., in W 1/2 sec. 30, on State Highway 87, 0.5 mi. SW. of bridge over Moniteau Creek, in root on S. side of 30-in. white-oak tree; copper nail and washer	645.59

(Continued in Centertown quadrangle; see line 5.)

6. FROM BOONVILLE QUADRANGLE AT SEC. 14, T. 46 N., R. 15 W., SOUTH, WEST, AND NORTH INTO BOONVILLE QUADRANGLE AT SEC. 17, T. 46 N., R. 15 W. (by A. L. Detweiler in 1934)

(Continued from Boonville quadrangle; see line 6.)

T. 46 N., R. 15 W., in SW 1/4 sec. 15, 0.5 mi. NW. of bridge over Moniteau River, 100 ft. N. of rd., 10 ft. W. of branch, on S. end of rock ledge; chiseled square	601.72
T. 46 N., R. 15 W., in SE 1/4 sec. 16, at crossroads, on NW. wing wall of bridge over branch; chiseled square	593.91

(Continued in Boonville quadrangle; see line 6.)

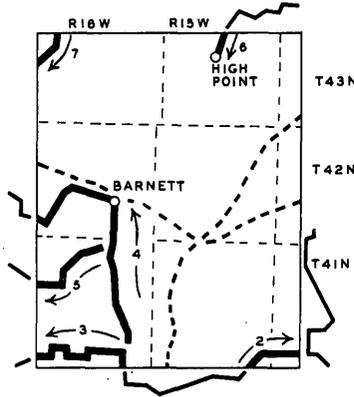
7. FROM CALIFORNIA SOUTHEAST ALONG U.S. HIGHWAY 50 4.3 MILES, THENCE SOUTH ALONG ROADS INTO CENTERTOWN QUADRANGLE AT SEC. 19, T. 44 N., R. 14 W. (by O. F. Hodgdon in 1934)

California, 10 ft. S. and 12 ft. E. from SW. corner of courthouse, in top of first step above sidewalk; standard tablet	874.179
Reference mark, at corner of Main and East Streets, on stone step of Luzier Hall; chiseled square	870.17
California, 1.1 mi. E. of, on N. partition wall of first concrete culvert E. of city limits; chiseled cross	868.00
California, 0.6 mi. S. and 1.1 mi. E. from, in NE 1/4 sec. 27, T. 45 N., R. 15 W., 300 ft. S. of Missouri Pacific R.R., 19 ft. N. of highway, on head wall of concrete culvert; chiseled square	888.19
California, 2.7 mi. SE. of, at junction of rd. S., 40 ft. S. of highway, 35 ft. W. of N.-S. rd.; top of concrete right-of-way post	879.48
California, 3.2 mi. SE. of, 37 ft. S. of highway, in root on W. side of 24-in. maple tree; copper nail and washer	905.55

	<u>Feet</u>
California, 4.3 mi. SE. of, at junction of rd. N., 20 ft. N. of highway, 15 ft. E. of N.-S. rd., on head wall of concrete pipe culvert; chiseled square	881.78
(For balance in Centertown quadrangle, see line 4.)	
T. 44 N., R. 14 W., in SW 1/4 sec. 19, on Lammert ford rd., 2 mi. SW. of rd. junction, 400 ft. S. and 75 ft. W. from farmhouse of H. H. Remmert, 35 ft. E. of rd., in root on W. side of 36-in. elm tree; copper nail and washer	703.50
(Continued in Centertown quadrangle; see line 4.)	
8. FROM CENTERTOWN QUADRANGLE AT SEC. 6, T. 43 N., R. 14 W., SOUTH- WEST INTO ELDON QUADRANGLE AT SEC. 9, T. 43 N., R. 15 W. (by O. F. Hodgdon in 1934)	
(Continued from Centertown quadrangle; see line 2.)	
Russellville, 4 mi. W. of, in NW 1/4 sec. 6, T. 43 N., R. 14 W., 25 ft. S. and 35 ft. W. from T-rd. S., in root of 36-in. locust tree; nails	860.79
Russellville, 4.5 mi. W. of, in NE 1/4 sec. 1, T. 43 N., R. 15 W., 50 ft. S. of SE. corner of farmhouse, 30 ft. N. of rd., in root of 12-in. poplar tree; nails	924.31
Russellville, 5 mi. W. of, in sec. 1, T. 43 N., R. 15 W., 27 ft. N. and 36 ft. E. from crossroads at Corticello, 71 ft. NW. of NE. corner of Baptist Church, in corner of cemetery, in concrete post; standard tablet stamped "31 C W A 1934"	922.851 920.83
Reference mark, S. of rd., in root of 18-in. wild-cherry tree; nails	
High Point, 3 mi. E. of, in NE 1/4 sec. 2, T. 43 N., R. 15 W., 100 ft. E. of T-rd. E., in right-of-way fence, in root of 24-in. locust tree; nails	896.91
High Point, 2.5 mi. E. of, 35 ft. E. of T-rd. E., in telephone pole; nail	914.13
High Point, 2 mi. NE. of, in NE 1/4 sec. 10, T. 43 N., R. 15 W., 75 ft. S. and 65 ft. W. from T-rd., 60 ft. S. of rd., in root of 18-in. willow tree; copper nail and washer	868.09
(Continued in Eldon quadrangle; see line 6.)	
9. FROM BOONVILLE QUADRANGLE AT SEC. 13, T. 46 N., R. 17 W., SOUTH TO COTTON (by J. H. Vinyard and P. A. Castle in 1934)	
(Continued from Boonville quadrangle; see line 7.)	
Cotton, 1.2 mi. NW. of, cor. secs. 13, 18, 19, and 24, T. 46 N., Rs. 16 and 17 W., 50 ft. E. of gate to farmhouse, S. of rd., in root of 30-in. oak tree; copper nail and washer	813.59
Cotton, near quarter cor. between secs. 19 and 30, T. 46 N., R. 16 W., in SE. corner of schoolyard, in concrete post; U.S.C. & G.S. and State Survey standard tablet	774.154
Reference mark, 15 ft. E. of tablet, in root of 36-in. elm tree; copper nail and washer	774.11
For an additional level line along Missouri Pacific R.R., refer to United States Coast and Geodetic Survey first-order line, Jefferson City to Pleasant Hill.	

ELDON QUADRANGLE
(Latitude 38°15'-38°30'; longitude 92°30'-92°45')

Miller, Moniteau, and Morgan Counties



1. ISOLATED BENCHMARKS (not shown on diagram; by O. Laugaard in 1902)

	<u>Feet</u>
Rocky Mount, opposite post office, in foundation of church; standard tablet stamped "996 Vrsals"	995.182
Barnett, opposite Beckman's store, in foundation of church; aluminum tablet stamped "917 Vrsals"	915.855
Excelsior, 0.1 mi. E. of, 150 ft. S. of rd., in bed of creek, in large, flat rock; standard tablet stamped "863 Vrsals"	861.462
High Point, in brick front of Tising's store; standard tablet stamped "904 Vrsals"	902.610
Olean, in brick front of Dr. Allee's drug store; aluminum tablet stamped "770 Vrsals"	768.957
Eldon, in brick front of bank; aluminum tablet stamped "934 Vrsals"	932.984

2. FROM VERSAILLES NO. 4 QUADRANGLE AT SEC. 1, T. 40 N., R. 15 W., NORTH TO SEC. 36, T. 41 N., R. 15 W., THENCE EAST ALONG STATE HIGHWAY 52 INTO EUGENE QUADRANGLE (by L. V. Johnson in 1932)
(Continued from Versailles No. 4 quadrangle; see line 3.)

Tuscumbia, 4.2 mi. NW. of, in SE 1/4 sec. 36, T. 41 N., R. 15 W., 241 ft. S. and 93 ft. E. from junction of rd. S., at W. entrance to Hall's store, in concrete porch; standard tablet stamped "27 J 1932"	915.105
Reference mark, 150 ft. NW. of tablet, on E. head wall of culvert; chiseled square	908.44
Tuscumbia, 3.8 mi. NW. of, 1 mi. E. of Hall's store, about 300 ft. SE. of dwelling of J. A. Harbison, 28 ft. S. of highway, in root on N. side of twin walnut tree; copper nail and washer	841.39

(Continued in Eugene quadrangle; see line 2.)

3. FROM VERSAILLES NO. 4 QUADRANGLE AT SEC. 1, T. 40 N., R. 16 W., WEST INTO GRAVOIS MILLS QUADRANGLE AT SEC. 7, T. 40 N., R. 16 W. (by J. H. Vinyard in 1934)
(Continued from Versailles No. 4 quadrangle; see line 4.)

Bagnell, 4.2 mi. NW. of, in NW 1/4 sec. 1, T. 40 N., R. 16 W., 90 ft. N. (?) and 17 ft. W. (?) from rd. forks at farm of John Conner, in concrete post; standard tablet stamped "T T 542 C W A 1934"	637.473
Reference mark, 120 ft. N. of tablet, at group of mail boxes, in root of walnut tree; copper nail and washer	636.53
T. 40 N., R. 16 W., in NW 1/4 NE 1/4 sec. 2, 3.7 mi. NW. of U.S. Highway 54 bridge over Little Gravois Creek, about 0.2 mi. W. of ford across creek, opposite old tiff mine, 30 ft. N. of rd., 12 ft. inside fence, in root of 20-in. white-oak tree; copper nail and washer	711.72
T. 40 N., R. 16 W., in NE 1/4 NE 1/4 sec. 3, 0.1 mi. S. of rd. forks, at top of steep hill, W. of rd., in root of 6-in. black-oak tree; nail and tin washer	837.10
T. 40 N., R. 16 W., in SW 1/4 NE 1/4 sec. 3, at top of hill, at entrance to farmhouse, S. of rd., in line with private rd. N., in root of 24-in. black-oak tree; copper nail and washer	768.15
T. 40 N., R. 16 W., in SW 1/4 sec. 3, 0.2 mi. W. of T-rd., on top stone at SW. corner of foundation of Hutchison farmhouse; highest point	700.40
Bagnell, 6.7 mi. W. of, in SE 1/4 sec. 4, T. 40 N., R. 16 W., 1 mi. NW. of Cooper's Camp, 0.5 mi. SE. of Elm Spring Camp, 15 ft. S. and 35 ft. E. from rd. forks, in concrete post; standard tablet stamped "T T 543 C W A 1934"	822.629

	<u>Feet</u>
Reference mark, 100 ft. S. of tablet, at SW. corner of rd. forks, in root of 12-in. black-oak tree; copper nail and washer	819.03
T. 40 N., R. 16 W., in SW 1/4 NE 1/4 sec. 4, at Elm Spring Camp, W. of branch, N. of rd. near cabin, in root of 24-in. oak tree; copper nail and washer	663.37
T. 41 N., R. 16 W., in NE 1/4 sec. 32, 2 mi. SW. of Rocky Mount Post Office, 2 mi. NE. of Coffman's Beach, 150 ft. SE. of rd. forks, in root of 30-in. oak tree; copper nail and washer	918.63
T. 41 N., R. 16 W., in SE 1/4 SW 1/4 sec. 32, about 400 ft. SW. of rd. forks, N. of rd., in root of 24-in. black-oak tree; copper nail and washer	853.26
T. 40 N., R. 16 W., near quarter cor. between secs. 5 and 6, about 3.5 mi. SW. of Rocky Mount Post Office, 0.3 mi. NE. of Coffman's Beach, at top of hill, 30 ft. N. of rd. fork SE., in concrete post; standard tablet stamped "T T 544 C W A 1934"	842.918
Reference mark, 40 ft. S. of tablet, at SE. corner of rd. forks, in root of 12-in. white-oak tree; copper nail and washer	840.15
T. 40 N., R. 16 W., in SE 1/4 sec. 6, at Coffman's Beach, at cabin adjacent to supply building, on NW. corner of concrete step; chiseled square	679.70
4. FROM SEC. 1, T. 40 N., R. 16 W., NORTH TO BARNETT, THENCE WEST INTO GRAVOIS MILLS QUADRANGLE AT SEC. 36, T. 42 N., R. 17 W. (by J. H. Vinyard in 1934)	
T. 41 N., R. 16 W., in NW 1/4 sec. 36, 0.3 mi. SE. of Blue Springs Church, in front of farmhouse, E. of rd., in root of 30-in. white-oak tree; copper nail and washer	675.94
T. 41 N., R. 16 W., near center sec. 26, at bottom of hill, 500 ft. W. of log dwelling, 300 ft. E. of T-rd. N., on N. head wall of culvert; chiseled square	688.19
T. 41 N., R. 16 W., in SW 1/4 sec. 23, about 2.5 mi. S. of Rocky Mount Church, 25 ft. E. of rd., 25 ft. N. of fence, 10 ft. E. of blazed 14-in. water-oak tree, in concrete post; standard tablet stamped "T T 531 C W A 1934"	852.638
Reference mark, 25 ft. S. of tablet, at rd. corner, in root of 12-in. black-oak tree; copper nail and washer	859.51
T. 41 N., R. 16 W., about 0.2 mi. S. of center sec. 14, about 800 ft. S. of E.-W. jog in rd., about halfway between two farmhouses, in fence line, W. of rd., in root of 10-in. elm tree; copper nail and washer	853.32
T. 41 N., R. 16 W., in NW 1/4 sec. 14, 0.8 mi. SW. of Rocky Mount Church, at rd. forks, E. of rd., near mail boxes, in root of 20-in. black-oak tree; copper nail and washer	948.55
T. 41 N., R. 16 W., in SW 1/4 NW 1/4 sec. 11, about 0.1 mi. NE., thence 0.3 mi. NW. from Rocky Mount Church, 15 ft. S. of junction of rd. N., in concrete post; standard tablet stamped "T T 532 C W A 1934"	985.658
Reference mark, 140 ft. N. of tablet, in root of 8-in. black-oak tree; copper nail and washer	986.93
Barnett, about 3 mi. S. of, near W. sixteenth cor. sec. 2, T. 41 N., R. 16 W., W. of rd. opposite farmhouse, at SE. end of NW.-SE. jog in rd., in root of 15-in. white-oak tree; copper nail and washer	974.15
Barnett, 2 mi. S. of, in SW 1/4 sec. 35, T. 42 N., R. 16 W., at T-rd. W. (E. ?) at E.-W. jog in rd. near farmhouse, in fence corner, in root of 15-in. black-oak tree; copper nail and washer	983.98
Barnett, about 0.8 mi. S. of, in NW 1/4 SW 1/4 sec. 26, T. 42 N., R. 16 W., 55 ft. S. and 35 ft. E. from junction of rd. E., on land of F. A. McConnell, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 533 C W A 1934"	992.544
Reference mark, 100 ft. N. of tablet, in front yard of farmhouse, in root of walnut tree; copper nail and washer	992.46
Barnett, 165 ft. N. of Chicago, Rock Island & Pacific Ry. sta., 12 ft. W. of main track, in concrete post; U.S.C. & G.S. standard disk stamped "C 33 1934"	969.916
Reference mark, 240 ft. S. of disk, on concrete base of semaphore; chiseled square	973.78
T. 42 N., R. 16 W., near center sec. 21, 1.2 mi. W. of Barnett, on State Highway 52, at crossroad, at SW. corner of Chicago, Rock Island & Pacific Ry. right-of-way fence, in root of triple 4-in. oak tree; copper nail and washer	1,003.63
T. 42 N., R. 16 W., in NE 1/4 sec. 29, NE. of T-rd. E., 50 ft. E. of Routon Church, in root of 30-in. white-oak tree; copper nail and washer	940.92
T. 42 N., R. 16 W., in NE 1/4 SW 1/4 sec. 29, 40 ft. SE. of SE. corner of Routon School, in concrete post; standard tablet stamped "T T 534 C W A 1934"	875.086
Reference mark, on SE. corner of concrete well top; chiseled square	876.11
T. 42 N., R. 16 W., in SW 1/4 NW 1/4 sec. 32, 1.1 mi. SW. of Routon School, in front of farmhouse, in root of 10-in. elm tree; copper nail and washer	752.43
T. 42 N., R. 16 W., in NW 1/4 sec. 31, 1 mi. E. of county rd. from Versailles to Barnett, on private ridge rd., at wooden gate, in wooded pasture, in root of 15-in. oak tree; copper nail and washer	878.68

(Continued in Gravois Mills quadrangle; see line 4.)

5. FROM SEC. 11, T. 41 N., R. 16 W., WEST INTO GRAVOIS MILLS QUADRANGLE AT SEC. 24, T. 41 N., R. 17 W. (by J. H. Vinyard in 1934)	
T. 41 N., R. 16 W., in NE 1/4 sec. 10, 125 ft. SW. of rd. forks, 50 ft. NW. of fence corner, N. of rd., in root of 15-in. oak tree; copper nail and washer	<u>Feet</u> 926.27
T. 41 N., R. 16 W., in NE 1/4 sec. 9, about 1.5 mi. W. of Rocky Mount Church, at top of hill, 200 ft. W. of rd. forks, N. of rd., in root of 24-in. black-oak tree; copper nail and washer	884.44
T. 41 N., R. 16 W., in SE 1/4 sec. 8, 0.4 mi. NE. of McKinley School, S. of rd., in corner of field, in root of 15-in. oak tree; copper nail and washer	804.60
T. 41 N., R. 16 W., in SW 1/4 SE 1/4 sec. 8, about 6 mi. SW. of Barnett, in center of concrete porch of McKinley School; standard tablet stamped "T T 1158 W 1934"	730.800
T. 41 N., R. 16 W., in SW 1/4 sec. 17, about 1 mi. S. of McKinley School, 300 ft. E. of T-rd. E., 400 ft. NE. of chimney, N. of rd., in root of 18-in. elm tree; copper nail and washer	668.78
T. 41 N., R. 16 W., in NE 1/4 sec. 19, in front of farmhouse, in root of 12-in. maple tree; copper nail and washer	670.30
T. 41 N., R. 17 W., in NE 1/4 NE 1/4 sec. 24, at point where old rd. is submerged at high water, in root of 15-in. oak tree; copper nail and washer	664.88

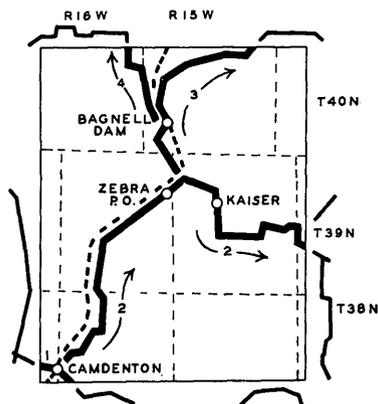
(Continued in Gravois Mills quadrangle; see line 6.)

6. FROM CALIFORNIA QUADRANGLE AT SEC. 9, T. 43 N., R. 15 W., SOUTH TO HIGH POINT (by O. F. Hodgdon in 1934) (Continued from California quadrangle; see line 8.)	
High Point, 1.1 mi. E. of, in SE 1/4 SE 1/4 sec. 9, T. 43 N., R. 15 W., 300 ft. SW. of junction of State Highway 87, at rd. SW. to High Point, in root of 24-in. walnut tree; nails	932.82
7. FROM CALIFORNIA QUADRANGLE AT SEC. 12, T. 43 N., R. 17 W., SOUTH- WEST INTO GRAVOIS MILLS QUADRANGLE AT SEC. 13, T. 43 N., R. 17 W. (by C. P. Thompson in 1934) (Continued from California quadrangle; see line 1.)	
T. 43 N., R. 17 W., near quarter cor. between secs. 12 and 13, 177 ft. S. and 33 ft. E. from T-rd. E., in SW. corner of yard of Providence School, on NW. corner of concrete well top; chiseled square	959.89
(Continued in Gravois Mills quadrangle; see line 9.)	

For additional level lines along Missouri Pacific R.R. and Chicago, Rock Island & Pacific Ry., refer to United States Coast and Geodetic Survey second-order lines; Mexico to Eldon, Mansfield to Versailles, and Eldon to Labadie.

VERSAILLES NO. 4 QUADRANGLE
(Latitude 38°00'-38°15'; longitude 92°30'-92°45')

Camden, Miller, and Morgan Counties



1. FROM VERSAILLES NO. 3 QUADRANGLE EAST ALONG U.S. HIGHWAY 54 TO CAMDENTON, THENCE SOUTHEAST ALONG STATE HIGHWAY 5 INTO STOUTLAND QUADRANGLE (by George W. Moore in 1931) (Continued from Versailles No. 3 quadrangle; see line 4.)	Feet
Camdenton, 0.1 mi. SW. of, 120 ft. N. and 70 ft. E. from crossroad, N. of highway, in root on S. side of 19-in. oak tree; copper nail and washer	1,005.13
Camdenton, 95 ft. E. of junction of U.S. Highway 54, in S. head wall of concrete culvert; standard tablet stamped "100 M 1931"	1,039.710
Reference mark, 150 ft. S. of tablet, on N. head wall of concrete culvert; chiseled square	1,042.46
2. FROM CAMDENTON NORTHEAST ALONG U.S. HIGHWAY 54 TO SEC. 6, T. 39 N., R. 15 W., THENCE SOUTH ALONG ROADS BY WAY OF KAISER TO SEC. 20, T. 39 N., R. 15 W., THENCE EAST INTO IBERIA QUADRANGLE AT SEC. 19, T. 39 N., R. 14 W. (by C. E. Reick in 1932)	
Camdenton, 1.3 mi. NE. of courthouse, 25 ft. E. of highway, in root of 18-in. oak tree; copper nail	947.16
Linn Creek, 1 mi. S. of, SE. of junction of rd. SE., on head wall of culvert; chiseled square	769.08
Linn Creek, at E. edge of, on SW. abutment of bridge J-378; chiseled square	690.55
Linn Creek, 0.4 mi. E. of, 35 ft. SE. of crossroad, in concrete post; standard tablet stamped "28 R 1932"	696.396
Reference mark, 430 ft. SW. of tablet, on N. corner of bridge J-344; chiseled square	692.96
Linn Creek, 1.5 mi. NE. of, 20 ft. S. of highway, in root of 20-in. hickory tree; copper nail	909.69
Linn Creek, 2.7 mi. NE. of, E. of highway, in root of 24-in. oak tree; copper nail	921.04
Linn Creek, 3.4 mi. NE. of, 60 ft. NW. of crossroad, in concrete post; standard tablet stamped "29 R 1932"	941.160
Reference mark, 130 ft. E. of tablet, on head wall of culvert; chiseled square	939.21
Damsel, 1.9 mi. S. of, 4.6 mi. NE. of Linn Creek, W. of highway, 140 ft. N. of store, in root of 20-in. oak tree; copper nail and washer	895.26
Damsel, 0.8 mi. S. of, 30 ft. E. of highway, in root of 20-in. oak tree; nail	820.26
Damsel, 320 ft. NE. of store, 20 ft. E. of highway, in concrete post; standard tablet stamped "R 30 1932"	885.346
Reference mark, 670 ft. N. of tablet, on E. head wall of concrete culvert; chiseled square	874.44
Damsel, 1 mi. NE. of, SW. of junction of rd. W., on head wall of culvert; chiseled square	851.73
Zebra, 2.4 mi. SW. of post office, 1.2 mi. W. of W. end of bridge over Lake of the Ozarks, 78 ft. N. of highway, 23 ft. S. and 55 ft. E. from SE. corner of school, in concrete post; standard tablet stamped "T T 161 B 1932"	792.492
Zebra, 2 mi. SW. of post office, 0.8 mi. SW. of bridge over Lake of the Ozarks, 130 ft. SE. of junction of rd. S., in root of 30-in. oak tree; copper nail	773.83
Zebra, 1.2 mi. SW. of post office, on NW. corner of bridge over Lake of the Ozarks; chiseled square	695.83
Zebra, 270 ft. S. of post office, 80 ft. NE. of junction of rd. E., in root of 18-in. hickory tree; copper nail	835.26
Zebra, 1.1 mi. NE. of, 13 ft. N. of junction of old U.S. Highway 54, 51 ft. W. of highway, in concrete post; standard tablet stamped "T T 160 B 1932" (as reset Sept. 30, 1938)	894.586

	<u>Feet</u>
Reference mark, 370 ft. NE. of tablet, on W. head wall of culvert; chiseled square	888.10
Kaiser, 2 mi. NW. of, 100 ft. NE. of crossroad, on head wall of culvert; chiseled square	898.41
Kaiser, 0.4 mi. N. of, 350 ft. W. of cor. secs. 4, 5, 8, and 9, T. 39 N., R. 15 W., 60 ft. W. of T-rd. S., on concrete block; chiseled square	898.36
Kaiser, 110 ft. NW. of post office, 20 ft. W. of rd., in fence corner, in concrete post; standard tablet stamped "T T 159 B 1932"	913.184
Kaiser, 1 mi. S. of, in SE 1/4 NE 1/4 sec. 17, T. 39 N., R. 15 W., 80 ft. SW. of New Hope Church, E. of rd., in root of 15-in. oak tree; copper nail	852.60
T. 39 N., R. 15 W., in NW 1/4 NW 1/4 sec. 21, 60 ft. SW. of T-rd. E., in root of 20-in. oak tree; copper nail	841.82
T. 39 N., R. 15 W., in SE 1/4 SW 1/4 sec. 15, 15 ft. N. of rd. at ford across creek, in root of walnut tree; copper nail	724.13
T. 39 N., R. 15 W., in NE 1/4 NE 1/4 sec. 22, about 5 mi. NW. of Brumley, on rd. to Kaiser, 560 ft. W. of dwelling of Mrs. Catron, 14 ft. N. (?) of rd., 3 ft. NE. of fence corner, in concrete post; standard tablet stamped "T T 158 B 1932"	875.956
Reference mark, 40 ft. SW. of tablet, on ledge; chiseled square	832.67
T. 39 N., P. 15 W., in NW 1/4 sec. 23, 30 ft. NW. of T-rd. N., in root of 24-in. oak tree; copper nail	883.03
T. 39 N., R. 15 W., in NE 1/4 SE 1/4 sec. 14, 10 ft. S. of rd. at gate, in root of 18-in. oak tree; copper nail	923.13
T. 39 N., R. 15 W., in SE 1/4 NE 1/4 sec. 13, 20 ft. NE. of rd. forks, in root of 24-in. oak tree; copper nail	909.05
T. 39 N., R. 14 W., in NE 1/4 SW 1/4 sec. 18, 18 ft. S. of rd. fork NE., 28 ft. E. of triangular-blazed white-oak tree, in concrete post; standard tablet stamped "T T 157 B 1932"	948.115
Reference mark, 130 ft. E. of tablet, in root of 30-in. oak tree; copper nail	954.56

(Continued in Iberia quadrangle; see line 4.)

3. FROM POINT 1 MILE NORTHEAST OF ZEBRA POST OFFICE NORTHWEST AND NORTHEAST ALONG U.S. HIGHWAY 54 TO SEC. 4, T. 40 N., R. 15 W., THENCE EAST ALONG ROADS INTO ELDON QUADRANGLE AT SEC. 1, T. 40 N., R. 15 W. (by L. V. Johnson in 1932)

Zebra post office, 3 mi. NE. of, 800 ft. NW. of Camden-Miller county line, 50 ft. NE. of highway, inside fence, in root on W. side of triangular-blazed 15-in. oak tree; copper nail and washer	836.43
Bagnell Dam, 2.4 mi. S. of, 4.2 mi. NW. of Zebra, 90 ft. S. and 90 ft. W. from crossroad, at entrance to Arrowhead Beach Club, in root on W. side of 12-in. hickory tree; copper nail and washer	830.45
Bagnell Dam, 1.3 mi. SW. of, 30 ft. S. and 65 ft. W. from junction of rd. NW., in root on NE. side of 10-in. oak tree; copper nail and washer	786.84
Bagnell Dam, at W. end of, 13 ft. S. of center of pavement, in concrete walk; standard tablet stamped "25 J 1932"	673.450
Reference mark, 13 ft. N. of tablet, on concrete walk; chiseled square	673.33
Bagnell Dam, 0.4 mi. N. of E. end of, near summit of hill, 50 ft. S. and 45 ft. E. from crossroad, in root on W. side of 12-in. oak tree; copper nail and washer	798.98
Bagnell Dam, 1.2 mi. NW. of, 130 ft. S. of junction of rd. W. to Rockwood Farm, W. of highway, on concrete head wall of culvert; chiseled square	843.82
Bagnell Dam, 2.6 mi. NW. of, on wing wall at NW. corner of bridge over Blue Springs Creek; chiseled square	590.52
Bagnell, 510 ft. NW. of Missouri Pacific R.R. sta., 21 ft. SE. of switch, 12 ft. N. of track, in rock; standard tablet stamped "589 Vrsls"	585.560
Bagnell Dam, 3.8 mi. NE. of, at NE. corner of bridge over drain, on top of concrete railing; chiseled square	604.70
T. 40 N., R. 15 W., near S. sixteenth cor. sec. 4, at NW. corner of bridge over Wrights Creek, in concrete wing wall; standard tablet stamped "26 J 1932"	621.678
Reference mark, at SW. corner of bridge, on concrete wing wall; chiseled square	621.70
T. 40 N., R. 15 W., in SW 1/4 sec. 3, about 300 ft. NE. of dwelling of D. W. Bond, 50 ft. NE. of NE. corner of barn, 10 ft. E. of rd., in root on SE. side of 12-in. oak tree; copper nail and washer	778.72
T. 40 N., R. 15 W., near cor. secs. 2, 3, 10, and 11, about 200 ft. W. of rd. fork N., 90 ft. NW. of NW. corner of log farmhouse, 20 ft. S. of rd., in root on N. side of 15-in. oak tree; copper nail and washer	855.50
T. 40 N., R. 15 W., in SW 1/4 sec. 1, on concrete porch of Harmony School; chiseled square	822.34

(Continued in Eldon quadrangle; see line 2.)

4. FROM BAGNELL DAM NORTH ALONG U.S. HIGHWAY 54 TO SEC. 7, T. 40 N., R. 15 W., THENCE NORTHWEST ALONG ROADS INTO ELDON QUADRANGLE AT SEC. 1, T. 40 N., R. 16 W. (by J. H. Vinyard in 1934)

Bagnell Dam, on extreme NE. end of sidewalk on downstream side of dam; chiseled square	670.27
Bagnell Dam, 1.6 mi. N. of W. end of, 100 ft. E. of highway, in root of 10-in. black-oak tree; copper nail and washer	821.44

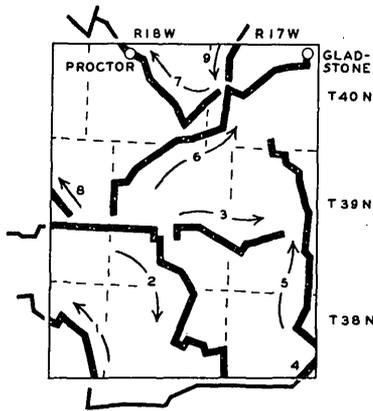
Bagnell, 1.5 mi. N. of, in SE 1/4 SE 1/4 sec. 7, T. 40 N., R. 15 W., near N. right-of-way line, 33 ft. N. and 100 ft. W. from SW. corner of filling sta. of Robert Rustin, in concrete post; standard tablet stamped "T T 541 C W A 1934"	<u>Feet</u> 594.986
Reference mark, 200 ft. W. of tablet, on N. head wall of culvert; chiseled square	599.17
T. 40 N., R. 15 W., in N 1/2 sec. 7, 0.8 mi. NW. of U.S. Highway 54 bridge over Blue Springs Creek, 300 ft. S. of farmhouse, at rd. corner, in root of 12-in. pecan tree; copper nail and washer	586.35
T. 40 N., R. 16 W., in SE 1/4 SE 1/4 sec. 1, 1.6 mi. NW. of U.S. Highway 54 bridge over Blue Springs Creek, at SE. corner of farmhouse of V. B. Simpson, on top of bottom stone; chiseled mark	613.90

(Continued in Eldon quadrangle; see line 3.)

For additional level lines along U.S. Highway 54 and State Highway 5, refer to United States Coast and Geodetic Survey second-order lines, Mansfield to Versailles and Linn Creek to Brownings.

VERSAILLES NO. 3 QUADRANGLE
(Latitude 38°00'-38°15'; longitude 92°45'-93°00')

Camden and Morgan Counties



1. FROM MACKS CREEK QUADRANGLE AT SEC. 36, T. 38 N., R. 19 W., NORTHWEST INTO CROSS TIMBERS QUADRANGLE AT SEC. 15, T. 38 N., R. 19 W. (by George W. Moore in 1931)

Macks Creek, 3 mi. N. of, 11 ft. W. of rd., in root on E. side of 27-in. oak tree; copper nail and washer	861.14
Macks Creek, 4.1 mi. N. of, at edge of timber, 40 ft. W. of rd., in root on E. side of 14-in. oak tree; copper nail and washer	809.29
T. 38 N., R. 19 W., in SW 1/4 NE 1/4 sec. 24, about 4.5 mi. N. of Macks Creek, about 1.5 mi. SE. of Bannister School, in NW. corner of rd. fork N., 9 ft. E. of triangular-blazed 20-in. walnut tree, 20 ft. N. and 30 ft. W. from triangular-blazed triple oak tree, in concrete post; standard tablet stamped "T T Sta 10 W 1931"	788.485
Reference mark, 35 ft. SE. of tablet, in triangle of rd. forks, in root on NE. side of twin oak tree; copper nail and washer	790.46
Banister, 0.5 mi. SE. of, on E. end of S. head wall of concrete culvert; chiseled square	743.92
Old Banister, 265 ft. E. of rd. forks at abandoned store building, in root on N. side of 15-in. oak tree; copper nail and washer	742.92
T. 38 N., R. 19 W., near center of SW 1/4 sec. 14, 29 ft. S. and 8 ft. W. from SE. corner of new Bannister School, 16 ft. N. of rd., 3 ft. S. of 24-in. oak tree, in concrete post; standard tablet stamped "T T Sta 11 W 1931"	772.663
Reference mark, 27 ft. N. and 43 ft. W. from tablet, 18 ft. W. of school, in root on S. side of 18-in. oak tree; copper nail and washer	769.08
Banister, 0.6 mi. NW. of, at top of hill, 70 ft. SE. of T-rd. NE., in root on N. side of 25-in. oak tree; copper nail and washer	904.41

(Continued in Cross Timbers quadrangle; see line 1.)

2. FROM CROSS TIMBERS QUADRANGLE AT SEC. 22, T. 39 N., R. 19 W., EAST TO SEC. 21, T. 39 N., R. 18 W., THENCE SOUTHEAST INTO MACKS CREEK QUADRANGLE AT SEC. 30, T. 38 N., R. 17 W. (by George W. Moore in 1931)
(Continued from Cross Timbers quadrangle; see line 2.)

	Feet
Climax Springs, 4.5 mi. E. of, on line between secs. 22 and 23, T. 39 N., R. 19 W., 24 ft. S. and 46 ft. E. from rd. fork SE., 2 ft. S. and 6 ft. W. from oak tree, in concrete post; standard tablet stamped "T T Sta 14 W 1931"	999.321
Reference mark, 7 ft. E. of tablet, S. of rd., in root on SE. side of 17-in. oak tree; copper nail and washer	999.19
Climax Springs, 5.2 mi. E. of, at Crocker School, 110 ft. S. and 60 ft. W. from T-rd. N., on NE. corner of concrete platform; chiseled square	996.32
Climax Springs, 6.1 mi. E. of, in yard of R. V. Jackson, 21 ft. W. of well, 25 ft. N. of rd., in root on S. side of 18-in. sycamore tree; copper nail and washer	985.70
Climax Springs, 6.7 mi. E. of, 170 ft. NE. of bend in rd., on SW. end of NW. head wall of concrete culvert; chiseled square	929.29
Climax Springs, about 7 mi. E. of, center sec. 19, T. 39 N., R. 18 W., 48 ft. N. and 42 ft. E. from crossroads, 64 ft. N. and 21 ft. W. from oak tree and mail box, in large rock flush with ground; standard tablet stamped "T T Sta 15 W 1931"	940.130
Reference mark, 64 ft. S. and 21 ft. E. from tablet, S. of rd., in root on N. side of 20-in. oak tree; copper nail and washer	942.29
Barnumton, 8 ft. SE. of store and post office, on SE. corner of concrete platform of gasoline pump; chiseled square	970.65
Barnumton, 0.7 mi. E. of, 70 ft. S. and 25 ft. W. from school, 45 ft. E. of rd., in root on NW. side of 20-in. oak tree; copper nail and washer	990.18
Barnumton, 1.5 mi. E. of, 40 ft. S. and 75 ft. W. from junction of rd. NE., S. of rd., in root on NW. side of 24-in. oak tree; copper nail and washer	1,044.74
T. 39 N., R. 18 W., near center sec. 21, about 1.7 mi. E. of Barnumton School, at top of hill, 520 ft. E. of rd. forks, 150 ft. S. and 220 ft. W. from old rd. forks, S. of rd., at edge of field, 1 ft. S. of fence, in concrete post; standard tablet stamped "T T Sta No 16 W 1931"	1,032.799
Reference mark, 250 ft. E. of tablet, 25 ft. S. and 100 ft. W. from T-rd. S. to Nonsuch, in root on N. side of 10-in. oak tree; copper nail and washer	1,027.41
T. 39 N., R. 18 W., in SE 1/4 sec. 21, 3.1 mi. N. of Nonsuch, at foot of hill, 45 ft. S. of rd. at junction of abandoned rd. NW., in root on N. side of twin oak tree; copper nail and washer	857.37
T. 39 N., R. 18 W., in SE 1/4 sec. 28, 2.1 mi. N. of Nonsuch, on hill, 20 ft. E. of rd., in root on S. side of 8-in. oak tree; copper nail and washer	801.79
T. 39 N., R. 18 W., in SE 1/4 sec. 33, 1.3 mi. N. of Nonsuch, at sharp bend in rd., W. of rd. at S. gatepost to pasture, in root on SE. side of 50-in. elm tree; copper nail and washer	710.66
T. 38 N., R. 18 W., in NE 1/4 NW 1/4 sec. 3, about 0.4 mi. NW. of Nonsuch, on W. bank of creek, 90 ft. E. of private rd. to farmhouse of Ben Moulder, 30 ft. N. of fence corner, in top of prominent shelf rock outcrop; standard tablet stamped "95 M 1931"	688.547
Reference mark, 70 ft. N. and 40 ft. W. from tablet, at corner fence post, in root on SE. side of 16-in. walnut tree; copper nail and washer	693.16
Nonsuch, 350 ft. SW. of store building, 170 ft. S. of ferry landing, in root on NW. side of 20-in. apple tree; copper nail and washer	660.33
Nonsuch, across lake from, 420 ft. E. of ferry landing, 40 ft. S. of lake, in root on NW. side of 20-in. locust tree; copper nail and washer	663.22
T. 38 N., R. 18 W., in SE 1/4 sec. 3, 0.5 mi. SE. of Nonsuch, at top of hill, 20 ft. E. of rd. forks, N. of rd., in root on NE. side of 10-in. oak tree; copper nail and washer	827.35
T. 38 N., R. 18 W., in SW 1/4 sec. 2, 0.9 mi. SE. of Nonsuch, 430 ft. NW. of Prairie Hollow School, 40 ft. NE. of rd. forks, in root on SE. side of 22-in. oak tree; copper nail and washer	693.96
T. 38 N., R. 18 W., in NE 1/4 NW 1/4 sec. 11, 1.3 mi. SE. of Nonsuch, 35 ft. NW. of rd. forks E. of ford, in S. side of 15-in. oak tree; spike	668.96
T. 38 N., R. 18 W., in NW 1/4 SW 1/4 sec. 11, about 1.9 mi. SE. of Nonsuch, at E. end of concrete walk to dwelling of W. R. Eadson, in top of concrete platform; standard tablet stamped "96 M 1931"	693.497
Reference mark, 31 ft. S. and 11 ft. W. from tablet, on concrete retaining wall; chiseled square	693.20
T. 38 N., R. 18 W., in NE 1/4 SE 1/4 sec. 15, 4.5 mi. NW. of Roach, 150 ft. N. of rd. forks, 23 ft. W. of rd., in root on SE. side of 14-in. oak tree; copper nail and washer	736.34
T. 38 N., R. 18 W., in SE 1/4 sec. 14, 3.6 mi. NW. of Roach, 70 ft. W. of rd. forks, in root on NW. side of 16-in. elm tree; copper nail and washer	752.37
T. 38 N., R. 18 W., in SW 1/4 sec. 24, 2.7 mi. NW. of Roach, 150 ft. SE. of bridge, 50 ft. E. of rd., in root on W. side of 15-in. elm tree; copper nail and washer	832.97
T. 38 N., R. 18 W., in SE 1/4 SE 1/4 sec. 24, about 1.9 mi. NW. of Roach, 100 ft. N. and 48 ft. W. from rd. forks, at N. edge of rd., 54 ft. E. of blazed tree, 22 ft. W. of blazed tree, in top of rock outcrop flush with ground; standard tablet stamped "97 M 1931"	976.008
Reference mark, 70 ft. N. and 50 ft. W. from tablet, 38 ft. NE. of rd., in root on SW. side of 20-in. oak tree; copper nail and washer	879.65
T. 38 N., R. 18 W., in SE 1/4 sec. 25, 1 mi. NW. of Roach, 26 ft. N. and 100 ft. E. from rd. corner N.-E., in root on E. side of 12-in. oak tree; copper nail and washer	956.52

3. FROM SEC. 21, T. 39 N., R. 18 W., EAST TO SEC. 21, T. 39 N., R. 17 W. (single-run unchecked spur line by George W. Moore in 1931)	
Barnumton, 2.4 mi. E. of, in SW 1/4 sec. 22, T. 38 N., R. 18 W., in saddle, 35 ft. S. of rd., in root on E. side of 18-in. oak tree; copper nail and washer	951.58
Barnumton, 3 mi. E. of, in SE 1/4 sec. 22, T. 39 N., R. 18 W., 14 ft. S. and 5 ft. E. from junction of rd. S., in triangle of rd. forks, in root on N. side of 20-in. oak tree; copper nail and washer	966.80
Barnumton, 3.9 mi. E. of, in SW 1/4 sec. 23, T. 39 N., R. 18 W., 20 ft. S. of rd., in root on NE. side of 10-in. oak tree; copper nail and washer	926.97
Barnumton, 4.2 mi. E. of, in SE 1/4 sec. 23, T. 39 N., R. 18 W., 30 ft. W. of rd. junction, 20 ft. N. of rd., in root on N. side of 30-in. oak tree; copper nail and washer	985.40
Barnumton, 4.9 mi. E. of, in NW 1/4 NW 1/4 sec. 25, T. 39 N., R. 18 W., 240 ft. W. of SW. corner of Mount Taber School, 20 ft. S. of rd., in root on N. side of 26-in. oak tree; copper nail and washer	982.30
Barnumton, 5.4 mi. E. of, in NW 1/4 sec. 25, T. 39 N., R. 18 W., 25 ft. S. and 30 ft. E. from rd. forks, in concrete post; standard tablet stamped "104 M 1931"	951.829
Reference mark, 12 ft. N. of tablet, 30 ft. E. of rd. forks, in root on W. side of 20-in. oak tree; spike	953.31
Barnumton, 6.3 mi. E. of, in NW 1/4 sec. 30, T. 39 N., R. 17 W., 50 ft. S. and 120 ft. E. from rd. forks, in root on N. side of 24-in. oak tree; copper nail and washer	957.33
Barnumton, 7.1 mi. E. of, in NE 1/4 sec. 30, T. 39 N., R. 17 W., at top of hill, 15 ft. N. and 55 ft. W. from rd. forks, in root on N. side of 12-in. oak tree; copper nail and washer	965.08
Barnumton, 8.2 mi. E. of, in SW 1/4 sec. 20, T. 39 N., R. 17 W., 20 ft. SE. of rd. corner, in root on NE. side of 18-in. oak tree; copper nail and washer	909.02
Barnumton, 9 mi. E. of, in NE 1/4 sec. 20, T. 39 N., R. 17 W., 260 ft. N. of abandoned school, 20 ft. N. and 12 ft. E. from rd. corner S.-E., 29 ft. N. and 12 ft. E. from fence corner, in root on SW. side of 16-in. elm tree; copper nail and washer	707.21
Barnumton, 9.8 mi. E. of, in NW 1/4 SE 1/4 sec. 21, T. 39 N., R. 17 W., 200 ft. W. of end of rd., 30 ft. N. of rd., 18 ft. W. of blazed 20-in. oak tree, in stone outcrop; standard tablet stamped "105 M 1931"	668.330
Reference mark, 55 ft. NE. of tablet, 65 ft. N. of rd., in root on SE. side of 10-in. walnut tree; copper nail and washer	664.40
4. FROM MACKS CREEK QUADRANGLE NORTHEAST ALONG U.S. HIGHWAY 54 INTO VERSAILLES NO. 4 QUADRANGLE (by George W. Moore in 1931)	
Camdenton, 0.7 mi. SW. of, 62 ft. SE. of highway, in root on NW. side of 22-in. oak tree; copper nail and washer	946.43
(Continued in Versailles No. 4 quadrangle; see line 1.)	
5. FROM VERSAILLES NO. 4 QUADRANGLE NORTH ALONG STATE HIGHWAY 5 TO SEC. 34, T. 40 N., R. 17 W. (by C. E. Reick in 1932)	
Camdenton, 1 mi. NW. of, at junction of rd. N., NE. of highway, on W. end of pipe culvert; chiseled cross	999.01
T. 38 N., R. 17 W., in SW 1/4 sec. 14, 100 ft. E. of junction of rd. W., in root of 12-in. oak tree; copper nail	1,012.82
T. 38 N., R. 17 W., in NE 1/4 NE 1/4 sec. 15, about 3 mi. NW. of Camdenton, 260 ft. S. of rd. junction, 20 ft. S. and 20 ft. E. from junction of lane E. to dwelling of T. B. Evans, in concrete post; standard tablet stamped "T T 240 B 1932"	942.523
T. 38 N., R. 17 W., near center sec. 11, E. of highway, on head wall of culvert; chiseled square	935.89
T. 38 N., R. 17 W., in NE 1/4 sec. 2, E. of highway, in root of triangular-blazed oak tree; copper nail	905.91
T. 39 N., R. 17 W., in SW 1/4 NE 1/4 sec. 35, 0.3 mi. SW. of S. landing of ferry across Lake of the Ozarks, 33 ft. W. of junction of rd. NE. along ridge, in concrete post; standard tablet stamped "239 B 1932"	806.163
Reference mark, 180 ft. N. of tablet, in root of 12-in. oak tree; copper nail	796.49
Lake of the Ozarks, surface of water at 4 p.m. Sept. 3, 1932	656.4
T. 39 N., R. 17 W., near center sec. 26, 70 ft. N. of N. landing of ferry across Lake of the Ozarks, 14 ft. above water level, in concrete post; standard tablet stamped "T T 238 B 1932"	670.077
T. 39 N., R. 17 W., in SW 1/4 sec. 23, on summit, W. of highway, in root of 20-in. hickory tree; copper nail	856.20
T. 39 N., R. 17 W., in SE 1/4 NW 1/4 sec. 14, E. of highway, in root of 24-in. oak tree; copper nail	928.36
T. 39 N., R. 17 W., in NE 1/4 NW 1/4 sec. 14, 2.8 mi. N. of N. landing of ferry across Lake of the Ozarks, 60 ft. S. and 30 ft. E. from junction of rd. E. to Aero Club, in concrete post; standard tablet stamped "T T 237 B 1932"	929.507
T. 39 N., R. 17 W., near cor. secs. 2, 3, 10, and 11, 75 ft. SE. of junction of rd. E. to Lakeview Beach, in root of 20-in. oak tree; copper nail	921.58

	<u>Feet</u>
T. 39 N., R. 17 W., 1 mi. S. of N. quarter cor. sec. 3, about 1.6 mi. S. of junction of rd. to Sunrise Beach, 130 ft. SE. of junction of rd. SE., 34 ft. E. of highway, 7 ft. E. of triangular-blazed tree, in concrete post; standard tablet stamped "T T 236 B 1932"	861.247
T. 39 N., R. 17 W., in NE 1/4 sec. 4, 40 ft. NW. of junction of rd. W. to Hurricane Deck, in root of 28-in. oak tree; spike	938.79
T. 40 N., R. 17 W., in SW 1/4 sec. 35, 40 ft. N. of junction of rd. E. to Sunrise Beach, in root of 10-in. oak tree; copper nail	859.95
T. 40 N., R. 17 W., in NE 1/4 SW 1/4 sec. 34, in saddle of ridge, 80 ft. SW. of highway, 20 ft. W. of rd. S., 43 ft. S. of triangular-blazed oak tree, in concrete post; standard tablet stamped "T T 235 B 1932" (as reset in 1938)	809.214
Reference mark, 160 ft. W. of tablet, in root of 15-in. oak tree; copper nail	812.91
6. FROM SEC. 19, T. 39 N., R. 18 W., NORTHEAST TO SEC. 12, T. 40 N., R. 17 W. (by C. E. Reick in 1932)	
T. 39 N., R. 18 W., in SW 1/4 sec. 18, W. of ferry rd., on head wall of culvert; chiseled square	782.80
T. 39 N., R. 18 W., in SW 1/4 sec. 7, 200 ft. N. of ford, W. of rd., in base of large, corner fence post; spike	725.34
T. 39 N., R. 18 W., in NW 1/4 SW 1/4 sec. 5, in front of Lee farmhouse, 25 ft. N. of rd., in concrete post; standard tablet stamped "T T 229 B 1932"	696.749
Reference mark, 140 ft. S. of tablet, on W. head wall of culvert; chiseled square	690.88
Lake of the Ozarks; surface of water at 2 p.m. Sept. 7, 1932	656.1
T. 39 N., R. 18 W., in N 1/2 sec. 3, near S. landing of Irontown Ferry, 30 ft. S. of Lake of the Ozarks shore line, about 5 ft. above water level, in concrete base of gasoline pumps; standard tablet stamped "T T 230 B 1932"	662.133
Reference mark, 90 ft. S. of tablet, in base of 24-in. oak tree; spike	666.42
T. 39 N., R. 18 W., in NE 1/4 sec. 2, about 1.3 mi. SE. of N. landing of Irontown Ferry, along Irontown Ferry Road, at top of high ridge, 20 ft. N. and 70 ft. W. from rd. junction, in concrete post; standard tablet stamped "T T 231 B 1932"	950.780
Reference mark, 180 ft. E. of tablet, in root of 20-in. oak tree; copper nail	943.81
T. 40 N., R. 17 W., in NW 1/4 sec. 31, at summit, E. of rd., in root of 24-in. oak tree; copper nail	894.31
T. 40 N., R. 17 W., in SE. cor. sec. 19, 80 ft. S. and 40 ft. W. from State Highway 5 at junction of Irontown Ferry Road, in concrete post; standard tablet stamped "T T 232 B 1932" (as reset in 1938)	1,010.447
Reference mark, 1,000 ft. S. of tablet, on E. head wall of culvert; chiseled square	976.92
T. 40 N., R. 17 W., in NE 1/4 SW 1/4 sec. 29, 80 ft. W. of State Highway 5 at rd. E. to Gladstone, in root of 18-in. oak tree; copper nail	963.05
T. 40 N., R. 17 W., in SE 1/4 SE 1/4 sec. 20, 10 ft. S. of rd., in root of 24-in. oak tree; copper nail	955.14
T. 40 N., R. 17 W., in NE 1/4 NW 1/4 sec. 21, S. of rd., in root of 30-in. oak tree; copper nail	899.33
T. 40 N., R. 17 W., near center of SW 1/4 sec. 15, 10 ft. S. and 15 ft. E. from crossroads, in large sandstone ledge; standard tablet stamped "T T 233 B 1932"	828.977
T. 40 N., R. 17 W., in NW 1/4 NW 1/4 sec. 14, 90 ft. SE. of T-rd. S., in root of 12-in. oak tree; copper nail	841.41
T. 40 N., R. 17 W., about 500 ft. S. of cor. secs. 11, 12, 13, and 14, 250 ft. NW. of school, 30 ft. E. of rd. forks, in root of 30-in. oak tree; copper nail	834.00
T. 40 N., R. 17 W., in SE 1/4 NW 1/4 sec. 12, near old site of Gladstone, 80 ft. S. of water edge of Lake of the Ozarks, 15 ft. W. of old rd., in concrete post; standard tablet stamped "T T 234 B 1932"	663.004
Lake of the Ozarks, at Gladstone; surface of water at 4 p.m. Sept. 12, 1932	656.0
7. FROM SEC. 19, T. 40 N., R. 17 W., SOUTHWEST TO SEC. 36, T. 40 N., R. 18 W., THENCE NORTHWEST INTO GRAVOIS MILLS QUADRANGLE AT SEC. 9, T. 40 N., R. 18 W. (by C. P. Thompson in 1934)	
T. 40 N., R. 17 W., in NE 1/4 SE 1/4 sec. 19, 50 ft. W. of dwelling, 12 ft. S. and 27 ft. E. from State Highway 5 at rd. W., in root on W. side of 26-in. oak tree; copper nail and washer	928.45
T. 40 N., R. 17 W., in SW 1/4 SW 1/4 sec. 19, 90 ft. S. and 96 ft. E. from farmhouse of H. E. Lendrun, 18 ft. S. of rd., in root on S. side of 20-in. oak tree; copper nail and washer	785.06
T. 40 N., R. 18 W., in NW 1/4 NE 1/4 sec. 36, 70 ft. N. (?) and 20 ft. E. (?) from rd. forks, in concrete post; standard tablet stamped "T T 545 C W A 1934"	678.858
Reference mark, 96 ft. N. and 16 ft. W. from tablet, in root on S. side of 18-in. oak tree; copper nail and washer	681.05
T. 40 N., R. 18 W., in NW 1/4 SW 1/4 sec. 25, about 300 ft. SE. of farmhouse of Frank Sutton, 24 ft. W. of rd., in root on N. side of 22-in. walnut tree; copper nail and washer	712.47
T. 40 N., R. 18 W., in SW 1/4 sec. 23, 8 ft. S. and 66 ft. E. from SE. corner of farmhouse of Frank Jenkin, 12 ft. S. of rd., in root on NE. side of 24-in. elm tree; copper nail and washer	782.26

T. 40 N., R. 22 W., near center sec. 22, 10 ft. S. and 45 ft. E. from rd. forks at mail box of William Moore, in concrete post; standard tablet stamped "T 546 C W A 1934"	Feet 963.288
Reference mark, 21 ft. W. of tablet, in root on W. side of 22-in. post-oak tree; copper nail and washer	962.13
T. 40 N., R. 18 W., in NW 1/4 NW 1/4 sec. 22, at top of hill, 21 ft. W. of rd., in root on E. side of 10-in. oak tree; copper nail and washer	891.62
Proctor, 1.2 mi. S. of, in SW 1/4 SE 1/4 sec. 16, T. 40 N., R. 18 W., about 0.2 mi. NE. of dwelling of Leo Holst, 189 ft. W. of Y-rd., in root on SE. side of 26-in. white-oak tree; copper nail and washer	713.76
Proctor, 40 ft. S. and 60 ft. E. from NE. corner of old post office building, in concrete post; standard tablet stamped "T T 547 C W A 1934"	706.454
Reference mark, 105 ft. N. 45° W. of tablet, on center of W. side of well platform; chiseled square	714.12

(Continued in Gravois Mills quadrangle; see line 8.)

8. FROM SEC. 22, T. 39 N., R. 19 W., NORTHWEST INTO CROSS TIMBERS QUADRANGLE AT SEC. 15, T. 39 N., R. 19 W. (by C. P. Thompson in 1934)

Climax Springs, 4 mi. E. and 1 mi. N. from, in SW 1/4 SE 1/4 sec. 15, T. 39 N., R. 19 W., at top of ridge, on property of Fred Rowland, 25 ft. E. of rd., in root on W. side of 24-in. red-oak tree; copper nail and washer	1,025.61
---	----------

(Continued in Cross Timbers quadrangle; see line 5.)

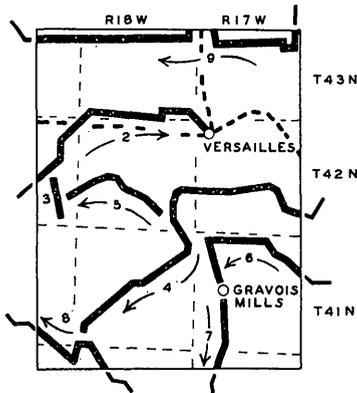
9. FROM GRAVOIS MILLS QUADRANGLE SOUTH ALONG STATE HIGHWAY 5 TO SEC. 19, T. 40 N., R. 17 W. (by J. H. Vinyard in 1935)
(Continued from Gravois Mills quadrangle; see line 7.)

Gravois Mills, 5.2 mi. S. of, in SE 1/4 NE 1/4 sec. 7, T. 40 N., R. 17 W., at junction of private rds. E. and W., W. of rd., in root of 24-in. oak tree; copper nail and washer	963.07
Gravois Mills, 5.8 mi. S. of, in SE 1/4 sec. 7, T. 40 N., R. 17 W., at junction of rd. W., on S. end of side rd. culvert; chiseled square	926.31
Gravois Mills, 6 mi. S. of, in SE 1/4 sec. 18, T. 40 N., R. 17 W., at top of steep hill, W. of rd., in root of 18-in. oak tree; copper nail and washer	939.25

For an additional level line along U.S. Highway 54, refer to United States Coast and Geodetic Survey second-order line, Linn Creek to Brownington.

GRAVOIS MILLS QUADRANGLE
(Latitude 38°15'-38°30'; longitude 92°45'-93°00')

Morgan County



1. ISOLATED BENCHMARKS (not shown on diagram; by O. Laurgaard in 1902)

Hunter triangulation sta.; U.S.C. & G.S. copper bolt designated "Hunter"	1,047.367
Versailles, in SW. corner of foundation of courthouse; aluminum tablet stamped "1037 Vrsals"	1,035.835
Versailles, 3.5 mi. N. of, along Missouri Pacific R.R., about 300 ft. W. of bridge 23 over Straight Fork of Moreau Creek, in flat stone; aluminum tablet stamped "903 Vrsals"	902.272

	<u>Feet</u>
Versailles North Base triangulation sta.; U.S.C. & G.S. standard disk stamped "Versailles North Base 1880"	1,056.642
T. 42 N., R. 18 W., in SW 1/4 sec. 21, near Coffin Spring Branch, N. of creek, 450 ft. S. of McDaniel dwelling, 171 ft. W. of rd., in rock; aluminum tablet stamped "818 Vrsls"	816.350
T. 41 N., R. 18 W., in W 1/2 sec. 1, 1 mi. W. of Huhn's store, 45 ft. NW. of rd., in projecting rock beneath 8-in. tree; standard tablet stamped "719 Vrsls"	718.232
Gravois Mills, in foundation of store of J. T. Washburn; aluminum tablet stamped "675 Vrsls"	671.438
Proctor, in front of Talbot dwelling, in foundation; standard tablet stamped "652 Vrsls"	650.330

2. FROM COLE CAMP QUADRANGLE AT SEC. 27, T. 42 N., R. 19 W., EAST TO SEC. 23, T. 42 N., R. 19 W., THENCE NORTH ALONG ROAD (now State Highway 135) TO SEC. 11, T. 42 N., R. 19 W., THENCE EAST TO SEC. 6, T. 42 N., R. 18 W., THENCE EAST ALONG STATE HIGHWAY 52 TO VERSAILLES (by C. E. Reick in 1932)
(Continued from Cole Camp quadrangle; see line 1.)

T. 42 N., R. 19 W., in SW 1/4 sec. 23, 140 ft. SE. of rd. forks (now on State Highway 135), in front porch of Pleasant Grove School; standard tablet stamped "T 228 B 1932"	1,155.829
T. 42 N., R. 19 W., near center sec. 14, 70 ft. SW. of crossroads (now on State Highway 135), in root of 18-in. cherry tree; copper nail	1,092.32
T. 42 N., R. 19 W., in NE 1/4 sec. 11, 20 ft. E. of rd. forks (now on State Highway 135), in base of corner fence post; spike	1,111.35
T. 42 N., R. 18 W., near center sec. 6, about 6 mi. W. of Versailles, in N. side of W. pier of Chicago, Rock Island & Pacific Ry. bridge over Middle Richland Creek; standard tablet stamped "31 R 1932"	1,003.194
T. 42 N., R. 18 W., S. sixteenth cor. sec. 5, 30 ft. NE. of crossroads, on head wall of culvert; chiseled square	1,085.68
T. 42 N., R. 18 W., in SW 1/4 sec. 4, N. of highway, on head wall of culvert; chiseled square	1,072.42
Versailles, 3.5 mi. W. of, 30 ft. NW. of crossroad, in head wall of concrete culvert; bolt	1,046.06
Versailles, 3 mi. W. of, 25 ft. NW. of junction of rd. N., in concrete retaining wall; standard tablet stamped "32 R 1932"	1,077.401
Versailles, 1.5 mi. W. of, on NW. corner of bridge over Straight Fork of Moreau Creek; chiseled square	998.59

3. FROM SEC. 23, T. 42 N., R. 19 W., SOUTHEAST TO BOWERS TRIANGULATION STATION (single-run unchecked spur line by C. E. Reick in 1932)

T. 42 N., R. 19 W., in NE 1/4 sec. 35, 30 ft. W. of rd. (now State Highway 135), in root of 12-in. oak tree; spike	1,158.62
Bowers triangulation sta.; U.S.C. & G.S. standard disk designated "Bowers 1928" (not tied to line)	(none)
Reference mark 2; U.S.C. & G.S. standard reference disk	1,175.396

4. FROM ELDON QUADRANGLE AT SEC. 36, T. 42 N., R. 17 W., NORTHWEST AND WEST TO SEC. 26, T. 42 N., R. 18 W., THENCE SOUTHEAST TO SEC. 12, T. 41 N., R. 18 W., THENCE SOUTHWEST TO SEC. 32, T. 41 N., R. 18 W. (by J. H. Vinyard in 1934)
(Continued from Eldon quadrangle; see line 4.)

T. 42 N., R. 17 W., near center sec. 36, on Coal Bank Road at junction of rd. N. and private rd. S., S. of rd., at gatepost, in root of 18-in. tree; copper nail and washer	953.90
T. 42 N., R. 17 W., in SW 1/4 NW 1/4 sec. 25, 62 ft. E. of junction of rd. N., 26 ft. N. of Coal Bank Road, in concrete post; standard tablet stamped "T T 535 C W A 1934"	981.744
Reference mark, 90 ft. W. of tablet, in root of 6-in. oak tree; copper nail and washer	979.12
Versailles, 5 mi. SE. of, along Coal Bank Road, in NW 1/4 sec. 26, T. 42 N., R. 17 W., opposite junction of rd. S., at gate to wooded pasture, in root of 15-in. oak tree; copper nail and washer	951.48
Versailles, 4 mi. SE. of, along Coal Bank Road, near center of SE 1/4 sec. 22, T. 42 N., R. 17 W., near farmhouse, N. of rd., on N. head wall of culvert; chiseled square	776.44
Versailles, 2.5 mi. S. and 1.5 mi. E. from, in NW 1/4 SE 1/4 sec. 21, T. 42 N., R. 17 W., 27 ft. N. and 27 ft. E. from crossroads, in fence corner, in concrete post; standard tablet stamped "T T 536 C W A 1934"	746.038
Reference mark, 300 ft. E. of tablet, 15 ft. S. of fence, in root of 30-in. white-oak tree; copper nail and washer	732.89
Versailles, 4 mi. S. of, near quarter cor. between secs. 20 and 29, T. 42 N., R. 17 W., NE. of T-rd. E., in root of 15-in. oak tree; copper nail and washer	893.19
Versailles, 4.5 mi. S. of, in NW 1/4 sec. 29, T. 42 N., R. 17 W., 0.8 mi. E. of State Highway 5, opposite T-rd. S., 10 ft. inside fence, in root of 24-in. white-oak tree; copper nail and washer	929.90
Versailles, 4.5 mi. S. of, along State Highway 5, near center sec. 30, T. 42 N., R. 17 W., opposite junction of rd. E., in root of 12-in. oak tree; copper nail and washer	972.68

Versailles, 3 mi. S. of, along State Highway 5, near S. sixteenth cor. sec. 19, T. 42 N., R. 17 W., 30 ft. N. of junction of rd. N., in fence corner, in concrete post; standard tablet stamped "T T 537 C W A 1934"	Feet 965.692
T. 42 N., R. 18 W., near center sec. 24, 100 ft. E. of rd., at gate to orchard, in root of 18-in. black-oak tree; copper nail and washer	978.56
T. 42 N., R. 18 W., in SE 1/4 SW 1/4 sec. 24, at bottom of hill, near farmhouse at ford across creek, E. of rd., in root of 24-in. white-oak tree; copper nail and washer	848.70
T. 42 N., R. 18 W., in NE 1/4 SE 1/4 sec. 26, 130 ft. S. of rd. forks, in concrete post; standard tablet stamped "T T 538 C W A 1934"	968.027
Reference mark, 100 ft. SE. of tablet, in root of 24-in. black-oak tree; copper nail and washer	970.78
T. 42 N., R. 18 W., in SW 1/4 sec. 35, NW. of T-rd. N., in root of 42-in. white-oak tree; copper nail and washer	775.84
T. 41 N., R. 18 W., in SE 1/4 sec. 2, at rd. forks, in root of 36-in. elm tree; copper nail and washer	716.38
T. 41 N., R. 18 W., in SW 1/4 sec. 1, in front of log farmhouse, in root of 30-in. oak tree; copper nail and washer	719.72
T. 41 N., R. 18 W., in NE 1/4 NE 1/4 sec. 12, 40 ft. S. and 35 ft. W. (?) from rd. fork SW., in NW. corner of yard of L. O. Williams, in concrete post; standard tablet stamped "T T 539 C W A 1934"	689.869
Reference mark, 15 ft. N. of tablet, in root of 24-in. maple tree; copper nail and washer	690.36
T. 41 N., R. 18 W., in NW 1/4 sec. 13, 1.4 mi. S. of Meyers Store, on N. end of concrete porch of Hubbard School; chiseled square	737.83
T. 41 N., R. 18 W., in SW 1/4 sec. 14, 1 mi. W. of Hubbard School, near rd. corner SE.-SW., at farmhouse, in root of 10-in. walnut tree; copper nail and washer	782.19
T. 41 N., R. 18 W., in NW 1/4 NE 1/4 sec. 22, 57 ft. NW. of dwelling of C. B. Wilson, 102 ft. S. of rd., in concrete post; standard tablet stamped "T T 540 C W A 1934"	823.336
Reference mark, on top of NE. corner of step to porch; chiseled square	825.14
T. 41 N., R. 18 W., in NE 1/4 sec. 21, at rd. corner E.-S., in front of log farmhouse, in root of 30-in. black-oak tree; copper nail and washer	987.89
T. 41 N., R. 18 W., in SW 1/4 sec. 21, at rd. corner, 200 ft. E. of County Route H, S. of rd. at gate to field, in root of 18-in. black-oak tree; copper nail and washer	1,073.67
T. 41 N., R. 18 W., in NW 1/4 NE 1/4 sec. 29, 21 ft. W. of rd. at curve E.-SW., 12 ft. S. of blazed 24-in. white-oak tree, in concrete post; standard tablet stamped "T T 561 C W A 1934"	917.772
Reference mark, 12 ft. N. of tablet, in root of 24-in. oak tree; copper nail and washer	916.93
T. 41 N., R. 18 W., in W 1/2 sec. 29, 150 ft. E. of T-rd. E., S. of rd., at gate near ford across creek, in root of 20-in. elm tree; copper nail and washer	784.25
T. 41 N., R. 18 W., in NW 1/4 NW 1/4 sec. 32, near rd. corner W.-S., at ford across creek near farmhouse, in root of 24-in. elm tree; staples	753.52
5. FROM SEC. 35, T. 42 N., R. 18 W., WEST TO SEC. 35, T. 42 N., R. 19 W. (by J. H. Vinyard in 1934)	
T. 42 N., R. 18 W., in S 1/2 sec. 27, about 0.2 mi. SE. of Rickey Church, 15 ft. W. of triangular-blazed 18-in. water-oak tree, in concrete post; standard tablet stamped "T T 562 C W A 1934"	786.279
Reference mark, 25 ft. E. of tablet, in crotch of triple oak tree; copper nail and washer	786.11
T. 42 N., R. 18 W., in N 1/2 sec. 28, at E. side of schoolhouse, on N. end of bottom step to porch; chiseled square	904.04
T. 42 N., R. 18 W., near cor. secs. 20, 21, 28, and 29, 80 ft. NW. of crossroads, in root of 30-in. black-oak tree; copper nail and washer	957.00
T. 42 N., R. 18 W., near quarter cor. between secs. 17 and 20, 28 ft. NE., thence 18 ft. SE. from crossroads, 9 ft. N. of blazed 30-in. black-oak tree, in concrete post; standard tablet stamped "T T 563 C W A 1934"	989.295
Reference mark, 10 ft. from tablet, in root of 30-in. black-oak tree; copper nail and washer	989.32
T. 42 N., R. 18 W., near center of SW 1/4 sec. 20, about 900 ft. SE. of farmhouse, about 200 ft. W. of creek on old rd., at junction of ravines, in root of 30-in. white-oak tree; copper nail and washer	848.40
T. 42 N., R. 19 W., in sec. 25, in yard of farmhouse (burnt), in root of middle one of three maple trees; copper nail and washer	1,056.22
6. FROM ELDON QUADRANGLE AT SEC. 24, T. 41 N., R. 17 W., NORTH-WEST TO SEC. 5, T. 41 N., R. 17 W., THENCE SOUTH ALONG STATE HIGHWAY 5 TO GRAVOIS MILLS (by J. H. Vinyard in 1934) (Continued from Eldon quadrangle; see line 5.)	
T. 41 N., R. 17 W., near quarter cor. between secs. 13 and 24, W. of lake near high-water mark, in root of 18-in. black-oak tree; copper nail and washer	667.86
T. 41 N., R. 17 W., in SW 1/4 sec. 13, 0.5 mi. from lake, on top of ridge, at cross trails, in root of blazed 10-in. oak tree; copper nail and washer	826.90
T. 41 N., R. 17 W., in NW 1/4 SW 1/4 sec. 13, 0.5 mi. S. of old farmhouse, along old trail, 90 ft. NE. of old T-rd. E., 18 ft. N. of blazed black-oak tree, in concrete post; standard tablet stamped "T T 1159 W 1934"	696.532
Reference mark, 100 ft. N. of tablet, in root of 24-in. black-oak tree; staples	696.77

	<u>Foot</u>
T. 41 N., R. 17 W., in NE 1/4 sec. 14, at top of steep hill, in root of blazed 24-in. black-oak tree; staples	849.96
T. 41 N., R. 17 W., near quarter cor. between secs. 11 and 14, at junction of trails, in root of blazed 24-in. black-oak tree; copper nail and washer	898.88
T. 41 N., R. 17 W., in SW 1/4 sec. 11, at W. corner of triangle formed by junction of trails, opposite blazed tree, in root of 10-in. white-oak tree; copper nail and washer	924.56
T. 41 N., R. 17 W., in NW 1/4 sec. 10, at rd. forks near farmhouse, in root of twin sycamore tree; copper nail and washer	675.87
T. 41 N., R. 17 W., in NE 1/4 NE 1/4 sec. 9, at top of hill, S. of rd., in root of blazed 12-in. oak tree; copper nail and washer	781.95
T. 41 N., R. 17 W., in NW 1/4 NE 1/4 sec. 9, about 1.3 mi. SE. of State Highway 5, along rd. to Gravois Beach, 33 ft. N. and 28 ft. E. from rd. fork NE., in concrete post; standard tablet stamped "T T 1160 W 1934"	879.459
Reference mark, 100 ft. W. of tablet, on opposite side of rd., in root of 10-in. tree; copper nail and washer	882.06
T. 41 N., R. 17 W., in NE 1/4 sec. 8, at T-rd. S., 200 ft. S. of rd., in root of 12-in. oak tree; copper nail and washer	896.34
T. 41 N., R. 17 W., in S 1/2 sec. 5, 100 ft. E. of junction of rd. E., in root of 24-in. oak tree; copper nail and washer	914.00
T. 41 N., R. 17 W., in NE 1/4 SE 1/4 sec. 7, at bottom of hill, opposite farmhouse, on E. head wall of culvert; chiseled square	696.51
Gravois Mills, 0.8 mi. N. of, near store and filling sta., on W. head wall of culvert; chiseled square	664.74
Gravois Mills, 800 ft. S. of bridge over Spring Branch, 126 ft. S. of junction of rd. E., 30 ft. E. of highway, 20 ft. N. of 28-in. oak tree, in concrete post; standard tablet stamped "T T 1161 W 1934"	667.075

7. FROM GRAVOIS MILLS SOUTH ALONG STATE HIGHWAY 5 INTO VERSAILLES NO. 3 QUADRANGLE (by J. H. Vinyard in 1934-35)

Gravois Mills, 0.8 mi. S. of, in NE 1/4 SE 1/4 sec. 20, T. 41 N., R. 17 W., at junction of rd. SE., on S. head wall of side rd. culvert; chiseled square	823.82
Gravois Mills, 1.6 mi. S. of, at junction of rd. W., on W. head wall of culvert; chiseled square	825.09
Gravois Mills, 2.1 mi. S. of, at junction of rd. SW., W. of rd., in root of 18-in. black-oak tree; copper nail and washer	834.98
Gravois Mills, 2.8 mi. S. of, on NE. wing wall of bridge over Soap Creek; chiseled cross	686.24
Gravois Mills, 3.5 mi. S. of, in NW 1/4 NE 1/4 sec. 5, T. 40 N., R. 17 W., 50 ft. NE. of junction of rd. SE. to Happy Days Camp, in concrete post; standard tablet stamped "T T 1162 W 1934"	873.653
Reference mark, 80 ft. S. of tablet, in root of 10-in. oak tree; copper nail and washer	875.56
Gravois Mills, 4.5 mi. S. of, in SW 1/4 sec. 5, T. 40 N., R. 17 W., at junction of rd. N., W. of highway, on right-of-way post; chiseled cross	812.85

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

8. FROM VERSAILLES NO. 3 QUADRANGLE AT SEC. 9, T. 40 N., R. 18 W., NORTHWEST INTO COLE CAMP QUADRANGLE AT SEC. 35, T. 41 N., R. 19 W. (by C. P. Thompson in 1934)
(Continued from Versailles No. 3 quadrangle; see line 7.)

T. 40 N., R. 18 W., in NE 1/4 sec. 8, on bank of Sweetwater Branch, near farmhouse of Albert Bellamy, 180 ft. NE. of rd. forks N. and E., 27 ft. N. of E. rd., in root on SE. side of 20-in. walnut tree; copper nail and washer	680.00
T. 40 N., R. 18 W., in NW 1/4 sec. 8, on concrete step at SW. side of Proctor School; chiseled square	688.44
Lake of the Ozarks; surface of water at 9 a.m. Oct. 22, 1934	651.9
Proctor, in foundation at front of Talbot dwelling; standard tablet stamped "652 Vrsls"	650.330
T. 40 N., R. 18 W., in NW 1/4 NW 1/4 sec. 5, on E. bank of Proctor Creek at rd. crossing, 42 ft. W. of junction of rds. NW. and E., in root on N. side of 24-in. elm tree; copper nail and washer	698.10
T. 41 N., R. 18 W., near S. sixteenth cor. sec. 31, about 2 mi. NW. of Proctor School, 15 ft. N. of rd., 10 ft. S. and 12 ft. W. from 24-in. black-oak tree used for corner gate post, in concrete post; standard tablet stamped "T T 548 C W A 1934"	879.158
Reference mark, 10 ft. N. of tablet, in root on S. side of 18-in. white-oak tree; copper nail and washer	879.34
T. 41 N., R. 19 W., in SE 1/4 SE 1/4 sec. 36, 21 ft. S. and 36 ft. W. from rd. forks, 16 ft. W. of rd. SW., in root on E. side of 10-in. black-oak tree; copper nail and washer	920.66
T. 40 N., R. 19 W., near center sec. 1, 2.2 mi. SE. of Little Buffalo Store, 15 ft. S. and 40 ft. W. from T-rd. NW., in root on N. side of 22-in. oak tree; copper nail and washer	969.93
Little Buffalo Store, 1 mi. S. of, in NW 1/4 NE 1/4 sec. 2, T. 40 N., R. 19 W., at top of ridge, 21 ft. W. of rd., in root on E. side of 10-in. red-oak tree; copper nail and washer	966.00

(Continued in Cole Camp quadrangle; see line 4.)

9. FROM ELDON QUADRANGLE AT SEC. 13, T. 43 N., R. 17 W., WEST INTO COLE CAMP QUADRANGLE AT SEC. 10, T. 43 N., R. 19 W. (by C. P. Thompson in 1934)
(Continued from Eldon quadrangle; see line 7.)

	Feet
T. 43 N., R. 17 W., near center of NE 1/4 sec. 14, 23 ft. N. and 60 ft. W. from low-water bridge over Smith Fork Creek, 18 ft. N. of rd., in root on W. side of 2 1/2-in. elm tree; copper nail and washer	928.35
T. 43 N., R. 17 W., N. sixteenth cor. between secs. 14 and 15, 14 1/2 ft. S. and 8 ft. W. from T-rd. E., on concrete abutment at NW. corner of bridge; chiseled square	952.14
T. 43 N., R. 17 W., near quarter cor. between secs. 10 and 15, at top of hill, in N. corner of yard of Prairie Valley School, 17 ft. S. of rd., in root on N. side of 20-in. maple tree; copper nail and washer	1,002.49
T. 43 N., R. 17 W., cor. secs. 9, 10, 15, and 16, 21 ft. N. and 12 ft. E. from crossroads, on center of E. head wall of concrete culvert; chiseled square	1,021.35
Versailles North Base triangulation sta.; U.S.C. & G.S. standard disk stamped "Versailles North Base 1880"	1,056.642
Reference mark, 36 ft. S. and 44 1/2 ft. W. from disk, on E. end of S. head wall of concrete culvert; chiseled square	1,049.44
T. 43 N., R. 17 W., near N. sixteenth cor. between secs. 17 and 18, 18 ft. N. of rd., in root on S. side of 30-in. elm tree; copper nail and washer	996.13

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

T. 43 N., R. 18 W., in SE 1/4 sec. 12, 125 ft. W. of Missouri Pacific R.R. trestle MP-22, 10 ft. W. of rd., in N. end of W. concrete head wall of bridge; standard tablet stamped "35 C W A 1934"	901.641
T. 43 N., R. 18 W., near cor. secs. 11, 12, 13, and 14, in front yard of C. G. Sanford, 36 ft. N. of rd., in root on SE. side of 30-in. black-locust tree; copper nail and washer	968.54
T. 43 N., R. 18 W., near W. sixteenth cor. between secs. 11 and 14, 45 ft. N. and 100 ft. E. from T-rd. N., in stable lot on property of Mary Lampkins, in root on SE. side of 1 1/2-in. walnut tree; copper nail and washer	986.80
T. 43 N., R. 18 W., near quarter cor. between secs. 10 and 15, 92 ft. N. of dwelling of Author Salter, 30 ft. N. of rd., in root on SW. side of 10-in. post-oak tree; copper nail and washer	979.26
T. 43 N., R. 18 W., W. sixteenth cor. between secs. 10 and 15, 55 ft. N. and 16 ft. W. from T-rd. N., in root on S. side of 2 1/2-in. white-oak tree; copper nail and washer	902.03
T. 43 N., R. 18 W., near cor. secs. 9, 10, 15, and 16, 135 ft. W. of Richland Creek, 10 ft. S. of rd., on S. head wall of concrete culvert; chiseled square	851.76
T. 43 N., R. 18 W., in NE 1/4 sec. 17, at top of hill, about 700 ft. W. of old crossroads, on wooded land, 28 ft. N. of rd., in root on SE. side of 22-in. white-oak tree; copper nail and washer	1,000.98
T. 43 N., R. 18 W., in NW 1/4 sec. 17, on E. bank of Richland Creek, 30 ft. S. of rd., in root on N. side of 2 1/2-in. black-oak tree; copper nail and washer	850.66
T. 43 N., R. 18 W., near cor. secs. 7, 8, 17, and 18, 600 ft. W. of T-rd. N., 17 ft. S. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "36 C W A 1934"	888.957
Reference mark, 300 ft. W. of tablet, in root on N. side of 2 1/2-in. oak tree; copper nail and washer	891.84
T. 43 N., R. 18 W., in SW 1/4 sec. 7, on hill, 50 ft. N. and 140 ft. W. from dwelling of H. H. Nolting, 21 ft. W. of rd., in root on E. side of 20-in. red-oak tree; copper nail and washer	1,002.02
T. 43 N., R. 19 W., E. cor. secs. 12 and 13, 42 ft. N. and 15 ft. W. from rd. corner N.-W., in root on N. side of 20-in. white-oak tree; copper nail and washer	982.16
T. 43 N., R. 19 W., 660 ft. N. of center sec. 13, 24 ft. E. of T-rd. E., 3 ft. E. of fence, in root on NW. side of 16-in. wild-cherry tree; copper nail and washer	1,002.37
T. 43 N., R. 19 W., near center of NE 1/4 sec. 14, 20 ft. S. and 33 ft. E. from crossroads and rd. fork NE., 75 ft. N. and 42 ft. W. from NW. corner of farmhouse, 10 ft. E. of corner of yard fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "37 C W A 1934"	1,063.021
Reference mark, 50 ft. N. of tablet, in root on W. side of 12-in. post-oak tree; copper nail and washer	1,059.87

(Continued in Smithton quadrangle; see line 2.)

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, Tipton to Versailles; and second-order lines, Versailles to Windsor and Mansfield to Versailles.

Florence, 120 ft. E. of SE. corner of St. John's Evangelical Church, 570 ft. E. of highway, 20 ft. N. of rd., in SW. corner of field, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 44 C W A 1934"	Feet 942.484
Reference mark, 15 ft. N. and 125 ft. W. from tablet, on SE. corner of first step to church; chiseled square	945.444
Junction of rd. W., on top of concrete right-of-way post; painted square	923.96
Florence, 1 mi. S. of, 35 ft. N. and 40 ft. E. from junction of rd. E., in root of 14-in. black-oak tree; copper nail and washer	895.66
Florence, 1 mi. S., thence 0.8 mi. E. from, 100 ft. W. of Gabriel Fork, 15 ft. N. of rd., in root on S. side of 16-in. mulberry tree; copper nail and washer	769.69
T. 44 N., R. 18 W., near center sec. 18, 15 ft. S. and 166 ft. W. from T-rd. E. (W. ?), in fence line, between white-oak trees, in concrete post; standard tablet stamped "T T 43 C W A 1934"	931.352
T. 44 N., R. 18 W., near quarter cor. between secs. 7 and 18, 10 ft. N. and 23 ft. W. from T-rd. E., in root on E. side of twin 12-in. oak tree; copper nail and washer	914.31
T. 44 N., R. 18 W., near quarter cor. between secs. 8 and 17, 200 ft. NW. of Richland Creek, 25 ft. N. of rd., in root on S. side of 20-in. water-oak tree; copper nail and washer	752.42 886.60
Top of hill, at T-rd. N., on sandstone outcrop; chiseled square	886.60
T. 44 N., R. 18 W., in NW 1/4 sec. 16, at top of hill, 75 ft. S. of dwelling, 25 ft. S. of rd., in root on N. side of 10-in. white-oak tree; copper nail and washer	951.24
T. 44 N., R. 18 W., near center of NE 1/4 sec. 16, 20 ft. S. and 25 ft. W. from crossroads, in root on N. side of 30-in. black-oak tree; copper nail and washer	932.20
T. 44 N., R. 18 W., in NE 1/4 sec. 15, 25 ft. S. and 35 ft. W. from County Route D at rd. W., in root on N. side of twin 36-in. elm tree; copper nail and washer	936.04
T. 44 N., R. 18 W., in SW 1/4 sec. 14, 25 ft. S. of rd. corner N.-E., 5 ft. E. of gate, in root on N. side of 30-in. white-oak tree; copper nail and washer	932.17
T. 44 N., R. 18 W., in NE 1/4 SE 1/4 sec. 14, about 3.5 mi. W. of Fortuna, 38 ft. N. and 379 ft. W. from T-rd. S., 20 ft. N. of rd., in concrete post; standard tablet stamped "42 C W A 1934"	925.985
T. 44 N., R. 18 W., in sec. 13, 100 ft. S. of rd. forks, 50 ft. S. of rd. E. at curve, 100 ft. S. and 200 ft. W. from farmhouse, in root on E. side of 10-in. black-oak tree; copper nail and washer	945.98
T. 44 N., R. 17 W., in sec. 18, 20 ft. N. and 40 ft. W. from T-rd. W., in root of 10-in. hickory tree; copper nail and washer	939.30 948.81
T-rd. S., in root on W. side of 30-in. elm tree; nail	948.81
Fortuna, 0.5 mi. W. of, 125 ft. S. of Missouri Pacific R.R., 30 ft. N. of Moniteau-Morgan county line marker, in concrete post; standard tablet stamped "60 C W A 1934"	961.432
Fortuna, 0.5 mi. N. of, near center sec. 16, T. 44 N., R. 17 W., 40 ft. E. of Missouri Pacific R.R., 90 ft. S. and 50 ft. W. from State Highway 5 at crossroad, in telephone pole; spike	961.36
Fortuna, 0.5 mi. N., thence 1 mi. E. from, 0.2 mi. W. of T-rd. N., 40 ft. E. of farmhouse, 25 ft. N. of rd., in root on S. side of 36-in. locust tree; copper nail and washer	868.65
Fortuna, 0.5 mi. N., thence 2 mi. E. from, near center sec. 14, T. 44 N., R. 17 W., 20 ft. E. of T-rd. W., in fence line, in concrete post; standard tablet stamped "41 C W A 1934"	845.144
T. 44 N., R. 17 W., near cor. secs. 11, 12, 13, and 14, 35 ft. S. and 100 ft. E. from T-fence E., 15 ft. S. of rd. at curve, in root of 12-in. walnut tree; copper nail and washer	873.30
3. FROM POINT 1 MILE SOUTH OF FLORENCE SOUTHWEST ALONG COUNTY ROUTE A (now State Highway 135) TO SEC. 34, T. 44 N., R. 19 W., THENCE SOUTH ALONG ROADS INTO GRAVOIS MILLS QUADRANGLE (by F. C. Lentz in 1936)	
Florence, 2 mi. S. of, 350 ft. SE. of junction of rd. W., 30 ft. SE. of highway, in root on W. side of 14-in. black-oak tree; copper nail and washer	959.43
Florence, 2.5 mi. S. of, 30 ft. S. and 110 ft. E. from crossroad, in root on S. side of 32-in. black-oak tree; copper nail and washer	957.98
T. 44 N., R. 19 W., in SW 1/4 NE 1/4 sec. 27, 4 ft. N. and 37 ft. W. from junction of rd. E., 6 ft. N. of fence corner, in concrete post; standard tablet stamped "402 C W A 1934"	956.741
Florence, 3.6 mi. S. of, 45 ft. S. and 35 ft. W. from junction of rd. E., 15 ft. N. of entrance to farm, in root of 12-in. black-oak tree; copper nail and washer	1,010.30
(For balance in Smithton quadrangle, see line 11.)	
T. 43 N., R. 19 W., in NE 1/4 sec. 3, 30 ft. S. and 235 ft. E. from rd. corner N.-E., in root of 24-in. white-oak tree; copper nail and washer	875.33
Stover Creek, on W. bank of, at rd. crossing, in root of twin 46-in. maple tree; copper nail	848.42
T. 43 N., R. 19 W., in W 1/2 sec. 11, about 1 mi. S. of ford across Stover Creek, 300 ft. NE. of log cabin, 15 ft. W. of rd., in fence corner, in root on E. side of 16-in. water-oak tree; copper nail and washer	917.57
T. 43 N., R. 19 W., in SE 1/4 sec. 11, at rd. forks, in root on N. side of 18-in. black-oak tree; copper nail	1,051.42

4. FROM GRAVOIS MILLS QUADRANGLE AT SEC. 7, T. 43 N., R. 17 W., WEST INTO GRAVOIS MILLS QUADRANGLE AT SEC. 12, T. 43 N., R. 18 W. (by C. P. Thompson in 1934)
(Continued from Gravois Mills quadrangle; see line 9.)

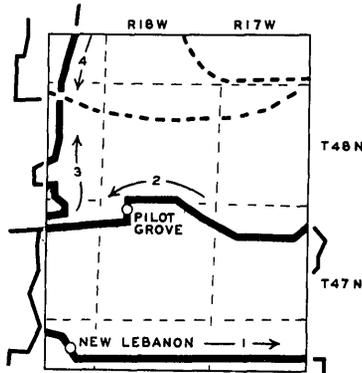
T. 43 N., R. 17 W., in SE 1/4 sec. 7, 355 ft. S. and 18 ft. E. from T-rd. S., 18 ft. E. of rd., in root on W. side of 10-in. cedar tree; copper nail and washer	<u>Feet</u> 939.06
T. 43 N., R. 18 W., near center sec. 12, 75 ft. E. of Missouri Pacific R.R., 18 ft. N. and 9 ft. E. from T-rd. S., in root on S. side of 1/8-in. hackberry tree; copper nail and washer	920.12

(Continued in Gravois Mills quadrangle; see line 9.)

For additional level lines along Missouri Pacific R.R., refer to United States Coast and Geodetic Survey first-order lines, Jefferson City to Pleasant Hill and Tipton to Versailles.

PILOT GROVE QUADRANGLE
(Latitude 38°45'1"-39°00'; longitude 92°45'1"-93°00')

Cooper and Howard Counties



1. FROM NELSON QUADRANGLE AT SEC. 3, T. 46 N., R. 19 W., EAST INTO BOONVILLE QUADRANGLE AT SEC. 14, T. 46 N., R. 17 W. (by J. H. Vinyard and P. A. Castle in 1934)

T. 46 N., R. 19 W., in SE 1/4 sec. 2, at rd. corner, in root of white-oak tree; nail	829.86
T. 46 N., R. 19 W., in SE 1/4 sec. 2, 0.2 mi. W. of crossroads, 40 ft. SW. of fence corner, in root of small red-oak tree; nail	858.32
T. 46 N., R. 19 W., near center of SW 1/4 sec. 1, 65 ft. SW. of crossroads, 17 ft. W. of rd., 2 ft. W. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet	861.873
T. 46 N., R. 19 W., near quarter cor. between secs. 1 and 12, 330 ft. W. of 24-in. oak tree at fence corner, 26 ft. S. of rd., 2 ft. S. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet	875.143
New Lebanon, 0.5 mi. N. of, 20 ft. S. and 30 ft. W. from T-rd. S., in concrete post; U.S.C. & G.S. and State Survey standard tablet	864.779
Reference mark, 0.2 mi. S. of tablet, in NE. corner of Brubaker's yard, in root on E. side of maple tree; nail and washer	883.62
New Lebanon, 0.4 mi. S. of, at NE. corner of cemetery, in NE. cornerstone of fence; (mark not described)	818.34
T. 46 N., R. 18 W., in NW 1/4 sec. 17, 300 ft. E. of gate to farm of O. L. Thomas, on S. head wall of concrete culvert; chiseled square	846.38
T. 46 N., R. 18 W., quarter cor. between secs. 16 and 17, 20 ft. N. and 20 ft. E. from T-rd. N., in fence corner, in concrete post; standard tablet stamped "15 C W A 1934"	858.164
Reference mark, 270 ft. E. of tablet, in fence line N. of rd., in stump; copper nail and washer	852.43
T. 46 N., R. 18 W., quarter cor. between secs. 15 and 16, 10 ft. S. and 25 ft. E. from junction of rds., on S. head wall of stone culvert; chiseled square	893.44
T. 46 N., R. 18 W., near center sec. 15, N. of rd., in root of large elm tree; copper nail and washer	856.43
T. 46 N., R. 18 W., near quarter cor. between secs. 14 and 15, in fence line N. of rd., in root of 10-in. elm tree; copper nail and washer	764.66
T. 46 N., R. 18 W., near quarter cor. between secs. 13 and 14, 20 ft. N. and 20 ft. E. from State Highway 5 at crossroad, in concrete post; standard tablet stamped "16 C W A 1934"	827.214
Reference mark, 350 ft. E. of tablet, S. of rd., near fence, in W. side of 24-in. walnut tree; copper nail and washer	829.41

	<u>Feet</u>
T. 46 N., Rs. 17 and 18 W., near quarter cor. between secs. 13 and 18, at top of hill, opposite dwelling of H. W. Hagemen, 20 ft. N. of rd., in root of large cedar tree; copper nail and washer	864.28
T. 46 N., R. 17 W., near quarter cor. between secs. 17 and 18, 600 ft. W. of farmhouse of W. P. Waller, on S. curb of concrete bridge; chiseled square	846.70
T. 46 N., R. 17 W., near W. sixteenth cor. sec. 16, about 2.5 mi. S. of Bunceon, 100 ft. NW. of NW. corner of dwelling of Elon Gander, 25 ft. S. of rd., in concrete post; standard tablet stamped "17 C W A 1934"	874.125
Reference mark, 10 ft. N. of tablet, in root of 10-in. elm tree; copper nail and washer	873.48
T. 46 N., R. 17 W., 640 ft. W. of quarter cor. between secs. 15 and 16, on S. curb of concrete bridge; chiseled square	848.41
T. 46 N., R. 17 W., 230 ft. W. of quarter cor. between secs. 14 and 15, in root of 30-in. elm tree; copper nail and washer	841.99
(Continued in Boonville quadrangle; see line 7.)	
2. FROM BOONVILLE QUADRANGLE AT SEC. 11, T. 47 N., R. 17 W., WEST TO SEC. 9, T. 47 N., R. 19 W. (by B. A. Barnes in 1934) (Continued from Boonville quadrangle; see line 5.)	
T. 47 N., R. 17 W., about 0.4 mi. W. of quarter cor. between secs. 10 and 11, 120 ft. W. of SW. corner of Lone Elm School, in 36-in. locust tree; nail	782.79
Speed, 1.2 mi. E. of, near quarter cor. between secs. 9 and 10, T. 47 N. R. 17 W., 200 ft. S. of crossroads, 53 ft. E. of NE. corner of farmhouse, 25 ft. W. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	819.675
Speed, about 1 mi. E. of, near E. sixteenth cor. sec. 9, T. 47 N., R. 17 W., 2 ft. S. and 5 ft. E. from E. gatepost, 6 ft. W. of 30-in. elm tree, N. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	816.214
Speed, in SE 1/4 sec. 8, T. 47 N., R. 17 W., in front of drug store, on NE. corner of concrete walk; chiseled square	667.00
T. 47 N., R. 17 W., near center sec. 7, about 1.2 mi. W. of Speed, 50 ft. S. and 35 ft. W. from SW. corner of dwelling of G. W. Chamberlain, 40 ft. N. of rd., 6 ft. S. and 8 ft. W. from 26-in. walnut tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet	797.502
T. 47 N., R. 17 W., near W. sixteenth cor. sec. 7, 400 ft. S. of brick dwelling, 10 ft. N. of rd., 2 ft. W. of gatepost, in concrete post; U.S.C. & G.S. and State Survey standard tablet	813.968
T. 47 N., Rs. 17 and 18 W., near cor. secs. 1, 6, 7, and 12, 300 ft. S. of State Highway 5 at rd. W. to Pilot Grove, E. of highway, in root of 30-in. elm tree; nail	808.92
T. 47 N., R. 18 W., near cor. secs. 1, 2, 11, and 12, 40 ft. S. of rd., in root of 18-in. white-oak tree; copper nail and washer	769.90
T. 47 N., R. 18 W., in W 1/2 sec. 2, on SW. corner of concrete pier of steel bridge over Petite Saline Creek; chiseled square	657.66
Pilot Grove, about 2.2 mi. E. of, in NW 1/4 NW 1/4 sec. 2, T. 47 N., R. 18 W., 75 ft. S. of SW. corner of Oakland School, in concrete post; U.S.C. & G.S. and State Survey standard tablet	694.677
Pilot Grove, about 2.2 mi. E., and 0.2 mi. N. from, about 0.2 mi. N. of Oakland School, 20 ft. S. and 60 ft. E. from T-rd., in front yard of dwelling of Mike Meyer, in concrete post; U.S.C. & G.S. and State Survey standard tablet	708.922
Pilot Grove, 1 mi. E. of, near cor. secs. 3, 4, 33, and 34, Tps. 47 and 48 N., R. 18 W., 20 ft. S. of rd., in root of 20-in. white-oak tree; spike	787.94
Pilot Grove, 88 ft. S. of intersection of Second and Row Streets, 11 ft. S. of flagpole, in SW. corner of concrete well curbing; standard tablet stamped "10 C W A 1934"	840.680
Reference mark, 75 ft. SW. of tablet, at entrance to building, on base of iron column; chiseled square	842.89
Pilot Grove, 0.2 mi. S. of, in SW 1/4 sec. 5, T. 47 N., R. 18 W., on S. end of E. wall of concrete culvert; chiseled square	808.24
Pilot Grove, 0.5 mi. S. of, in SW 1/4 sec. 5, T. 47 N., R. 18 W., on W. end of N. wall of small concrete bridge; chiseled square	764.43
Pilot Grove, 0.5 mi. S., thence 0.5 mi. W. from, in SW 1/4 sec. 5, T. 47 N., R. 18 W., on bottom step of Wesley Chapel; chiseled cross	822.43
T. 47 N., R. 18 W., near cor. secs. 5, 6, 7, and 8, 120 ft. W. of Missouri-Kansas-Texas R.R., 50 ft. N. of rd., in root of 48-in. elm tree; copper nail and washer	826.29
T. 47 N., R. 18 W., near quarter cor. between secs. 6 and 7, 0.5 mi. W. of Missouri-Kansas-Texas R.R., on W. end of S. wall of concrete culvert; chiseled square	837.99
T. 47 N., R. 19 W., near quarter cor. between secs. 1 and 12, on W. end of S. wall of concrete culvert; chiseled square	821.85
T. 47 N., R. 19 W., near quarter cor. between secs. 2 and 11, in SW. corner of bottom step of St. Paul's Evangelical Church; standard tablet stamped "11 C W A 1934"	833.475
Reference mark, 50 ft. S. and 20 ft. E. from tablet, on concrete block; chiseled square	832.01
T. 47 N., R. 19 W., in SW. cor. sec. 2, on E. end of N. wall of concrete culvert; chiseled square	802.95
T. 47 N., R. 19 W., near quarter cor. between secs. 9 and 10, 2 ft. N. and 26 ft. W. from NW. corner of farmhouse of Teresa Twenter, 45 ft. E. of rd., in concrete post; standard tablet stamped "253 C W A 1934"	647.947
Reference mark, 100 ft. W. of tablet, on NE. corner of concrete well block; chiseled square	642.79

3. FROM NELSON QUADRANGLE AT SEC. 16, T. 47 N., R. 19 W., NORTH TO SEC. 11, T. 48 N., R. 19 W. (by F. C. Lentz in 1936)
(Continued from Nelson quadrangle; see line 3.)

	<u>Feet</u>
T. 47 N., R. 19 W., in SW 1/4 sec. 10, 20 ft. N. of rd., in root of 18-in. walnut tree; copper nail and washer	755.36
T. 47 N., R. 19 W., in SW 1/4 sec. 10, 0.2 mi. SW. of bridge over Clear Creek, on center of E. head wall of concrete culvert; (mark not described)	640.01
T. 47 N., R. 19 W., in NW 1/4 sec. 10, 0.5 mi. N. of bridge over Clear Creek, at top of hill, 10 ft. N. of rd., on E. end of concrete culvert; chiseled square	805.30
T. 47 N., R. 19 W., near quarter cor. between secs. 3 and 10, 800 ft. N. of rd. E. to Pilot Grove, 20 ft. W. of rd., in root on E. side of 20-in. oak tree; nail	815.27
T. 47 N., R. 19 W., near center sec. 3, 20 ft. E. of T-rd. W., in root on W. side of 20-in. oak tree; nail	835.46
T. 48 N., R. 19 W., in W 1/2 sec. 34, 0.2 mi. E. of farmhouse of J. P. Mueller, 25 ft. N. of rd., in root on SW. side of 30-in. white-oak tree; copper nail and washer	804.33
(For balance in Nelson quadrangle, see line 3.)	
T. 48 N., R. 19 W., in NW 1/4 sec. 27, on E. end of top step of Buffalo Prairie School; chiseled square	717.64
T. 48 N., R. 19 W., near center sec. 22, 0.5 mi. S. and 0.2 mi. W. from bridge over Lamine River, on N. end of E. head wall of concrete culvert; chiseled square	621.77
T. 48 N., R. 19 W., in SE 1/4 sec. 15, about 1.5 mi. S. of U.S. Highway 40, in NE. wing wall of abutment of bridge (known as Arthur's Bluff Crossing) over Lamine River; standard tablet stamped "13 C W A 1934"	610.643
T. 48 N., R. 19 W., in SE 1/4 sec. 10, 0.2 mi. S. of U.S. Highway 40, W. of rd., in root on E. side of 18-in. elm tree; copper nail and washer	774.36
U.S.C. & G.S. standard disk stamped "N 97 1935"	773.227

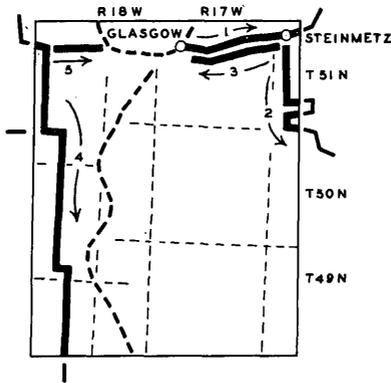
4. FROM GLASGOW QUADRANGLE AT SEC. 23, T. 49 N., R. 19 W., SOUTH ALONG ROADS (now County Route K) TO SEC. 11, T. 48 N., R. 19 W. (by G. R. Hamlin in 1936)
(Continued from Glasgow quadrangle; see line 4.)

T. 49 N., R. 19 W.; quarter cor. between secs. 26 and 27, 32 ft. N. and 390 ft. W. from T-rd. N., on SE. corner of concrete step at gate to yard of brick farmhouse; chiseled square	709.67
Blackwater, 0.5 mi. N. of, 31 ft. S. and 60 ft. E. from T-rd. S., 6 ft. S. and 12 ft. W. from telegraph pole, in concrete post; standard tablet stamped "1088 C W A 1934"	621.446
Blackwater, on NW. corner of first step at entrance to Missouri Pacific R.R. sta.; chiseled square	609.99
Blackwater, at SW. limits of, 20 ft. N. and 135 ft. E. from T-rd. E., 150 ft. W. of turn in gravel rd. NE.-S., in root on S. side of 14-in. elm tree; copper nail and washer	627.87
Blackwater, 1 mi. S. of, in SW 1/4 NW 1/4 sec. 3, T. 48 N., R. 19 W., 263 ft. N. and 57 ft. E. from rd. forks, 30 ft. E. of gravel rd. at curve, in concrete post; standard tablet stamped "T T 1089 C W A 1934"	711.295

For additional level lines along south bank of Missouri River and U.S. Highway 40, refer to United States Coast and Geodetic Survey first-order line, Jefferson City to Kansas City; and second-order line, Lexington to Boonville.

GLASGOW QUADRANGLE
(Latitude 39°00'-39°15'; longitude 92°45'-93°00')

Chariton, Cooper, Howard, and Saline Counties



1. FROM GLASGOW EAST ALONG ALTON RAILROAD INTO FAYETTE QUADRANGLE
(by D. V. Vandiver in 1905)

U.S.C.E. B.M. designated "159=47/3"

Copper bolt
Steinmetz, 95 ft. S. and 95 ft. E. from sta., 140 ft. S. of track, at
NW. corner of former post office building, set vertically in W. face
of stone foundation; aluminum tablet stamped "1905 800 Adj"

Feet
616.350
798.262

(Continued in Huntsville quadrangle; see line 1.)

2. FROM STEINMETZ SOUTH INTO FAYETTE QUADRANGLE AT SEC. 5, T. 50 N.,
R. 16 W. (by E. D. Harsha in 1934)

T. 51 N., R. 16 W., about 300 ft. S. of quarter cor. between secs. 7 and 18, at bridge over branch; surface of floor	747.5
T. 51 N., R. 16 W., near center sec. 18, 45 ft. S. and 75 ft. W. from bridge, 10 ft. N. of rd., at rd. corner N.-W., in root on S. side of 10-in. hickory tree; copper nail and washer	760.48
T. 51 N., R. 16 W., near W. sixteenth cor. sec. 18, at bridge over branch; surface of floor	734.8
T. 51 N., R. 16 and 17 W., near cor. secs. 13, 18, 19, and 24, 80 ft. N. and 20 ft. E. from T-rd. N., in root on E. side of lone 30-in. box-elder tree; copper nail and washer	786.06
T. 51 N., R. 16 W., near center of NW 1/4 sec. 19, at rd. forks, 12 ft. S. and 10 ft. W. from telephone pole; surface of rd.	769.7
T. 51 N., R. 16 W., in SW 1/4 sec. 19, 40 ft. S. and 25 ft. W. from bridge over Hurricane Creek, in root on NE. side of 10-in. cedar tree; copper nail and washer	756.92
T. 51 N., R. 16 W., near quarter cor. between secs. 19 and 30, at bridge over branch; surface of floor	766.8

(For balance in Fayette quadrangle, see line 3.)

T. 51 N., R. 16 W., about 1,000 ft. S. of center sec. 30, 14 ft. W. of rd., in fence line, in root on SE. side of lone 24-in. elm tree; notch	890.6
T. 51 N., R. 16 W., about 800 ft. S. of quarter cor. between secs. 30 and 31, in front of farmhouse of J. W. Gibbs, 18 ft. W. of rd., in root on NE. side of 36-in. locust tree; copper nail and washer	903.27
T. 51 N., R. 16 W., about 400 ft. S. of center sec. 31, 15 ft. W. of rd., in root on NE. side of 10-in. elm tree; notch	863.7
T. 51 N., R. 16 W., in SE 1/4 SW 1/4 sec. 31, about 600 ft. E. of rd. NW, 18 ft. N. of rd. at dip, in fence line, in root on NW. side of lone 36-in. elm tree; copper nail and washer	847.83
T. 50 N., R. 16 W., near N. sixteenth cor. between secs. 5 and 6, opposite first post N. of corner post of fence N. of farmhouse of E. W. Besgrove; surface of rd.	873.6

(Continued in Fayette quadrangle; see line 3.)

3. FROM STEINMETZ WEST ALONG ALTON RAILROAD TO GLASGOW (by
E. D. Harsha in 1934)

Steinmetz, about 1 mi. W. of, S. of R.R., at NE. corner of foundation of
semaphore 128; top of bolt

756.00

	<u>Feet</u>
Steinmetz, about 2.2 mi. W. of, 800 ft. W. of bridge of State Highway 20 over R.R., in center of W. end of S. head wall of underpass D-378.7; standard tablet stamped "8 H 1934"	705.551
Steinmetz, 3.1 mi. W. of, 1.9 mi. E. of Glasgow, 50 ft. S. of R.R., in right-of-way fence line, in root on SW. side of 10-in. elm tree; copper nail and washer	663.96
Glasgow, 1.2 mi. E. of sta., 300 ft. N. of rd. crossing, on SE. corner of semaphore 131; top of bolt	657.44
Glasgow, at sta.; top of N. rail	665.3
U.S.C. & G.S. standard disk stamped "L 12 1930"	618.171
4. FROM MARSHALL QUADRANGLE AT SEC. 5, T. 51 N., R. 19 W., SOUTH INTO PILOT GROVE QUADRANGLE AT SEC. 23, T. 49 N., R. 19 W. (by G. R. Hamlin 1936) (Continued from Marshall quadrangle; see line 2.)	
Gilliam, at S. limits of, 25 ft. N. and 15 ft. E. from State Highway 240 at Main Street N., on N. end of E. concrete head wall of culvert; chiseled square	797.82
Gilliam, about 0.5 mi. E. of, along State Highway 20 (now State Highway 240), 30 ft. N. and 18 ft. W. from junction of rd. S., in concrete post; standard tablet stamped "1081 C W A 1934"	813.158
T. 51 N., R. 19 W., W. sixteenth cor. sec. 9, 35 ft. N. and 12 ft. E. from T-rd. E., on E. end of concrete head wall of culvert; chiseled square	700.34
T. 51 N., R. 19 W., W. sixteenth cor. between secs. 9 and 16, 45 ft. E. of T-rd. W., in root on W. side of 8-in. hedge tree; copper nail and washer	775.65
T. 51 N., R. 19 W., near W. sixteenth cor. between secs. 16 and 21, 34 ft. S. and 10 ft. W. from rd. corner N.-E., 16 ft. S. and 2 ft. E. from twin 18-in. hawthorn tree in fence corner, in concrete post; standard tablet stamped "1082 C W A 1934"	674.984
T. 51 N., R. 19 W., N. sixteenth cor. sec. 21, 48 ft. N. and 15 ft. W. from T-rd. E., in root on S. side of 30-in. elm tree; copper nail and washer	693.83
T. 51 N., R. 19 W., near quarter cor. between secs. 21 and 28, 15 ft. S. and 15 ft. W. from T-rd. N., in root on N. side of 8-in. cedar tree; copper nail and washer	794.76
T. 51 N., R. 19 W., center of NW 1/4 sec. 28, 15 ft. S. and 10 ft. E. from T-rd. W., in root on W. side of 8-in. cedar tree; nail and washer	797.59
T. 51 N., R. 19 W., W. sixteenth cor. between secs. 28 and 33, 19 ft. S. and 15 ft. W. from T-rd. N., 19 ft. S. and 55 ft. E. from small wooden bridge, in concrete post; standard tablet stamped "1083 C W A 1934"	732.978
Reference mark, 85 ft. N. 45° W. of tablet, in root on S. side of twin 6-in. elm tree; copper nail and washer	730.32
T. 51 N., R. 19 W., cor. secs. 27, 28, 33, and 34, 12 ft. N. and 132 ft. W. from T-rd. N., on N. end of iron pipe culvert; chiseled square	754.36
T. 51 N., R. 19 W., W. sixteenth cor. between secs. 27 and 34, 20 ft. N. and 15 ft. E. from T-rd. S., in root on W. side of 8-in. mulberry tree; copper nail and washer	796.28
T. 50 N., R. 19 W., center sec. 3, 78 ft. N. and 45 ft. E. from crossroads, 13 ft. S. and 8 ft. W. from SW. corner of St. Paul's Lutheran Church, in concrete post; standard tablet stamped "1084 C W A 1934"	767.208
T. 50 N., R. 19 W., center sec. 10, 27 ft. S. and 20 ft. E. from T-rd. E., in root on W. side of triple hackberry tree; copper nail and washer	724.13
T. 50 N., R. 19 W., quarter cor. between secs. 10 and 15, 35 ft. N. and 12 ft. W. from crossroads, on N. end of W. concrete head wall of culvert; chiseled square	699.27
T. 50 N., R. 19 W., center sec. 15, 20 ft. S. and 20 ft. E. from T-rd. E., 90 ft. S. of T-rd. W., in root on W. side of 30-in. white-oak tree; copper nail and washer	641.99
T. 50 N., R. 19 W., quarter cor. between secs. 15 and 22, 22 ft. S. and 25 ft. E. from T-rd. E., in root on W. side of 8-in. walnut tree; copper nail and washer	669.71
T. 50 N., R. 19 W., about 0.2 mi. S. of center sec. 22, 0.7 mi. N. of State Highway 41, 8 ft. N. and 38 ft. E. from farmhouse of K. Fritz, 26 ft. W. of rd., in concrete post; standard tablet stamped "1085 C W A 1934"	757.220
T. 50 N., R. 19 W., near center sec. 27, 28 ft. N. and 15 ft. E. from State Highway 41 at crossroad, on N. end of concrete pipe culvert; chiseled square	764.32
T. 50 N., R. 19 W., center sec. 34, 100 ft. N. and 25 ft. W. from T-rd. W., in root on E. side of 30-in. elm tree; copper nail and washer	692.11
T. 50 N., R. 19 W., S. quarter cor. sec. 34, about 1.5 mi. S. of State Highway 41, 28 ft. S. and 8 ft. W. from T-rd. N., 2 ft. S. of fence, in concrete post; standard tablet stamped "1086 C W A 1934"	719.392
T. 50 N., R. 19 W., S. cor. secs. 34 and 35, 25 ft. S. and 12 ft. W. from T-rd. S., on S. end of W. concrete head wall of culvert; chiseled square	666.46
T. 49 N., R. 19 W., cor. secs. 2, 3, 10, and 11, 15 ft. S. and 15 ft. E. from T-rd. S., on E. end of S. concrete head wall of culvert; chiseled square	726.09
T. 49 N., R. 19 W., cor. secs. 10, 11, 14, and 15, 18 ft. N. and 14 ft. E. from crossroads, on top of concrete base of corner fence post; chiseled square	742.20
T. 49 N., R. 19 W., quarter cor. between secs. 14 and 15, 23 ft. S. and 50 ft. W. from T-rd. W., 3 ft. S. of fence, in concrete post; standard tablet stamped "1087 C W A 1934"	732.123
T. 49 N., R. 19 W., cor. secs. 14, 15, 22, and 23, 15 ft. N. and 22 ft. W. from crossroads, on concrete base of corner fence post; chiseled square	732.54

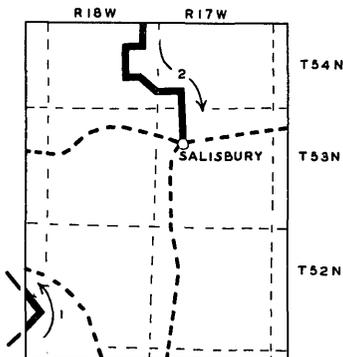
T. 49 N., R. 19 W., quarter cor. between secs. 22 and 23, 12 ft. S. and 20 ft. E. from T-rd. W., on concrete base of corner fence post; chiseled square Feet
695.46

(Continued in Pilot Grove quadrangle; see line 4.)

- 5. FROM GILLIAM EAST ALONG STATE HIGHWAY 240 TO SEC. 1, T. 51 N., R. 19 W. (by G. R. Hamlin in 1936)
- T. 51 N., R. 19 W., quarter cor. between secs. 3 and 4, 25 ft. N. and 30 ft. W. from junction of rd. S., on S. end of W. concrete head wall of culvert; chiseled square 750.67
- T. 51 N., R. 19 W., near center sec. 3, 18 ft. N. and 15 ft. W. from crossroad, on W. end of N. concrete head wall of culvert; chiseled square 740.68
- T. 51 N., R. 19 W., near center sec. 2, 150 ft. N. and 380 ft. W. from junction of rd. W., on E. end of S. concrete head wall of culvert; chiseled square 699.04
- T. 51 N., R. 19 W., near quarter cor. between secs. 1 and 2, 25 ft. N. and 30 ft. E. from crossroad, on W. end of N. concrete head wall of culvert; chiseled square 651.64
- U.S.C.E. B.M. designated "162" 624.349
- Copper bolt 628.417
- Top of cap

For additional level lines along Wabash Ry. and west bank of Missouri River, refer to United States Coast and Geodetic Survey first-order lines; Minneapolis, Minn. to Glasgow, Mo. and Jefferson City to Kansas City.

SALISBURY QUADRANGLE
(Latitude 39°15'-39°30'; longitude 92°45'-93°00')
Chariton, Howard, and Saline Counties



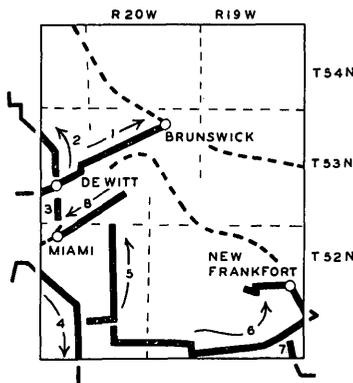
- 1. FROM BRUNSWICK QUADRANGLE AT SEC. 20, T. 52 N., R. 19 W., NORTH-WEST INTO BRUNSWICK QUADRANGLE AT SEC. 17, T. 52 N., R. 19 W. (by G. R. Hamlin in 1936) 767.42
(Continued from Brunswick quadrangle; see line 6.)
- T. 52 N., R. 19 W., near cor. secs. 16, 17, 20, and 21, 40 ft. S. and 69 ft. W. from rd. forks NW., NE., and SW., in root on W. side of 15-in. hickory tree; copper nail and washer
- (Continued in Brunswick quadrangle; see line 6.)
- 2. FROM MARCELINE QUADRANGLE AT SEC. 12, T. 54 N., R. 18 W., SOUTH TO POINT 2.8 MILES WEST OF SALISBURY (by W. V. Kennedy in 1937)
- T. 54 N., R. 18 W., in S 1/2 sec. 12, 45 ft. W. of rd. forks N., NE., and SW., in concrete post; standard tablet stamped "Prim Trev Sta No 49 F 1924" 707.513
- T. 54 N., R. 18 W., in S 1/2 sec. 12, 80 ft. N. and 15 ft. W. from rd. forks S., W., and NE., in root on SW. side of 12-in. white-oak tree; crossed nails 738.84
- T. 54 N., R. 18 W., W. sixteenth cor. between secs. 13 and 24, 75 ft. N. and 25 ft. W. from rd. corner N.-W. and private rd. E., in root on W. side of 8-in. locust tree; copper nail and washer 699.23

	<u>Feet</u>
T. 54 N., R. 18 W., quarter cor. between secs. 14 and 23, 200 ft. NE. of O'Bryan School, 15 ft. S. and 35 ft. W. from crossroads, on SE. corner of S. end of large concrete culvert; chiseled square	689.22
T. 54 N., R. 18 W., near S. sixteenth cor. sec. 25, 90 ft. S. and 10 ft. W. from T-rd. E., on W. end of iron pipe culvert; chiseled square	686.27
T. 54 N., R. 18 W., center sec. 26, 75 ft. S. and 30 ft. E. from crossroads, in root on NW. side of 18-in. post-oak tree; copper nail and washer	660.88
Kremel School, 45 ft. S. and 100 ft. W. from T-rd. S., on NE. corner of concrete platform of cistern; chiseled square	666.13
T. 54 N., R. 18 W., W. sixteenth cor. sec. 25, 10 ft. S. and 25 ft. E. from T-rd. N., on S. end of iron pipe culvert; chiseled square	661.88
T. 54 N., R. 18 W., in SE 1/4 SE 1/4 sec. 25, on SW. abutment of bridge across Chariton River; standard tablet (set by water-resources branch of U.S.Geol. Survey)	647.478 640.14
Small bridge, on SE. wing wall; chiseled square	
T. 54 N., R. 17 W., quarter cor. between secs. 29 and 32, at S. side of yard of Colman School, 25 ft. N. and 70 ft. W. from crossroads, in root on S. side of 40-in. maple tree; copper nail and washer	654.33
T. 54 N., R. 17 W., in SE 1/4 sec. 32, 60 ft. N. and 30 ft. E. from T-rd. W., in SW. corner of farmyard, in root on NW. side of 26-in. maple tree; copper nail and washer	653.07
T-rd. N., 70 ft. N. and 20 ft. E. from, in root on N. side of 14-in. hickory tree; crossed nails	658.33
T. 53 N., R. 17 W., E. sixteenth cor. sec. 5, 45 ft. N. and 20 ft. W. from junction of rd. N., in root on SE. side of 18-in. elm tree; copper nail and washer	701.56
T. 53 N., R. 17 W., center sec. 5, 25 ft. S. and 20 ft. E. from T-rd. S., on E. head wall of concrete culvert; chiseled square	695.37
T. 53 N., R. 17 W., quarter cor. between secs. 5 and 8, 12 ft. S. and 100 ft. E. from T-rd. N., in root on E. side of 16-in. wild-cherry tree; copper nail and washer	701.17 666.124
U.S.C. & G.S. standard disk stamped "A 12 1930"	

For additional level lines along Wabash Ry. and south bank of Missouri River, refer to United States Coast and Geodetic Survey first-order lines; Minneapolis, Minn. to Glasgow, Mo., Jefferson City to Kansas City; and second-order line, Hannibal, to Salisbury.

BRUNSWICK QUADRANGLE
(Latitude 39°15'-39°30'; longitude 93°00'-93°15')

Carroll, Chariton, and Saline Counties



1. FROM CARROLLTON QUADRANGLE NORTHEAST ALONG U.S. HIGHWAY 24 TO BRUNSWICK (by E. A. Barnes in 1936)
(Continued from Carrollton quadrangle; see line 2.)

De Witt, 1 mi. W. of, 32 ft. S. and 36 ft. W. from crossroad, 2 ft. S. and 19 ft. W. from fence corner, in concrete post; standard tablet stamped "1054 C W A 1934" (to be reset at same elevation)	726.576
De Witt, at W. limits of, on W. end of concrete base of gasoline pumps; chiseled square	753.92
De Witt, at N. limits of, 40 ft. N. of N. corner of filling sta., 42 ft. E. of highway, on center of top concrete step of drain pit; chiseled square	719.83
De Witt, 1.3 mi. E. of, opposite Wabash Ry. bridge 503-C, 1 ft. S. of N. end at NE. corner of concrete bridge, on inside curb; chiseled square	644.07 639.5

	<u>Feet</u>
De Witt, 3.4 mi. NE. of, 3.6 mi. SE. of Brunswick, 305 ft. NE. of cross-road, on inside curb at NW. corner of concrete bridge; chiseled square	643.44
Junction of rd. W.; surface of highway	640.3
Brunswick, 2.5 mi. SW. of, 120 ft. SW. of junction of rd. SW., on inside curb at NW. corner of concrete bridge; chiseled square	643.00
Wabash Ry. at rd. crossing; top of S. rail	645.74
Brunswick, 1 mi. W. of, about 800 ft. E. of junction of State Highway 11, on center of N. head wall of concrete culvert; chiseled square	649.80
U.S.C. & G.S. standard disk stamped "T 11 1930"	646.642

2. FROM SEC. 23, T. 53 N., R. 21 W., NORTH INTO CARROLLTON QUADRANGLE AT SEC. 10, T. 53 N., R. 21 W. (by B. A. Barnes in 1936)

Junction of driveway, 15 ft. N. and 30 ft. E. from, near farmhouse, in root on E. side of 28-in. wild-cherry tree; crossed nails	745.84
T. 53 N., R. 21 W., near cor. secs. 14, 15, 22, and 23, 15 ft. N. and 100 ft. E. from crossroads, in root on NW. side of 18-in. elm tree; copper nail and washer	697.42
T. 53 N., R. 21 W., quarter cor. between secs. 14 and 15, at Gwinn School, 35 ft. N. and 200 ft. E. from crossroads, 2 ft. W. of flagpole, on concrete walk; chiseled square	705.04
T. 43 N., R. 21 W., in SE 1/4 NE 1/4 sec. 10, about 300 ft. NW. of rd. corner S.-NW., 30 ft. N. of rd., in root on NE. side of 24-in. cotton-wood tree; nail	642.23
Bridge over Big Creek, on W. pier at upstream side of bridge, on top of bolt; chiseled cross	641.62

(Continued in Carrollton quadrangle; see line 3.)

3. FROM De WITT SOUTH TO SEC. 26, T. 53 N., R. 21 W. (by B. A. Barnes in 1936)

De Witt, about 0.7 mi. SW. of, in N 1/2 sec. 26, T. 53 N., R. 21 W., on highest ground in vicinity, U.S.C.E. iron post; top of cap	806.136
Reference mark; U.S.C. & G.S. standard reference disk	795.531

4. FROM CARROLLTON QUADRANGLE AT SEC. 18, T. 52 N., R. 21 W., SOUTHEAST TO SEC. 20, T. 52 N., R. 21 W., THENCE SOUTH ALONG STATE HIGHWAY 41 INTO MARSHALL QUADRANGLE (by G. R. Hamlin in 1936)

(Continued from Carrollton quadrangle; see line 6.)

T. 52 N., R. 21 W., near quarter cor. between secs. 17 and 18, 26 ft. N. and 89 ft. W. from rd. forks N., W., and SE., 2 ft. N. of fence, in concrete post; standard tablet stamped "496 C W A 1934"	691.240
T. 52 N., R. 21 W., near center of NW 1/4 sec. 20, 20 ft. S. and 5 ft. E. from T-rd. N., in root on N. side of 12-in. black-oak tree; copper nail and washer	778.93
Rd. corner E.-S. at private rd. W., 10 ft. N. and 32 ft. E. from, on N. end of iron pipe culvert; chiseled square	781.27
Rd. corner E.-S., 70 ft. S. and 15 ft. W. from, in root on S. side of 6-in. locust tree; crossed nails	813.68
T. 52 N., R. 21 W., quarter cor. between secs. 20 and 21, 65 ft. S. and 39 ft. E. from crossroad, 38 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "1062 C W A 1934"	762.055
T. 52 N., R. 21 W., cor. secs. 20, 21, 28, and 29, 15 ft. S. and 22 ft. W. from junction of rd. E., on W. end of S. concrete head wall of culvert; chiseled square	727.19
T. 52 N., R. 21 W., near line between secs. 28 and 29, on E. end of S. concrete head wall of culvert; chiseled square	699.51
T. 52 N., R. 21 W., near quarter cor. between secs. 28 and 33, 20 ft. S. and 20 ft. W. from crossroad, on W. end of S. concrete head wall of culvert; chiseled square	724.70
T. 52 N., R. 21 W., in N 1/2 sec. 33, on S. end of W. concrete head wall of culvert; chiseled square	755.36

(Continued in Marshall quadrangle; see line 3.)

5. FROM SEC. 21, T. 52 N., R. 21 W., NORTH TO SEC. 26, T. 53 N., R. 21 W. (by G. R. Hamlin in 1936)

T. 52 N., R. 21 W., quarter cor. between secs. 21 and 22, 30 ft. S. and 205 ft. W. from junction of abandoned rd. S., in root on N. side of twin 24-in. walnut tree; copper nail and washer	751.15
T. 52 N., R. 21 W., near W. sixteenth cor. sec. 23, 96 ft. N. and 65 ft. E. from N. end of steel bridge, 65 ft. N. and 55 ft. E. from rd. forks, 2 ft. W. of fence in line with rd. N., in concrete post; standard tablet stamped "1074 C W A 1934"	700.155
T. 52 N., R. 21 W., W. sixteenth cor. sec. 14, 15 ft. S. and 520 ft. W. from rd. corner W.-N., on S. end of iron pipe culvert; chiseled square	742.19
T. 52 N., R. 21 W., center of SW 1/4 sec. 11, 30 ft. S. and 20 ft. E. from County Route C at N.-S. crossroad, in root on S. side of triple hedge stump; copper nail and washer	785.47

	<u>Feet</u>
T. 52 N., R. 21 W., near quarter cor. between secs. 10 and 11, 18 ft. S. and 15 ft. E. from T-rd. N., on E. end of iron pipe culvert; chiseled square	778.05
Miami, about 2 mi. E. of, near quarter cor. between secs. 2 and 3, T. 52 N., R. 21 W., 20 ft. S. and 120 ft. W. from T-rd. S., 20 ft. S. and 12 ft. W. from T-rd. N., in concrete post; standard tablet stamped "1075 C W A 1934"	681.845
Rd. corner S.-E., 70 ft. S. and 12 ft. E. from, in root on W. side of 14-in. elm tree; crossed nails	750.39
T. 53 N., R. 21 W., quarter cor. between secs. 34 and 35, 22 ft. N. and 18 ft. W. from crossroads, in root on E. side of 6-in. hedge tree; copper nail and washer	703.23
T. 53 N., R. 21 W., quarter cor. between secs. 26 and 27, 12 ft. N. and 30 ft. W. from T-rd. S., in root on E. side of 8-in. walnut tree; copper nail and washer	638.04
Bridge over drainage ditch, in NW. corner of N. steel girder; painted rivet	645.32
Hawkins triangulation sta.; Missouri River Commission iron post designated "Hawkins"	781.688
Top of cap	787.854
6. FROM SEC. 23, T. 52 N., R. 21 W., EAST TO SEC. 30, T. 52 N., R. 19 W., THENCE NORTHEAST TO NEW FRANKFORT, THENCE WEST TO SEC. 11, T. 52 N., R. 20 W. (by G. R. Hamlin in 1936)	
Junction of private rd. W., 30 ft. S. and 12 ft. W. from, on S. end of W. concrete head wall of culvert; chiseled square	713.20
T. 52 N., R. 21 W., W. sixteenth cor. sec. 26, 87 ft. S. and 40 ft. E. from T-rd. E., in root on W. side of 12-in. walnut tree; copper nail and washer	758.20
T. 52 N., R. 21 W., quarter cor. between secs. 25 and 26, 145 ft. N. and 27 ft. W. from crossroads, in root on W. side of 20-in. locust tree; copper nail and washer	742.56
T. 52 N., R. 20 and 21 W., near quarter cor. between secs. 25 and 30, 20 ft. N. and 80 ft. W. from rd. at hedge fence N., in root on S. side of triple wild-cherry tree; crossed nails	738.41
T. 52 N., R. 20 W., in SE 1/4 NW 1/4 sec. 30, 40 ft. N. and 18 ft. E. from junction of private rd. N. to farmhouse of Phillip Ryan, 21 ft. N. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "1076 C W A 1934"	748.745
T. 52 N., R. 20 W., W. sixteenth cor. sec. 29, 20 ft. N. and 102 ft. E. from T-rd. N., in root on S. side of 12-in. hedge tree; copper nail and washer	820.94
T. 52 N., R. 20 W., quarter cor. between secs. 28 and 29, 90 ft. E. of County Route C at rd. W., in E.-W. fence line, in root on S. side of 12-in. hedge tree; copper nail and washer	844.60
T. 52 N., R. 20 W., cor. secs. 28, 29, 32, and 33, 35 ft. S. and 30 ft. E. from County Route C at rd. E., in root on N. side of 30-in. cottonwood tree; copper nail and washer	820.75
T. 52 N., R. 20 W., about 750 ft. W. of cor. secs. 27, 28, 33, and 34, 36 ft. S. and 72 ft. W. from SW. corner of Garnett School, 26 ft. N. of rd., in concrete post; standard tablet stamped "1077 C W A 1934"	791.682
T. 52 N., R. 20 W., on line between secs. 27 and 34, on E. end of S. concrete head wall of culvert; chiseled square	812.444
T. 52 N., R. 20 W., W. sixteenth cor. between secs. 26 and 35, 40 ft. S. of T-rd. N., in fence line, in root on N. side of 10-in. hedge tree; copper nail and washer	832.95
T. 52 N., R. 20 W., cor. secs. 25, 26, 35, and 36, 45 ft. N. and 15 ft. E. from T-rd. N., in root on S. side of 12-in. locust tree; copper nail and washer	842.69
T. 52 N., R. 20 W., about 715 ft. E. of quarter cor. between secs. 25 and 36, 124 ft. N. and 62 (35 ?) ft. W. from NW. corner of Good Luck School, 34 ft. S. of rd., 16 ft. S. of rail fence, in concrete post; standard tablet stamped "1078 C W A 1934"	812.380
T. 52 N., R. 19 W., center of SW 1/4 sec. 30, 5 ft. S. and 20 ft. E. from rd. corner W.-N. and abandoned rd. S., in root on N. side of 15-in. elm tree; copper nail and washer	835.01
T. 52 N., R. 19 W., center of NE 1/4 sec. 30, 15 ft. S. and 270 ft. E. from T-rd. N., in root on N. side of 10-in. black-oak tree; copper nail and washer	809.88
Rd. corner SW.-E., 18 ft. S. and 18 ft. E. from, in root on N. side of 24-in. elm tree; copper nail and washer	782.65
T. 52 N., R. 19 W., near quarter cor. between secs. 20 and 29, 49 ft. N. and 35 ft. E. from rd. forks N., E., and SW., 64 ft. N. and 18 ft. E. from 18-in. black-oak tree, 2 ft. W. of fence, in concrete post; standard tablet stamped "1079 C W A 1934"	791.071
(For balance in Salisbury quadrangle, see line 1.)	
Culvert, at E. end of N. head wall; top of bolt	684.93
T. 52 N., R. 19 W., S. sixteenth cor. sec. 17, 34 ft. N. and 27 ft. E. from T-rd. N., on E. end of N. head wall of concrete culvert; chiseled square	675.17
T. 52 N., R. 19 W., quarter cor. between secs. 8 and 17, 45 ft. S. and 12 ft. E. from T-rd. W., on N. end of NE. wing wall of steel bridge; chiseled square	632.86
New Frankfort, 43 ft. S. and 21 ft. W. from crossroads, 8 ft. N. and 68 ft. W. from entrance to brick church, 3 ft. W. of fence, in concrete post; standard tablet stamped "1080 C W A 1934"	713.569

	<u>Feet</u>
U.S.C.E. B.M. designated "166-49/1"	
Copper bolt	625.406
Top of cap	629.484
T. 52 N., R. 19 W., near N. sixteenth cor. between secs. 7 and 8, 15 ft. S. and 20 1/2 ft. E. from T-rd. N., on E. end of S. concrete head wall of culvert; chiseled square	711.26
T. 52 N., R. 19 W., near W. sixteenth cor. sec. 7, 100 ft. N. and 15 ft. E. from T-rd. W., in root on W. side of 12-in. pecan tree; copper nail and washer	716.05
T. 52 N., R. 20 W., center sec. 12, 20 ft. S. and 22 ft. W. from T-rd. E. and private rd. W., in root on S. side of 2 1/4-in. white-oak tree; copper nail and washer	724.13
T. 52 N., R. 20 W., quarter cor. between secs. 12 and 13, 18 ft. N. and 36 ft. E. from T-rd. N., in root on S. side of 15-in. elm tree; copper nail and washer	747.83
T. 52 N., R. 20 W., near E. sixteenth cor. between secs. 11 and 14, 180 ft. N. of T-rd. E., on S. end of W. concrete head wall of culvert; chiseled square	778.69
High Hill triangulation sta.; U.S.C. & G.S. standard disk designated "High Hill"	851.344
7. FROM SEC. 20, T. 52 N., R. 19 W., SOUTH INTO MARSHALL QUADRANGLE AT SEC. 32, T. 52 N., R. 19 W. (by G. R. Hamlin in 1936)	
T. 52 N., R. 19 W., in SE 1/4 sec. 29, on S. end of E. concrete floor railing of steel bridge; chiseled square	654.62
T. 52 N., R. 19 W., E. sixteenth cor. between secs. 29 and 32, 105 ft. S. and 18 ft. W. from crossroads, in root on W. side of 12-in. hedge tree; copper nail and washer	737.56
(Continued in Marshall quadrangle; see line 2.)	
8. FROM SEC. 26, T. 53 N., R. 21 W., SOUTHWEST TO MIAMI (by G. R. Hamlin in 1936)	
T. 53 N., R. 21 W., center sec. 27, 25 ft. N. and 10 ft. E. from T-rd. N., in root on E. side of 72-in. cottonwood tree; copper nail and washer	639.31
U.S.C.E. tablet stamped "U.S. Eng. Dept."	642.374
U.S.C.E. B.M. iron pipe	
Copper bolt	640.640
Top of cap	644.726
Miami, about 1.5 mi. E. of, 156 ft. N. and 12 ft. W. from T-rd. W., on S. end of W. concrete head wall of culvert; chiseled square	647.89
U.S.C.E. B.M. designated "175"	
Copper bolt	643.588
Top of cap	647.669
U.S.C.E. T.B.M. designated "358" (U.S.C. & G.S. elevation)	647.404

For an additional level line along south bank of Missouri River and Wabash Ry., refer to United States Coast and Geodetic Survey first-order lines; Jefferson City to Kansas City and Minneapolis, Minn. to Glasgow, Mo.

Carrollton, about 9.4 mi. N. of, 58 ft. S. and 24 ft. W. from E.-W. crossroad, 84 ft. N. and 23 ft. E. from NE. corner of Van Horn Church, 18 ft. S. of entrance to cemetery, in concrete post; standard tablet stamped "1047 C W A 1934"	<u>Feet</u> 800.973
Carrollton, about 10.5 mi. N. of, 15 ft. N. and 18 ft. E. from E.-W. crossroad, on center of E. head wall of concrete culvert; chiseled square	752.70

2. FROM CARROLLTON EAST ALONG U.S. HIGHWAY 24 INTO BRUNSWICK QUADRANGLE (by B. A. Barnes in 1936)

Carrollton, at junction of U.S. Highway 65 N.; surface of highway	668.5
Carrollton, 1.3 mi. E. of, on NE. wing wall of bridge J-30; chiseled square	670.43 674.86
Carrollton, 2 mi. E. of, on SE. wing wall of bridge J-684; chiseled square	752.476
Carrollton, 3 mi. E. of, 90 ft. S. and 121 ft. W. from SW. corner of farmhouse of Nathan D. Stein, 42 ft. N. of highway, 3 ft. N. and 14 ft. W. from fence corner, in concrete post; standard tablet stamped "1050 C W A 1934"	756.3
Carrollton, about 3.5 mi. E. of, at crossroad; surface of highway	794.15
Carrollton, 4.1 mi. E. of, 21 ft. N. and 48 ft. W. from junction of rd. N., on center of N. head wall of concrete culvert; chiseled square	820.69
Carrollton, 4.8 mi. E. of, 22 ft. S. and 15 ft. E. from junction of rd. S., on center of E. head wall of concrete culvert; chiseled square	793.057
Carrollton, 6.2 mi. E. of, near cor. secs. 28, 29, 32, and 33, T. 53 N., R. 22 W., 46 ft. N. and 61 ft. E. from crossroad, 97 ft. S. of entrance to church, in concrete post; standard tablet stamped "1051 C W A 1934"	789.72
Carrollton, 6.7 mi. E. of, 20 ft. N. and 20 ft. E. from junction of County Route B, on center of W. head wall of concrete culvert; chiseled square	761.88
Carrollton, 7.4 mi. E. of, center of NW 1/4 sec. 34, T. 53 N., R. 22 W., 20 ft. N. and 130 ft. W. from crossroads, on center of N. head wall of concrete culvert; chiseled square	781.06
Carrollton, 8 mi. E. of, in SE 1/4 NE 1/4 sec. 34, T. 53 N., R. 22 W., 20 ft. S. and 12 ft. W. from junction of rd. S., on center of W. head wall of concrete culvert; chiseled square	702.934
Leta, 34 ft. S. and 17 ft. E. from junction of County Route H, 37 ft. N. and 52 ft. E. from NE. corner of general merchandise store, in concrete post; standard tablet stamped "1052 C W A 1934"	671.83
De Witt, 5.1 mi. W. of, 20 ft. N. and 90 ft. E. from junction of rd. N., on W. end of concrete culvert; chiseled square	668.31
De Witt, 4.3 mi. W. of, 2 ft. E. of NW. corner of concrete bridge, on inside curb; chiseled square	704.46
De Witt, 3.6 mi. W. of, 20 ft. N. and 10 ft. W. from junction of rd. N., on center of W. head wall of concrete culvert; chiseled square	741.874
De Witt, about 3 mi. W. of, 29 ft. S. and 108 ft. E. from U.S. Highway 24 at rd. S. to Miami Station, 91 ft. E. of 15-in. elm tree in fence corner, in concrete post; standard tablet stamped "1053 C W A 1934"	784.24
De Witt, 2.3 mi. W. of, 12 ft. N. and 46 ft. E. from junction of rd. E., in root on W. side of 18-in. walnut tree; copper nail and washer	734.17
De Witt, 1.7 mi. W. of, 18 ft. N. and 30 ft. W. from crossroad, on center of N. head wall of concrete culvert; chiseled square	

(Continued in Brunswick quadrangle; see line 1.)

3. FROM BRUNSWICK QUADRANGLE AT SEC. 10, T. 53 N., R. 21 W., NORTHWEST INTO HALE QUADRANGLE AT SEC. 13, T. 54 N., R. 22 W. (by B. A. Barnes in 1936)

(Continued from Brunswick quadrangle; see line 2.)

T. 53 N., R. 21 W., cor. secs. 3, 4, 9, and 10, 58 ft. N. and 26 ft. W. from T-rd. N., 41 ft. N. and 5 ft. W. from fence corner, in concrete post; standard tablet stamped "1055 C W A 1934"	661.339
T. 53 N., R. 21 W., quarter cor. between secs. 3 and 4, 40 ft. S. and 12 ft. E. from T-rd. E., on center of SE. concrete wing wall of small bridge; chiseled square	646.23
T. 53 N., R. 21 W., N. cor. secs. 3 and 4, 40 ft. S. and 260 ft. W. from T-rd. S., on NE. corner of concrete sidewalk leading to farmhouse of Mrs. Pratt; chiseled square	687.14
T. 54 N., R. 21 W., quarter cor. between secs. 33 and 34, 9 ft. N. and 27 ft. W. from T-rd. W., in root on NW. side of 14-in. elm tree; copper nail and washer	700.24
T. 54 N., R. 21 W., center sec. 32, 16 ft. S. and 56 ft. E. from T-rd. E., 6 ft. E. of transmission-line pole, in concrete post; standard tablet stamped "1056 C W A 1934"	724.436
T. 54 N., R. 21 W., center sec. 29, 18 ft. N. and 25 ft. W. from crossroads, in root on E. side of 18-in. ash tree; copper nail and washer	713.90
T. 54 N., R. 21 W., center sec. 20, 125 ft. S. and 15 ft. E. from T-rd. S., in root on SW. side of twin 8-in. white-oak tree; copper nail and washer	699.60
T. 54 N., R. 21 W., quarter cor. between secs. 19 and 20, 22 ft. N. and 26 ft. E. from T-rd. E., 4 ft. N. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "1057 C W A 1934"	714.142
T. 54 N., R. 21 W., near cor. secs. 17, 18, 19, and 20, 24 ft. N. and 10 ft. E. from T-rd. W., on center of concrete wing wall on SE. corner of bridge; chiseled square	681.16
T. 54 N., R. 22 W., E. cor. secs. 13 and 24, 60 ft. S. and 10 ft. E. from T-rd. W., on N. side of Atochison, Topeka & Santa Fe Ry., on head wall of concrete retaining wall; chiseled square	713.46

4. FROM SEC. 12, T. 54 N., R. 22 W., WEST INTO NORBORNE QUADRANGLE AT SEC. 17, T. 54 N., R. 23 W., INCLUDING THAT PART OF THE LINE IN HALE QUADRANGLE (by E. A. Barnes in 1936)*

	<u>Feet</u>
T. 54 N., R. 22 W., E. cor. secs. 12 and 13, 18 ft. S. and 19 ft. W. from T-rd. W., 356 ft. S. and 19 ft. W. from T-rd. E. at W. cor. secs. 7 and 18, T. 54 N., R. 21 W.; iron post stamped "Prim Trav Sta No 58 S 1921"	762.972
T. 54 N., R. 22 W., on line between secs. 12 and 13, on wing wall at SW. corner of concrete bridge; (mark not described)	693.42
T. 54 N., R. 22 W., cor. secs. 11, 12, 13, and 14, 40 ft. S. and 60 ft. E. from crossroads, on S. head wall of concrete culvert; chiseled square	716.21
T. 54 N., R. 22 W., cor. secs. 10, 11, 14, and 15, 15 ft. N. and 30 ft. W. from crossroads, in root on SE. side of 8-in. elm tree; copper nail and washer	724.75
T. 54 N., R. 22 W., cor. secs. 9, 10, 15, and 16, 21 ft. N. and 18 ft. E. from stone at crossroads; iron post stamped "Prim Trav Sta No 57 S 1921 Mo"	767.500
T. 54 N., R. 22 W., cor. secs. 8, 9, 16, and 17, 25 ft. S. and 25 ft. E. from crossroads, in root on NE. side of 10-in. hedge tree; copper nail and washer	788.62
Concrete culvert, on E. head wall of; chiseled square	723.62
T. 54 N., R. 22 W., near center sec. 8, in concrete well platform in yard of Linden School; standard tablet stamped "T 51 C 1936"	747.886
Reference mark 1, 42 ft. W. of SW. corner of school, at well, on NW. corner of concrete block; chiseled square	747.84
Reference mark 2, at school, on NW. corner of second row of concrete steps; chiseled square	750.87
T. 54 N., R. 22 W., cor. secs. 7, 8, 17, and 18, 20 ft. N. and 22 ft. E. from T-rd. W., in root on SE. side of 24-in. white-oak tree; copper nail and washer	713.99
T. 54 N., R. 23 W., E. cor. secs. 12 and 13, 18 ft. N. and 27 ft. W. from T-rd. W., on N. head wall of concrete culvert; chiseled square	714.97
Bridge over creek, at NW. corner of, on concrete wing wall; chiseled square	689.16
T. 54 N., R. 23 W., cor. secs. 11, 12, 13, and 14, 15 ft. S. and 30 ft. E. from crossroads; iron post stamped "Prim Trav Sta No 56 S 1921 Mo"	696.026
T. 54 N., R. 23 W., cor. secs. 10, 11, 14, and 15, 18 ft. N. and 100 ft. E. from crossroads, in root on N. side of 8-in. hedge tree; copper nail and washer	755.42
T. 54 N., R. 23 W., cor. secs. 9, 10, 15, and 16, 15 ft. N. and 18 ft. E. from U.S. Highway 65 at E.-W. crossroad, on E. head wall of concrete culvert; chiseled square	752.70
T. 54 N., R. 23 W., cor. secs. 8, 9, 16, and 17, 19 ft. N. and 25 ft. E. from crossroads, 4 ft. S. and 5 ft. E. from fence corner; iron post stamped "Prim Trav Sta No 55 S 1921 Mo"	802.591
T. 54 N., R. 23 W., cor. secs. 16, 17, 20, and 21, 40 ft. N. and 33 ft. E. from crossroads, on N. head wall of concrete culvert; chiseled square (in Norborne quadrangle; see Bull. 898-H, p. 1006).	834.22

5. WEST INTO NORBORNE QUADRANGLE AT CARROLLTON (by E. A. Barnes in 1936)

Carrollton, 18 ft. S. and 18 ft. W. from intersection of South Folger and West Lincoln Streets, on concrete curb; chiseled square	691.09
Carrollton, 40 ft. W. of Chicago, Burlington & Quincy R.R. at West Lincoln Street crossing, on SW. wing wall of concrete bridge; chiseled square	669.31

6. FROM MALTA BEND QUADRANGLE AT SEC. 33, T. 52 N., R. 22 W., NORTH-EAST INTO BRUNSWICK QUADRANGLE AT SEC. 18, T. 52 N., R. 21 W. (by G. R. Hamlin in 1936)

(Continued from Malta Bend quadrangle; see line 3.)

T. 52 N., R. 22 W., quarter cor. between secs. 27 and 28, 43 ft. S. and 23 ft. W. from T-rd. W., 22 ft. N. and 54 ft. E. from NE. corner of Little School, 3 ft. S. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "498 C W A 1934"	651.526
T. 52 N., R. 22 W., cor. secs. 21, 22, 27, and 28, 12 ft. N. and 20 ft. W. from crossroads, in root on S. side of 24-in. locust tree; copper nail and washer	650.49
U.S.C.E. B.M. designated "178"	
Copper bolt	646.213
Top of cap	650.251
Rd. corner S.-E., 40 ft. W. of, in root on S. side of 20-in. walnut tree; crossed nails	650.11
T. 52 N., R. 22 W., about 0.3 mi. W. of center sec. 24, 0.5 mi. S. of floodgates, 11 ft. S. and 65 ft. E. from bridge over Van Meter drainage ditch, 11 ft. S. and 6 ft. W. from rd. corner N.-W., in concrete post; standard tablet stamped "497 C W A 1934"	649.758
T. 52 N., R. 22 W., near W. sixteenth cor. between secs. 13 and 24, 30 ft. N. and 100 ft. W. from rd. corner S.-E., on E. end of floodgate across Van Meter drainage ditch; chiseled square	653.12
T. 52 N., R. 22 W., near S. sixteenth cor. sec. 13, 80 ft. N. and 80 ft. E. from T-rd. E., on top of concrete well curb at Van Meter School; chiseled square	658.67
T. 52 N., Rs. 21 and 22 W., cor. secs. 7, 12, 13, and 18, 60 ft. S. from T-rd. N., in root on N. side of 24-in. elm tree; copper nail and washer	652.26
Utz triangulation sta.; U.S.C. & G.S. standard disk designated "Utz"	851.676

*Published also as line 10 of Hale quadrangle (see Bull. 898-D, p. 468).

Reference mark 1; U.S.C. & G.S. standard reference disk
 Reference mark 2; U.S.C. & G.S. standard reference disk

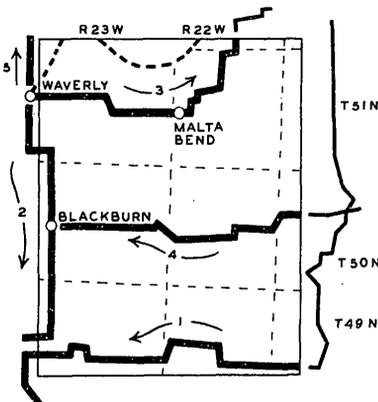
823.969
 826.108

(Continued in Brunswick quadrangle; see line 4.)

For an additional level line along south bank of Missouri River,
 refer to United States Coast and Geodetic Survey first-order
 line, Jefferson City to Kansas City.

MALTA BEND QUADRANGLE
 (Latitude $39^{\circ}00' - 39^{\circ}15'$; longitude $93^{\circ}15' - 93^{\circ}30'$)

Carroll, Lafayette, and Saline Counties



1. FROM MARSHALL QUADRANGLE AT SEC. 29, T. 49 N., R. 21 W., WEST BY WAY OF HERNDON INTO KNOBNOSTER QUADRANGLE AT SEC. 36, T. 49 N., R. 24 W., INCLUDING THAT PART OF THE LINE IN HIGGINSVILLE QUADRANGLE (by C. P. Thompson in 1934)*
 (Continued from Marshall quadrangle; see line 1.)

T. 49 N., R. 21 W., N. sixteenth cor. sec. 30, 39 ft. S. and 18 ft. W. from T-rd. S., in fence line, in root on NW. side of 22-in. wild-cherry tree; copper nail and washer	740.04
Herndon, at SE. corner of store of Herbert Aulgur, on SW. corner of top concrete step; chiseled square	759.27
Herndon, 0.8 mi. W. of, 30 ft. S. and 90 ft. W. from T-rd. S., at NE. corner of yard of Herndon School, in root on N. side of 2 1/2-in. oak tree; copper nail and washer	736.87
Herndon, 1.3 mi. W. of, 17 ft. S. and 4 ft. W. from T-rd. N., 2 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "1016 C W A 1934"	756.964
Reference mark, 190 ft. N. and 18 ft. W. from tablet, in root on E. side of 8-in. cedar tree; copper nail and washer	760.67
Herndon, 2 mi. W. of, 42 ft. S. and 17 ft. E. from crossroads, in root on NE. side of 20-in. oak tree; copper nail and washer	746.90
Herndon, 2.7 mi. W. of, 33 ft. N. and 126 ft. E. from T-rd. E., on SW. corner of bottom concrete step to Antioch Church; chiseled square	785.21
T. 49 N., R. 22 W., 18 ft. E. of W. sixteenth cor. between secs. 15 and 22, 18 ft. E. of rd. corner S.-W., in fence corner, in root on W. side of 30-in. oak tree; copper nail and washer	737.50
T. 49 N., R. 22 W., quarter cor. between secs. 16 and 21, 45 ft. S. and 28 ft. E. from T-rd. S., 4 ft. E. of fence, in concrete post; standard tablet stamped "1015 C W A 1934"	762.660
Reference mark, 162 ft. S. and 6 ft. W. from tablet, in fence line, in root on W. side of 12-in. elm tree; copper nail and washer	757.26
T. 49 N., R. 22 W., quarter cor. between secs. 17 and 20, 18 ft. N. and 50 ft. W. from, N. of rd., in root on N. side of twin 20-in. elm tree; copper nail and washer	753.96
T. 49 N., R. 22 W., cor. secs. 17, 18, 19, and 20, 30 ft. N. and 18 ft. E. from crossroads, in root on S. side of 1 1/4-in. hackberry tree; copper nail and washer	708.11
T. 49 N., R. 22 W., W. cor. secs. 18 and 19, 25 ft. N. and 63 ft. E. from T-rd. E., 36 ft. S. of SW. corner of farmhouse of J. B. Waltons, in root on SW. side of 8-in. cedar tree; copper nail and washer	746.02
T. 49 N., Rs. 22 and 23 W., S. sixteenth cor. between secs. 19 and 24, 20 ft. S. and 5 ft. W. from rd. corner W.-N., 2 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "1014 C W A 1934"	675.308
Reference mark, 9 ft. E. of tablet, in root on W. side of 18-in. elm tree; copper nail and washer	675.98

*Line 1 of Higginsville quadrangle includes a portion of this line (see Bull. 898-H, p. 1009).

	<u>Feet</u>
T. 49 N., R. 23 W., quarter cor. between secs. 24 and 25, 162 ft. N., and 36 ft. W. from T-rd. W., 27 ft. E. of NE. corner of farmhouse of Harry Allen, in root on E. side of 20-in. oak tree; copper nail and washer	727.67
T. 49 N., R. 23 W., E. sixteenth cor. between secs. 23 and 26, 50 ft. N. and 282 ft. W. from T-rd. N., 24 ft. S. and 3 ft. W. from SW. corner of farmhouse of Homer Allen, in root on S. side of 26-in. post-oak tree; copper nail and washer	690.86
Sweet Springs, 3 mi. N. of, cor. secs. 22, 23, 26, and 27, T. 49 N., R. 23 W., 10 ft. S. and 180 ft. E. from rd. corner N.-E. (now State Highway 127), on W. end of S. head wall of concrete culvert; chiseled square	674.42
Sweet Springs, 3.7 mi. N. of, N. sixteenth cor. between secs. 22 and 23, T. 49 N., R. 23 W., 9 ft. N. and 9 ft. W. from T-rd. W. (N.-S. rd. now State Highway 127), 150 ft. N. of school, on S. end of W. head wall of concrete culvert; chiseled square	705.53
T. 49 N., R. 23 W., in NW 1/4 sec. 22, 50 ft. N. and 24 ft. E. from T-rd. E., in root on E. side of 8-in. wild-cherry tree; copper nail and washer	717.10
T. 49 N., R. 23 W., W. sixteenth cor. between secs. 22 and 27, 27 ft. S. and 28 ft. W. from T-rd. W., 7 ft. S. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "1013 C W A 1934"	685.963
Reference mark, 39 ft. N. of tablet, in root on S. side of 10-in. elm tree; copper nail and washer	686.10
T. 49 N., R. 23 W., 660 ft. E. of cor. secs. 20, 21, 28, and 29, 15 ft. S. and 120 ft. E. from rd. corner N.-E., in root on S. side of 8-in. elm tree; copper nail and washer	719.93
T. 49 N., R. 23 W., N. sixteenth cor. between secs. 20 and 21, 10 ft. N. and 442 ft. W. from T-rd. S., in root on S. side of 18-in. box-elder tree; copper nail and washer	764.87
T. 49 N., R. 23 W., quarter cor. between secs. 17 and 20, 7 ft. S. and 36 ft. E. from T-rd. W., 7 ft. S. and 15 ft. E. from fence corner, in concrete post; standard tablet stamped "1012 C W A 1934"	726.814
Reference mark, 4 ft. N. and 15 ft. W. from tablet, in root on N. side of 18-in. elm tree; copper nail and washer	724.59
T. 49 N., R. 23 W., in SE 1/4 sec. 18, 24 ft. E. of T-rd. N., on W. end of N. head wall of concrete culvert; chiseled square	701.08
T. 49 N., R. 23 W., near S. sixteenth cor. on W. line sec. 18, 105 ft. N. and 70 ft. W. from NW. corner of farmhouse of August Krichhoffs, 18 ft. S. and 275 ft. E. from rd. corner E.-S., in root on NW. side of 10-in. black-locust tree; copper nail and washer	733.18
T. 49 N., R. 24 W., center sec. 24, 56 ft. S. and 19 ft. E. from crossroads, in concrete post; standard tablet stamped "484 C W A 1934"	718.374
Reference mark, 438 ft. N. of tablet, in root on W. side of 18-in. hackberry tree; copper nail and washer	724.55
T. 49 N., R. 24 W., near center sec. 25, at NW. corner of bridge over Davis Creek, in SW. corner of N. cross beam, on rivet; chiseled cross	667.02

(Continued in Sweet Springs quadrangle; see line 1.)

2. FROM WAVERLY SOUTH BY WAY OF BLACKBURN TO SEC. 24, T. 49 N., R. 24 W., INCLUDING THAT PART OF THE LINE IN HIGGINSVILLE QUADRANGLE (by G. R. Hamlin in 1936)*

U.S.C.E. B.M. designated "185-58/1"	
Copper bolt	683.686
Top of cap	687.781
Waverly, on bridge over Missouri River, in top of upstream end of second pier from S. end of bridge; standard tablet (set by water-resources branch of U.S.Geol. Survey)	716.723
Waverly, in SE. part of, 20 ft. S. and 50 ft. E. from junction of S. cut-off to U.S. Highway 65 and State Highway 24, on S. concrete head wall of culvert; chiseled square	802.36
Waverly, 0.5 mi. SE. of, 30 ft. S. and 100 ft. E. from crossroads, on SW. corner of S. concrete head wall of culvert; chiseled square	814.64
T. 51 N., R. 24 W., E. sixteenth cor. between secs. 23 and 26, 25 ft. S. and 60 ft. W. from crossroads, in root on S. side of 14-in. hedge tree; copper nail and washer	786.80
T. 51 N., R. 24 W., near E. sixteenth cor. sec. 26, 20 ft. S. and 50 ft. E. from T-rd. E., in root on W. side of 36-in. walnut tree; copper nail and washer	776.47
T. 51 N., R. 24 W., E. sixteenth cor. between secs. 26 and 35, 21 ft. S. and 29 ft. W. from T-rd. W., 2 ft. S. and 9 ft. W. from fence corner, in concrete post; standard tablet stamped "480 C W A 1934"	705.155
Tps. 50 and 51 N., R. 24 W., E. sixteenth cor. between secs. 2 and 35, 45 ft. N. and 55 ft. W. from crossroads, in root on S. side of 24-in. maple tree; copper nail and washer	741.66
Tps. 50 and 51 N., Rs. 23 and 24 W., cor. of, 15 ft. N. and 80 ft. E. from T-rd. S. on Lafayette-Saline county line, in root on W. side of 18-in. wild-cherry tree; copper nail and washer	771.91
T. 50 N., R. 23 W., 575 ft. N. of W. cor. secs. 6 and 7, 37 ft. E. of rd. on Lafayette-Saline county line, 20 ft. S. and 102 ft. W. from NW. corner of farmhouse of A. H. Meyer, in concrete post; standard tablet stamped "481 C W A 1934"	735.418
Culvert, on N. end of E. concrete head wall; chiseled square	720.16
T-rd. W., 15 ft. N. and 12 ft. W. from, on N. end of iron pipe culvert; painted square	739.95

*Line 7 of Higginsville quadrangle (see Bull. 898-H, pp. 1012-1013).

	<u>Feet</u>
T. 50 N., R. 23 W., W. cor. secs. 18 and 19, 25 ft. S. and 25 ft. E. from rd. corner N.-E., in root on S. side of 6-in. wild-cherry tree; copper nail and washer	763.82
Blackburn, 520 ft. E. of Lafayette-Saline county line, 35 ft. S. and 270 ft. W. from State Highway 20 at rd. N., 55 ft. N. and 3 ft. E. from NE. corner of barn, in concrete post; standard tablet stamped "482 C W A 1934"	804.548
State Highway 20 at rd. S., 30 ft. S. of, on W. end of iron pipe culvert; painted square	839.34
T. 50 N., R. 24 W., quarter cor. between secs. 25 and 36, 65 ft. S. and 22 ft. E. from T-rd. W., on NW. corner of concrete base of fence post; chiseled square	841.82
T. 49 N., R. 24 W., N. sixteenth cor. sec. 1, 28 ft. S. and 5 ft. W. from rd. forks, 71 ft. E. of rd. S., 2 ft. S. of fence, in concrete post; standard tablet stamped "483 C W A 1934"	826.297
T. 49 N., R. 24 W., E. sixteenth cor. sec. 1, 55 ft. S. and 35 ft. W. from T-rd. E., on SE. corner of concrete walk in front of farmhouse of George Bodenstab; chiseled square	790.48
T. 49 N., R. 24 W., E. sixteenth cor. between secs. 1 and 12, 35 ft. S. and 20 ft. W. from T-rd. W., in root on E. side of 10-in. hedge tree; copper nail and washer	774.47 730.21
Culvert, on NW. corner of E. concrete head wall; chiseled square	
T. 49 N., R. 24 W., 500 ft. W. of E. sixteenth cor. between secs. 13 and 24, 110 ft. S. and 30 ft. W. from rd. corner, in root on E. side of 12-in. elm tree; copper nail and washer	749.25
3. FROM HIGGINSVILLE QUADRANGLE EAST ALONG U.S. HIGHWAY 65 AND STATE HIGHWAY 240 TO MALTA BEND, THENCE NORTH ALONG ROADS INTO CARROLLTON QUADRANGLE AT SEC. 33, T. 52 N., R. 22 W. (by G. R. Hamlin in 1936)	
Waverly, 2 mi. E. of, 25 ft. N. and 15 ft. E. from junction of rd. N., on E. end of concrete pipe culvert; chiseled square	810.69
Waverly, 2.5 mi. E. of, 20 ft. N. and 12 ft. W. from crossroad, on NW. corner of W. concrete head wall of culvert; chiseled square	790.21
T. 51 N., R. 23 W., in NE 1/4 sec. 18, 30 ft. N. and 10 ft. E. from rd. forks, in root on E. side of 30-in. black-oak tree; copper nail and washer	803.46
Gilham triangulation sta.; Missouri River Commission iron post designated "Gilham" (Top of cap elevation 836.863)	833.696
Grand Pass, 1 mi. W. of, 34 ft. S. and 177 ft. W. from junction of private rd. S. to farmhouse of J. C. Crosswhite, on top of high bank, between telegraph pole and fence, in concrete post; standard tablet stamped "1001 C W A 1934"	791.983
Grand Pass, 30 ft. S. and 12 ft. E. from junction of rd. S. to Blackburn, on NE. corner of E. concrete head wall of culvert; chiseled square	763.85
Grand Pass, 1.2 mi. E. of, 35 ft. S. and 12 ft. E. from junction of rd. S., on E. end of concrete pipe culvert; chiseled square	698.94 698.84
Culvert, on SW. corner of S. concrete head wall; chiseled square	
Malta Bend, 2.2 mi. W. of, 42 ft. S. and 19 ft. E. from SE. corner of farmhouse of F. E. Green, 28 ft. N. of highway, 2 ft. S. of fence, in concrete post; standard tablet stamped "500 C W A 1934"	698.892
Malta Bend, 1.5 mi. W. of, 25 ft. N. and 20 ft. E. from crossroad, on SW. corner of N. concrete head wall of culvert; chiseled square	697.51
Malta Bend, 40 ft. N. and 30 ft. E. from crossroad, on NW. corner of bottom doorstep to I.O.O.F. Building; chiseled square	698.68 692.9
Malta Bend, Missouri Pacific R.R. at rd. crossing; top of S. rail	
Malta Bend, 1 mi. N. of, 258 ft. S. of SE. corner of Malta Bend Cemetery, 23 ft. W. of T-rd. E., 2 ft. W. of fence, in concrete post; standard tablet stamped "499 C W A 1934"	706.437
Malta Bend, 1.5 mi. N. and 0.5 mi. E. from, cor. secs. 7, 8, 17, and 18, T. 51 N., R. 22 W., 18 ft. N. and 30 ft. E. from rd. corner S.-E., in root on S. side of 8-in. maple tree; copper nail and washer	706.49
Malta Bend, 1.5 mi. N. and 1 mi. E. from, quarter cor. between secs. 8 and 17, T. 51 N., R. 22 W., at private rd. N., on E. end of iron pipe culvert; chiseled square	700.68
Malta Bend, 1.5 mi. N. and 1.5 mi. E. from, cor. secs. 8, 9, 16, and 17, T. 51 N., R. 22 W., at T-rd. N., on W. concrete head wall of culvert; chiseled square	701.07
Malta Bend, 4 mi. NE. of, cor. secs. 4, 5, 8, and 9, T. 51 N., R. 22 W., 13 ft. W. of private rd. W., on N. end of iron pipe culvert; chiseled square	664.58
Malta triangulation sta.; Missouri River Commission iron post designated "Malta"	
Copper bolt	724.304
Top of cap	727.470
T. 52 N., R. 22 W., S. quarter cor. sec. 33, 15 ft. E. of W. end of hedge-row, 22 ft. N. of rd., in root on S. side of 12-in. hedge tree; copper nail and washer	656.23
T. 51 N., R. 22 W., N. cor. secs. 3 and 4, 100 ft. SW. of rd. forks, 15 ft. W. of rd., on NW. end of W. wing wall of concrete culvert over drainage ditch; chiseled square	652.63
T. 52 N., R. 22 W., quarter cor. between secs. 33 and 34, W. of rd. opposite private rd. E., in root on E. side of 18-in. hedge tree; crossed nails	651.33

(Continued in Carrollton quadrangle; see line 6.)

4. FROM MARSHALL QUADRANGLE WEST ALONG STATE HIGHWAY 20 TO BLACKBURN
(by G. R. Hamlin in 1936)
(Continued from Marshall quadrangle; see line 4.)

	<u>Feet</u>
Marshall, 3.5 mi. W. of, 152 ft. N. and 37 ft. E. from NE. corner of farmhouse of Ed Finnegan, 29 ft. S. of highway, in concrete post; standard tablet stamped "1070 C W A 1934"	781.538
Junction of rd. W., 15 ft. N. and 35 ft. W. from, 15 ft. N. and 70 ft. E. from Alton R.R. at rd. crossing, on W. end of stone head wall of culvert; chiseled square	792.47
T. 50 N., R. 22 W., near quarter cor. between secs. 13 and 24, 165 ft. S. and 20 ft. W. from crossroad, in root on E. side of 30-in. cottonwood tree; copper nail and washer	800.69
Shackleford, 300 ft. SW. of post office, 70 ft. N. of highway, at service sta., on S. end of concrete base of gasoline pumps; chiseled square	783.64
U.S.C. & G.S. standard reference disk stamped "Shackle No 1"	818.949
U.S.C. & G.S. standard reference disk stamped "Shackle No 2"	835.284
T. 50 N., R. 22 W., cor. secs. 21, 22, 27, and 28, 28 ft. N. and 50 ft. W. from crossroad, 3 ft. S. and 20 ft. W. from fence corner, in concrete post; standard tablet stamped "1071 C W A 1934"	714.881
Culvert, on W. end of S. concrete head wall; chiseled square	706.41
T. 50 N., R. 22 W., cor. secs. 20, 21, 28, and 29, 35 ft. N. of junction of rd. S., in root on S. side of 4-in. hedge tree; copper nail and washer	736.47
T. 50 N., R. 22 W., quarter cor. between secs. 20 and 29, 20 ft. N. and 15 ft. E. from junction of rd. N., on E. end of iron pipe culvert; chiseled square	716.88
T. 50 N., R. 22 W., cor. secs. 19, 20, 29, and 30, 28 ft. S. and 45 ft. W. from junction of rd. S., on W. end of S. concrete head wall of culvert; chiseled square	702.58
Junction of private rd. N., 18 ft. N. and 12 ft. W. from, on W. end of iron pipe culvert; chiseled square	746.58
Blackburn, 5.5 mi. E. of, 29 ft. S. and 58 ft. E. from crossroad, 2 ft. N. and 35 ft. E. from fence corner, in concrete post; standard tablet stamped "1072 C W A 1934"	831.370
Blackburn, 5 mi. E. of, 15 ft. S. and 420 ft. W. from junction of State Highway 127 N., on E. end of S. concrete head wall of culvert; chiseled square	773.82
Blackburn, 4 mi. E. of, 15 ft. N. and 35 ft. W. from junction of State Highway 127 S., on N. end of iron pipe culvert; chiseled square	800.97
Blackburn, 3.5 mi. E. of, 35 ft. S. and 5 ft. W. from junction of rd. N., on top of concrete right-of-way post; (mark not described)	832.04
Blackburn, 2.5 mi. E. of, 167 ft. S. and 31 ft. E. from SE. corner of farmhouse of August Pape, 36 ft. N. and 154 ft. E. from highway at fences N.-S., in concrete post; standard tablet stamped "1073 C W A 1934"	784.556
Blackburn, 2 mi. E. of, 15 ft. S. and 15 ft. E. from crossroad, on E. end of iron pipe culvert; chiseled square	792.56
Blackburn, 1.5 mi. E. of, 15 ft. S. and 35 ft. E. from junction of rd. S., on W. end of iron pipe culvert; chiseled square	831.61
Blackburn, 0.5 mi. E. of, 20 ft. S. and 20 ft. W. from junction of rd. S., on W. head wall of culvert; chiseled square	796.69

5. FROM WAVERLY NORTH ALONG U.S. HIGHWAYS 24 AND 65 INTO NORBORNE QUADRANGLE (by B. A. Barnes in 1936)*

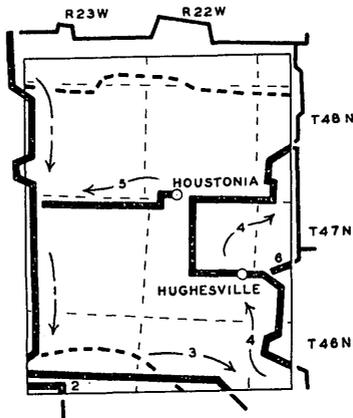
U.S.C.E. B.M. designated "189=59/1"	
Copper bolt	696.639
Top of cap	700.707
Carrollton, 8.3 mi. S. of, in SE 1/4 sec. 18, T. 51 N., R. 23 W., 21 ft. S. and 70 ft. W. from junction of rd. SW., in root on NE. side of 40-in. elm tree; spike	665.05
Carrollton, 7 mi. S. of, on line between secs. 7 and 8, T. 51 N., R. 23 W., N. of small bridge, 135 ft. S. of junction of rd. SW., on W. head wall of concrete culvert; chiseled square	665.19

(Continued in Carrollton quadrangle; see line 1.)

For an additional level line along south bank of Missouri River, refer to United States Coast and Geodetic Survey first-order line, Jefferson City to Kansas City.

*Line 8 of Higginsville quadrangle (see Bull. 898-H, p. 1013).

SWEET SPRINGS QUADRANGLE
 (Latitude $38^{\circ}45' - 39^{\circ}00'$; longitude $93^{\circ}15' - 93^{\circ}30'$)
 Johnson, Lafayette, Pettis, and Saline Counties



1. FROM HIGGINSVILLE QUADRANGLE AT SEC. 36, T. 49 N., R. 24 W., SOUTH INTO KNOBOSTER QUADRANGLE AT SEC. 18, T. 46 N., R. 23 W., INCLUDING THAT PART OF THE LINE IN KNOBOSTER QUADRANGLE (by C. P. Thompson in 1934)
 (Continued from Malta Bend quadrangle; see line 1.)

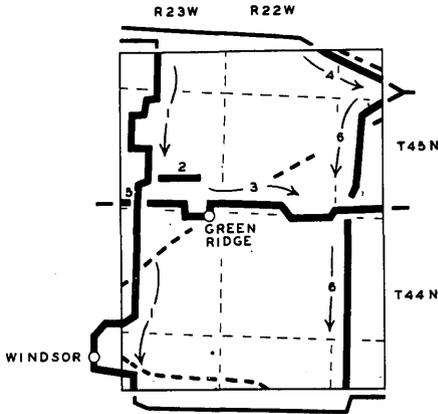
	<u>Feet</u>
T. 49 N., R. 24 W., center sec. 36, 15 ft. N. and 18 ft. E. from junction of private rd. E., in root on S. side of twin 20-in. hedge tree; copper nail and washer	720.91
T. 48 N., R. 24 W., N. quarter cor. sec. 1, 10 ft. S. and 34.0 ft. E. from T-rd. E., on W. side of S. head wall of concrete culvert; chiseled square	711.71
Emma, 1 mi. N. of, cor. Tps. 48 and 49 N., Rs. 23 and 24 W., 40 ft. N. of rd., on N. end of E. head wall of concrete culvert; chiseled square	730.276
Emma, on NE. corner of bottom step to St. John The Evangelist Church; chiseled square	755.26
Emma, 1 mi. S. of, in SW 1/4 sec. 7, T. 48 N., R. 23 W., 10 ft. E. of rd., on N. end of E. head wall of concrete culvert; chiseled square	692.50
Emma, 2 mi. S. of, 105 ft. S. and 15 ft. W. from E. cor. secs. 13 and 24, T. 48 N., R. 24 W., 72 ft. N. and 15 ft. W. from junction of private rd. to farmhouse of Charlie Horn, in root on S. side of 6-in. black-locust tree; copper nail and washer	686.69
Emma, 3 mi. S. of, W. cor. secs. 19 and 30, T. 48 N., R. 23 W., 100 ft. N. and 12 ft. E. from crossroads, on S. end of E. head wall of concrete culvert; chiseled square	654.50
Emma, 3 mi. S. and 0.5 mi. W. from, 60 ft. SW. of rd. forks, at T-rd. S., in corner of inclosure; iron post stamped "Mo 658"	657.082
Emma, 3.5 mi. S. and 0.5 mi. W. from, near center sec. 25, T. 48 N., R. 24 W., 44.0 ft. S. and 10 ft. W. from T-rd. W., on W. end of S. concrete abutment of bridge; chiseled square	657.39
Dunksburg, 0.8 mi. N. and 0.5 mi. W. from, in N 1/2 sec. 36, T. 48 N., R. 24 W., on NE. bolt in NE. cylinder pier of bridge over Blackwater River; chiseled cross	661.96
Dunksburg, at S. edge of, near SW. cor. sec. 31, T. 48 N., R. 23 W., 24 ft. N. and 18 ft. W. from crossroads, on center of W. head wall of concrete culvert; chiseled square	746.25
Dunksburg, 1 mi. S. of, 30 ft. N. of E. sixteenth cor. between secs. 1 and 12, T. 47 N., R. 24 W., 10 ft. W. of N.-S. rd., on center of W. head wall of concrete culvert; chiseled square	744.54
Dunksburg, 2 mi. S. of, in SE 1/4 sec. 12, T. 47 N., R. 24 W., 250 ft. S. 55° E. of dwelling of R. S. Tyler, 20 ft. N. of T-rd. S., 4 ft. S. of fence; iron post stamped "Prim Trav Sta No 16 1914 Mo"	768.534
Reference mark, 13 ft. N. and 12 ft. E. from tablet, in root on S. side of 30-in. oak tree; copper nail and washer	767.70
Dunksburg, 2.2 mi. S. of, W. cor. secs. 7 and 18, T. 47 N., R. 23 W., 42 ft. S. and 15 ft. E. from crossroads, in root on NW. side of 30-in. elm tree; copper nail and washer	762.68
Dunksburg, 3 mi. S. of, 60 ft. N. and 10 ft. E. from W. cor. secs. 18 and 19, T. 47 N., R. 23 W., 12 ft. N. and 10 ft. E. from T-rd. W., on S. end of head wall of concrete culvert; chiseled square	790.48
Dunksburg, 3.8 mi. S. of, near S. sixteenth cor. between secs. 19 and 24, T. 47 N., Rs. 23 and 24 W., 18 ft. N. and 78 ft. W. from crossroads, in root on S. side of 20-in. elm tree; copper nail and washer	856.15
T. 47 N., R. 24 W., E. cor. secs. 25 and 36, 369 ft. S. and 10 ft. W. from T-rd. W., on N. end of head wall of concrete culvert; chiseled square	791.50
T. 47 N., R. 24 W., E. cor. secs. 25 and 36, 369 ft. S. and 10 ft. W. from T-rd. W., on S. end of concrete culvert; chiseled square	791.58

	<u>Feet</u>
Tps. 46 and 47 N., Rs. 23 and 24 W., cor. of, 10 ft. W. of crossroads, on W. head wall of concrete culvert; chiseled square	787.36
T. 46 N., R. 24 W., 390 ft. N. and 12 ft. W. from N. sixteenth cor. on E. line sec. 12, on W. head wall of concrete culvert; chiseled square	802.12
Knobnoster, 1.2 mi. N. and 3 mi. E. from, cor. secs. 7, 12, 13, and 18, T. 46 N., Rs. 23 and 24 W., 270 ft. S. and 62 ft. E. from crossroads, 15 ft. S. and 15 ft. W. from NW. corner of farmhouse of Harry Baton, in root on W. side of 50-in. elm tree; copper nail and washer	833.94
2. FROM KNOBOSTER QUADRANGLE AT SEC. 19, T. 46 N., R. 23 W., EAST AND SOUTH INTO GREEN RIDGE QUADRANGLE AT SEC. 28, T. 46 N., R. 23 W. (by R. B. Kuebler in 1934)	
Knobnoster, 3 mi. E. and 0.8 mi. S. from, 25 ft. S. and 60 ft. E. from crossroads, on Johnson-Pettis county line, in concrete post; standard tablet (in line 10 of Knobnoster quadrangle; see Bull. 898-H, p. 1015).	856.917
Knobnoster, 3.2 mi. E. and 0.8 mi. S. from, about 0.3 mi. E. of Johnson-Pettis county line, near stock scales, N. of rd., 3 ft. S. of fence, in concrete post; standard tablet stamped "T T 36 O 1936"	863.241
Telephone pole, S. of rd.; nail	854.57
(Continued in Green Ridge quadrangle; see line 1.)	
3. FROM KNOBOSTER QUADRANGLE EAST AND SOUTHEAST ALONG MISSOURI PACIFIC RAILROAD INTO GREEN RIDGE QUADRANGLE (by S. B. Scott in 1934)	
LaMonte, 1 mi. W. of, 25 ft. S. and 35 ft. W. from rd. crossing, 12 ft. N. of fence corner, on right-of-way, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 35 C 1936"	846.315
LaMonte, 2.8 mi. E. of, in SW 1/4 sec. 18, T. 46 N., R. 23 W., about 0.2 mi. N. of U.S. Highway 50, 25 ft. S. and 22 ft. W. from rd. crossing, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 34 C 1936"	866.461
Dresden, 55 ft. N. of main track, 2 ft. E. of SE. corner of grain elevator, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 33 C 1936"	823.103
(Continued in Green Ridge quadrangle; see line 4.)	
4. FROM NELSON QUADRANGLE AT SEC. 17, T. 46 N., R. 21 W., NORTH AND WEST TO HUGHESVILLE, THENCE WEST TO SEC. 20, T. 47 N., R. 22 W., THENCE NORTH TO HOUSTONIA, THENCE EAST AND NORTHEAST TO SEC. 20, T. 48 N., R. 21 W. (by T. G. Drummond in 1934 and F. C. Lentz in 1936)	
(Continued from Nelson quadrangle; see line 7.)	
T. 46 N., R. 21 W., near cor. secs. 17, 18, 19, and 20, 400 ft. W. of Missouri Pacific R.R. at rd. crossing, on N. head wall of concrete culvert; chiseled square	815.58
T. 46 N., R. 21 W., N. sixteenth cor. between secs. 17 and 18, about 1 mi. NW. of Georgetown, along rd. to Hughesville, 38 ft. S. and 28 ft. W. from SW. corner of dwelling of C. C. Crain, N. of rd., 31 ft. N. and 40 ft. W. from 16-in. elm tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet	743.614
T. 46 N., R. 21 W., near cor. secs. 7, 8, 17, and 18, on N. end of retaining wall of bridge over Muddy Creek; chiseled square	717.18
T. 46 N., R. 21 W., near S. quarter cor. sec. 7, about 2 mi. NW. of Georgetown, on rd. to Hughesville, in farmyard of Dr. Bishop, 50 ft. NE. of well, in concrete post; U.S.C. & G.S. and State Survey standard tablet	800.981
T. 46 N., R. 21 W., in NW 1/4 sec. 7, 0.2 mi. N. of rd. to Hughesville, on W. head wall of concrete culvert; chiseled square	771.00
T. 46 N., R. 21 W., in W 1/2 sec. 6, 0.4 mi. E. of Missouri Pacific R.R. sta. at Craft, near T-rd. S., on N. end of bottom step at front of church; chiseled square	840.57
T. 46 N., R. 21 W., in NE 1/4 sec. 6, on S. end of W. head wall of concrete culvert over Smelzer Creek; chiseled square	761.69
T. 47 N., R. 21 W., S. cor. secs. 31 and 32, 328 ft. N. of stone, 24 ft. E. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	779.880
T. 47 N., R. 21 W., near quarter cor. between secs. 31 and 32, 10 ft. E. of rd., on N. end of E. head wall of concrete culvert on Lover's Leap Road; chiseled square	794.32
T. 47 N., R. 21 W., near N. sixteenth cor. sec. 30, 0.4 mi. E. of T-rd. E., on W. end of SW. wing wall of concrete bridge; chiseled square	804.87
T. 47 N., Rs. 21 and 22 W., near N. sixteenth cor. between secs. 25 and 30, 400 ft. N. of T-rd. E., on W. wing wall of concrete culvert; chiseled square	807.68
T. 47 N., Rs. 21 and 22 W., S. sixteenth cor. between secs. 19 and 24, 18 ft. E. of T-rd. W., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "C W A 1934"	817.041
Hughesville, 0.5 mi. E. of, 340 ft. W. of S. sixteenth cor. sec. 24, T. 47 N., R. 22 W., on W. end of N. head wall of concrete culvert; chiseled square	800.92
T. 47 N., R. 22 W., on line between secs. 23 and 26, 450 ft. W. of Missouri Pacific R.R., on W. end of N. head wall of concrete culvert; chiseled square	796.42

	<u>Feet</u>
T. 47 N., R. 22 W., cor. secs. 22, 23, 26, and 27, 450 ft. W. of T-rd. N. (S. ?), on S. end of E. wing wall of bridge; chiseled square	786.20
T. 47 N., R. 22 W., cor. secs. 21, 22, 27, and 28, 25 ft. S. and 47 ft. E. from crossroads, in yard of Mitchell School, in concrete post; U.S.C. & G.S. and State Survey standard tablet	790.796
T. 47 N., R. 22 W., cor. secs. 20, 21, 28, and 29, NW. of crossroads, on double-wing head wall of concrete culvert; chiseled square	839.66
T. 47 N., R. 22 W., cor. secs. 16, 17, 20, and 21, E. of rd., in concrete fence post; top of pipe	835.68
T. 47 N., R. 22 W., in SW 1/4 sec. 9, 25 ft. S. and 175 ft. E. from rd. corner S.-E., 25 ft. S. of rd. corner N.-W., in concrete post; U.S.C. & G.S. and State Survey standard tablet	788.741
T. 47 N., R. 22 W., cor. secs. 4, 5, 8, and 9, 25 ft. E. of T-rd. N., 100 ft. W. of T-rd. S., in E.-W. fence line at fence S., in top of stump of 24-in. hedge tree; copper nail and washer	819.51
T. 48 N., R. 22 W., in SW 1/4 sec. 33, 31 ft. N. of T-rd. S. at N. cor. secs. 4 and 5, T. 47 N., R. 22 W., in concrete post; U.S.C. & G.S. and State Survey standard tablet	782.678
T. 48 N., R. 22 W., near S. cor. secs. 33 and 34, 0.2 mi. W. of T-rd. S., on W. end of S. head wall of concrete culvert; chiseled square	807.27
T. 47 N., R. 22 W., near W. sixteenth cor. on N. line sec. 2, on SW. wing wall of concrete culvert; chiseled square	776.23
T. 48 N., R. 22 W., S. quarter cor. sec. 36, 26 ft. N. and 339 ft. E. from T-rd. S., in concrete post; U.S.C. & G.S. and State Survey standard tablet	793.657
T. 48 N., R. 21 W., W. cor. secs. 30 and 31, 150 ft. N. of T-rd. E., E. of rd., on head wall of concrete culvert; chiseled square	805.99
Teddeville, near E. cor. secs. 24 and 25, T. 48 N., R. 22 W., at general store, on concrete base of gasoline pump; chiseled square	802.58
T. 48 N., R. 21 W., near S. sixteenth cor. between secs. 19 and 20, 25 ft. S. of T-rd., in fence line, in stump of black-oak tree; nail and washer	827.72
Reid triangulation sta; U.S.C. & G.S. standard disk stamped "Reid"	836.110
5. FROM HOUSTONIA WEST TO SEC. 12, T. 47 N., R. 24 W. (by T. G. Drummond in 1934 and F. C. Lentz in 1936)	
T. 48 N., R. 22 W., near S. cor. secs. 32 and 33, 0.5 mi. E. of Houstonia, 550 ft. E. of Missouri Pacific R.R., on E. end of S. head wall of concrete culvert; chiseled square	759.74
Houstonia, in SE 1/4 sec. 32, T. 48 N., R. 22 W., N. of intersection of Line and Walnut Streets, on E. head wall of concrete culvert; chiseled square	753.56
Houstonia, 0.5 mi. S. and 0.5 mi. W. from, N. sixteenth cor. between secs. 5 and 6, T. 47 N., R. 22 W., NW. of T-rd. W., in root of 30-in. walnut tree; copper nail and washer	800.55
T. 47 N., Rs. 22 and 23 W., near N. sixteenth cor. between secs. 1 and 6, on E.-W. rd., on wing wall of concrete culvert; chiseled square	745.10
T. 47 N., R. 23 W., in NE 1/4 sec. 1, 30 ft. N. and 200 ft. W. from rd. at private drive N., in yard of dwelling of W. H. Witcher, in concrete post; U.S.C. & G.S. and State Survey standard tablet	754.782
T. 47 N., R. 23 W., 0.2 mi. E. of center sec. 2, 440 ft. W. of rd. corner, on E. end of S. head wall of concrete culvert; chiseled square	749.50
T. 47 N., R. 23 W., in E 1/2 sec. 3, on SE. wing wall of bridge over South Fork; chiseled square	678.79
T. 47 N., R. 23 W., quarter cor. between secs. 3 and 4, 25 ft. N. and 87 ft. W. from T-rd. N., in concrete post; standard tablet	716.622
T. 47 N., R. 23 W., in SE 1/4 sec. 5, 0.2 mi. W. of T-rd. S., on S. head wall of concrete culvert; chiseled square	747.60
T. 47 N., R. 23 W., quarter cor. between secs. 5 and 6, SW. of crossroads, on head wall of concrete culvert; chiseled square	751.22
T. 47 N., R. 23 W., in SW 1/4 sec. 6, on SW. wing wall of iron bridge; chiseled square	736.24
6. FROM NELSON QUADRANGLE AT SEC. 20, T. 47 N., R. 21 W., WEST TO SEC. 19, T. 47 N., R. 21 W. (by F. C. Lentz in 1936) (Continued from Nelson quadrangle; see line 5.)	
T. 47 N., R. 21 W., quarter cor. between secs. 19 and 20, 350 ft. N. and 15 ft. W. from rd. corner N.-W., on head wall of concrete culvert; chiseled square	787.79
TIE BETWEEN UNITED STATES COAST AND GEODETIC SURVEY SECOND-ORDER LINE AND UNITED STATES GEOLOGICAL SURVEY THIRD-ORDER LINE AT EMMA (by C. W. Williams in 1936)	
Emma, on NE. corner of bottom step to St. John The Evangelist Church; chiseled square	755.26
U.S.C. & G.S. standard disk stamped "R 96 1935"	758.607
For additional level lines along Missouri Pacific R.R., and U.S. Highway 40, refer to United States Coast and Geodetic Survey first-order line, Jefferson City to Pleasant Hill; and second-order line, Lexington to Boonville.	

GREEN RIDGE QUADRANGLE
(Latitude 38°30'-38°45'; longitude 93°15'-93°30')

Benton and Pettis Counties



1. FROM SWEET SPRINGS QUADRANGLE AT SEC. 28, T. 46 N., R. 23 W., SOUTH INTO LINCOLN QUADRANGLE AT SEC. 18, T. 43 N., R. 23 W., INCLUDING THAT PART OF THE LINE IN WINDSOR QUADRANGLE (by R. B. Kuebler and C. P. Thompson in 1934)*
(Continued from Sweet Springs quadrangle; see line 2.)

	<u>Feet</u>
Knobnoster, 5 mi. E. and 1.2 mi. S. from, N. sixteenth cor. between secs. 28 and 29, T. 46 N., R. 23 W., 50 ft. N. of N. line of dwelling of T. H. Bradshaw, W. of rd., 14 ft. S. and 2 ft. E. from end of hedge fence, in concrete post; standard tablet	852.696
Knobnoster, 5 mi. E. and about 2.5 mi. S. from, 300 ft. S. of quarter cor. between secs. 32 and 33, T. 46 N., R. 23 W., at bridge over Long Branch Creek, on NE. corner of N. concrete abutment; (mark not described)	791.01
Knobnoster, 5 mi. E. and 3 mi. S. from, near cor. secs. 4, 5, 32, and 33, Tps. 45 and 46 N., R. 23 W., in concrete post; standard tablet	803.358
Knobnoster, 5 mi. E. and 3.3 mi. S. from, about 0.3 mi. S. of cor. secs. 4, 5, 32, and 33, Tps. 45 and 46 N., R. 23 W., 20 ft. W. of rd., in concrete post; standard tablet	831.931
T. 45 N., R. 23 W., quarter cor. between secs. 4 and 5, on SW. corner of W. concrete head wall of culvert; (mark not described)	823.26
T. 45 N., R. 23 W., 150 ft. E. of center of SW 1/4 sec. 5, on SE. corner of N. concrete head wall of culvert; (mark not described)	813.99
T. 45 N., R. 23 W., near quarter cor. between secs. 6 and 7, N. of rd., on concrete head wall of culvert; chiseled square	812.96
T. 45 N., R. 23 W., quarter cor. between secs. 7 and 18, 37 ft. S. and 25 ft. E. from rd. junction, in concrete post; standard tablet	869.751
Reference mark, 136 ft. N. of tablet, W. of rd., in root of 20-in. stump; lead-headed nail	871.33
T. 45 N., R. 23 W., 1,020 ft. N. of quarter cor. between secs. 18 and 19, on S. end of W. head wall of concrete culvert; chiseled square	809.79
T. 45 N., R. 23 W., 475 ft. N. of center sec. 19, W. of rd., in root of 36-in. maple tree; copper nail and washer	833.96
T. 45 N., R. 23 W., E. sixteenth cor. sec. 20, 9 ft. S. and 26 ft. E. from T-rd. W., in concrete post; standard tablet stamped "T T 1562 C W A 1934"	843.398
Reference mark, 175 ft. S. of tablet, on N. end of concrete head wall of culvert; chiseled square	841.54
T. 45 N., R. 23 W., E. sixteenth cor. sec. 29, 45 ft. S. and 39 ft. E. from T-rd. E., in NW. corner of yard of Hickory Point School, in concrete post; standard tablet stamped "T T 1561 C W A 1934"	872.369
T. 45 N., R. 23 W., center of SW 1/4 sec. 29; top of corner stone	886.51
T. 45 N., R. 23 W., about 0.2 mi. E. of S. cor. secs. 31 and 32, 25 ft. N. and 40 ft. W. from T-rd. N., in concrete post; standard tablet stamped "T T 1560 C W A 1934"	910.503
Reference mark, 16 ft. N. and 16 ft. E. from tablet, in root of 18-in. maple tree; copper nail and washer	911.18
T. 44 N., R. 23 W., quarter cor. between secs. 5 and 6, 310 ft. N. and 9 ft. W. from T-rd. E., on N. end of W. head wall of concrete culvert; chiseled square	902.33
T. 44 N., R. 23 W., in NE 1/4 sec. 7, in yard of Hope Dale School, 10 ft. E. of well, in concrete post; standard tablet stamped "T T 1559 C W A 1934"	930.993
Reference mark, 3 ft. N. and 6 ft. W. from tablet, on NE. corner of concrete well platform; chiseled square	931.76
T. 44 N., R. 23 W., 0.2 mi. N. of approximate quarter cor. between secs. 17 and 18, on S. end of E. head wall of concrete culvert; chiseled square	931.87

*Line 1 of Windsor quadrangle (see Bull. 898-H, pp. 1016-1017).

	<u>Feet</u>
T. 44 N., R. 23 W., cor. secs. 19, 20, 29, and 30, 100 ft. S. and 25 ft. W. from rd. intersection, W. of rd., at S. right-of-way fence of Missouri-Kansas-Texas R.R., in concrete post; standard tablet stamped "T T 1558 C W A 1934"	935.382
Reference mark, 105 ft. N. and 41 ft. E. from tablet, on bell end of concrete drain pipe; chiseled square	936.05
T. 44 N., R. 23 W., cor. secs. 29, 30, 31, and 32, 9 ft. N. and 14 ft. W. from crossroads, on E. end of N. head wall of concrete culvert; chiseled square	927.11
T. 44 N., R. 23 W., near line between secs. 30 and 31, about 0.2 mi. E. of Johnson-Pettis county line, E. of Missouri-Kansas-Texas R.R., 40 ft. S. of rd., in concrete post; standard tablet stamped "T T 1557 C W A 1934"	919.854
Windsor, at NE. limits of, 63 ft. S. and 25 ft. E. from State Highway 52 at Henry-Pettis county line, on S. line of right-of-way, in concrete post; standard tablet stamped "T T 1556 C W A 1934"	895.399
Windsor, 38 ft. S. and 28 ft. E. from intersection of Florence and Main Streets in concrete post; standard tablet stamped "T T 1555 C W A 1934"	912.851
Reference mark, 274 ft. S. of tablet, in NW. corner of NE. concrete pedestal of city-water tower; (mark not described)	914.73
T. 43 N., R. 23 W., near N. sixteenth cor. sec. 7, in front of dwelling of Alton Hurst, in root of 30-in. hickory tree; copper nail and washer	874.74
T. 43 N., R. 23 W., E. sixteenth cor. between secs. 7 and 18, 37 ft. S. and 47 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 256 C W A 1934"	875.422
Reference mark, 20 ft. N. and 61 ft. E. from tablet, on N. end of E. head wall of concrete culvert; chiseled square	871.444

(Continued in Lincoln quadrangle; see line 4.)

2. FROM SEC. 29, T. 45 N., R. 23 W., EAST TO SEC. 26, T. 45 N., R. 23 W. (by R. B. Kuebler and C. P. Thompson in 1934)

T. 45 N., R. 23 W., in E 1/2 sec. 28, on S. end of W. concrete abutment of bridge over Elk Fork Creek; chiseled square	831.89
T. 45 N., R. 23 W., in E 1/2 sec. 27, on W. end of S. concrete head wall of culvert; chiseled square	851.36
Kendrick triangulation sta.; U.S.C. & G.S. standard disk	916.877

3. FROM SEC. 32, T. 45 N., R. 23 W., EAST INTO SMITHTON QUADRANGLE AT SEC. 33, T. 45 N., R. 21 W. (by R. B. Kuebler in 1934)

T. 44 N., R. 23 W., N. cor. secs. 4 and 5, 843 ft. W. of T-rd. S., on W. end of concrete head wall of culvert; chiseled square	896.64
T. 44 N., R. 23 W., 315 ft. W. of N. cor. secs. 3 and 4, on W. end of S. concrete abutment of bridge; chiseled square	869.16
T. 44 N., R. 23 W., near N. quarter cor. sec. 3, 60 ft. S. and 25 ft. E. from T-rd., in root of 20-in. elm tree; copper nail and washer	897.64
T. 44 N., R. 23 W., in S 1/2 sec. 3, 36 ft. N. and 30 ft. W. from T-rd. N., in concrete post; standard tablet	904.517
Reference mark, 12 ft. S. and 22 ft. E. from tablet, on N. end of W. concrete head wall of culvert; chiseled square	904.84
T. 44 N., R. 23 W., near center sec. 2, 660 ft. W. of T-rd. S., on E. end of S. head wall of concrete culvert; chiseled square	897.41
Green Ridge, at W. limits of, 25 ft. S. and 41 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 257 C W A 1934"	909.180
Reference mark, 16 ft. S. and 63 ft. W. from tablet, in root of 30-in. maple tree; copper nail and washer	908.40
T. 44 N., R. 23 W., in N 1/2 sec. 1, 660 ft. S. of T-rd. S., on S. end of E. head wall of concrete culvert; chiseled square	884.54
Green Ridge, about 0.8 mi. N. and 0.8 mi. E. from, 28 ft. S. and 28 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 260 C W A 1934"	886.278
Reference mark, 8 ft. N. and 36 ft. E. from tablet, on E. head wall of concrete culvert; chiseled square	887.02
T. 44 N., R. 22 W., N. cor. secs. 5 and 6, SW. of T-rd. S., on S. end of W. head wall of concrete culvert; chiseled square	868.35
T. 45 N., R. 22 W., S. cor. secs. 32 and 33, NE. of T-rd. N., on S. end of E. head wall of concrete culvert; chiseled square	869.34
Green Ridge, about 0.8 mi. N. and 3 mi. E. from, on line between secs. 4 and 33, Tps. 44 and 45 N., R. 22 W., 30 ft. S. and 54 ft. W. from T-rd. N., 15 ft. S. and 503 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 259 C W A 1934"	868.494
Reference mark, 10 ft. N. and 64 ft. E. from tablet, in root of 14-in. oak tree; copper nail and washer	865.86
Tps. 44 and 45 N., R. 22 W., on line between secs. 3 and 34, on W. bank of Basin Fork Creek, 70 ft. S. of rd., 12 ft. E. of N.-S. fence, in root of 12-in. white-oak tree; nail and washer	825.98
T. 44 N., R. 22 W., in N 1/2 sec. 2, 150 ft. S. of rd., 4 ft. E. of N.-S. fence, in root of 26-in. hackberry tree; copper nail and washer	827.19
T. 44 N., R. 22 W., N. quarter cor. sec. 1, 200 ft. E. of stone, 1.5 mi. W. of U.S. Highway 65, N. of rd. corner E.-S., in concrete post; standard tablet stamped "T T 258 C W A 1934"	821.538
T. 45 N., R. 21 W., 540 ft. E. of W. sixteenth cor. on S. line sec. 31, on E. end of N. concrete head wall of culvert; chiseled square	862.51

T. 44 N., R. 21 W., in NE. cor. sec. 6, 33 ft. S. and 39 ft. W. from U.S. Highway 65 at crossroad, 129 ft. N. and 50 ft. E. from NE. corner of Anderson School, in concrete post; U.S.C. & G.S. and State Survey standard tablet Feet
892.956

(Continued in Smithton quadrangle; see line 3.)

4. FROM SWEET SPRINGS QUADRANGLE SOUTHEAST ALONG MISSOURI PACIFIC RAILROAD INTO SMITHTON QUADRANGLE (by S. E. Scott in 1934)
(Continued from Sweet Springs quadrangle; see line 3.)

Dresden, about 3 mi. SE. of, 0.3 mi. S. of cor. secs. 25, 30, 31, and 36, T. 46 N., Rs. 21 and 22 W., 65 ft. S. and 28 ft. W. from Missouri Pacific R.R. at rd. crossing, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 32 C 1936" 788.712

(Continued in Smithton quadrangle; see line 4.)

5. FROM WINDSOR QUADRANGLE AT SEC. 31, T. 45 N., R. 23 W., EAST TO SEC. 32, T. 45 N., R. 23 W., INCLUDING THAT PART OF THE LINE IN WINDSOR QUADRANGLE (by T. G. Drummond in 1934 and R. W. Mattox in 1936)*

T. 45 N., R. 23 W., near center sec. 31, 210 ft. E. of T-rd. S., on N. concrete head wall of culvert; chiseled square 846.31
T-rd. W., 15 ft. N. and 20 ft. E. from, at base of telephone pole; surface of ground 897.1

6. FROM SMITHTON QUADRANGLE AT WEST EDGE OF SEDALIA SOUTH ALONG U.S. HIGHWAY 65 INTO LINCOLN QUADRANGLE (by F. C. Lentz in 1936)

(Continued from Smithton quadrangle; see line 8.)

Sedalia, at W. edge of, 20 ft. S. and 300 ft. E. from junction of U.S. Highway 50, on head wall of concrete culvert; chiseled square 837.60
Junction of U.S. Highway 50; surface of highway 844.1
Sedalia, 20 ft. S. and 20 ft. E. from junction of West Twentieth Street, on concrete head wall of culvert; chiseled square 882.16
Underpass of Missouri-Kansas-Texas R.R., on concrete head wall of culvert; chiseled square 853.74
Sedalia, 1.5 mi. S. of junction of U.S. Highway 50, 236 ft. S. and 40 ft. E. from crossroad, 8 ft. N. and 85 ft. W. from NW. corner of Hi Point School, 2 ft. W. of rail fence, in concrete post; standard tablet stamped "1096 C W A 1934" 854.506
Junction of rd. E., at base of telephone pole; surface of ground 878.8
T. 45 N., R. 21 W., in SE 1/4 sec. 17, 25 ft. N. and 20 ft. E. from junction of rd. W., on concrete head wall of culvert; chiseled square 867.50
T. 45 N., R. 21 W., in SE 1/4 sec. 20, on top of concrete abutment at NW. corner of bridge over Flat Creek; chiseled square 792.78
T. 45 N., R. 21 W., in NW 1/4 sec. 29, 88 ft. S. and 37 ft. E. from junction of private rd. W., 16 ft. S. and 108 ft. W. from NW. corner of barn, 3 ft. inside right-of-way fence, in concrete post; standard tablet stamped "1097 C W A 1934" 854.927
Crossroad, on concrete head wall of culvert; chiseled square 873.30
T. 45 N., R. 21 W., in NW 1/4 sec. 32, 20 ft. E. of junction of old highway N., on concrete head wall of culvert; chiseled square 897.08
T. 44 N., R. 21 W., in NE. cor. sec. 6, 129 ft. N. and 50 ft. E. from NE. corner of Anderson School, 33 ft. S. and 39 ft. W. from crossroad, in concrete post; U.S.C. & G.S. and State Survey standard tablet 892.956
Reference mark, 12 ft. N. and 10 ft. E. from tablet, on concrete head wall of culvert; chiseled square 893.62
T. 44 N., R. 21 W., in SW 1/4 sec. 5, 20 ft. E. of highway, on head wall of concrete culvert; chiseled square 937.49
Junction of rd. W., on head wall of concrete culvert; chiseled square 926.20
T. 44 N., R. 21 W., cor. secs. 7, 8, 17; and 18, 15 ft. S. and 30 ft. E. from crossroad, on head wall of concrete culvert; chiseled square 915.57
T. 44 N., R. 21 W., cor. secs. 17, 18, 19, and 20, 48 ft. S. and 40 ft. W. from crossroad, 103 ft. W. of NW. corner of Midway Garage, 2 ft. inside right-of-way fence, in concrete post; standard tablet stamped "1098 C W A 1934" 927.255
Reference mark, 75 ft. N. of tablet, on head wall of concrete culvert; chiseled square 927.32
T. 44 N., R. 21 W., cor. secs. 19, 20, 29, and 30, 35 ft. S. and 20 ft. E. from crossroad, on head wall of concrete culvert; chiseled square 968.43
T. 44 N., R. 21 W., cor. secs. 29, 30, 31, and 32, 15 ft. N. and 25 ft. E. from junction of rd. E., on concrete head wall of culvert; chiseled square 1,017.22
Tps. 43 and 44 N., R. 21 W., cor. secs. 5, 6, 31, and 32, on Benton-Pettis county line, 46 ft. N. and 40 ft. E. from junction of State Highway 52 W. and rd. E., 9 ft. N. and 2 ft. E. from transmission-line pole, on right-of-way, in concrete post; standard tablet stamped "1099 C W A 1934" 999.158
Reference mark, 35 ft. SW. of tablet, on head wall of concrete culvert; chiseled square 998.79
T. 43 N., R. 21 W., cor. secs. 5, 6, 7, and 8, 10 ft. S. and 20 ft. E. from junction of private rd. E., on concrete pipe culvert; chiseled square 1,004.65

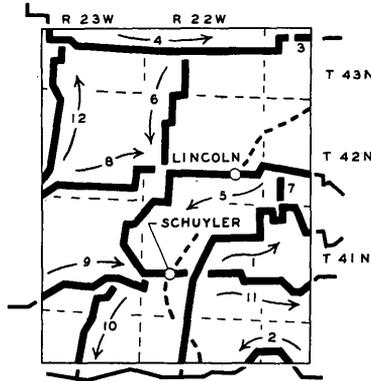
*In line 3 of Windsor quadrangle (see Bull. 898-H, p. 1018).

T. 43 N., R. 21 W., cor. secs. 7, 8, 17, and 18, 20 ft. S. and 20 ft. E. from junction of rd. E., on head wall of concrete culvert; chiseled square

Feet
1,012.56

For additional level lines along Missouri Pacific R.R., Missouri-Kansas-Texas R.R., and Chicago, Rock Island & Pacific Ry., refer to United States Coast and Geodetic Survey first-order line, Jefferson City to Pleasant Hill; and second-order lines, Sedalia to Springfield and Versailles to Windsor.

LINCOLN QUADRANGLE
(Latitude 38°15'-38°30'; longitude 93°15'-93°30')
Benton County



1. FROM FRISTOE QUADRANGLE NORTH ALONG U.S. HIGHWAY 65 TO SEC. 10, T. 41 N., R. 22 W., THENCE EAST ALONG ROADS INTO COLE CAMP QUADRANGLE AT SEC. 9, T. 41 N., R. 21 W. (by C. E. Reick in 1932)
(Continued from Fristoe quadrangle; see line 2.)

Warsaw, 1 mi. NE. of, at junction of rd. W., E. of highway, in base of post; spike	740.58
T. 40 N., R. 22 W., in NW 1/4 sec. 9, 50 ft. NE. of junction of rd. E., on head wall of culvert; chiseled square	683.04
Missouri Pacific R.R. at highway crossing; center of	721.4
T. 41 N., R. 22 W., in NE 1/4 NE 1/4 sec. 33, about 1.1 mi. NE. of Missouri Pacific R.R. crossing, 40 ft. S. and 25 ft. E. from junction of private rd. SE. to farmhouse, in concrete post; standard tablet stamped "T T 217 B 1932"	732.207
Reference mark, 820 ft. N. of tablet, on E. head wall of culvert; chiseled square	739.81
T. 41 N., R. 22 W., 300 ft. SE. of quarter cor. between secs. 22 and 27, 20 ft. NE. of junction of rd. NE., on head wall of culvert; chiseled square	799.28
T. 41 N., R. 22 W., center sec. 22, at crossroad; surface of highway	877.5
T. 41 N., R. 22 W., 0.2 mi. S. of center sec. 15, E. of highway, on head wall of culvert; chiseled square	887.77
T. 41 N., R. 22 W., center sec. 15, 20 ft. S. and 42 ft. E. from crossroad, in concrete post; standard tablet stamped "T T 218 B 1932"	885.765
Reference mark, 10 ft. NW. of tablet, on head wall of culvert; chiseled square	882.77
T. 41 N., R. 22 W., center sec. 10, 3 mi. S. of Lincoln, 40 ft. SE. of junction of rd. E., on head wall of culvert; chiseled square	923.13
T. 41 N., R. 22 W., 0.2 mi. W. of center sec. 11, 30 ft. NW. of T-rd. S., on boulder; chiseled square	935.12
T. 41 N., R. 22 W., center sec. 12, 31 ft. S. and 83 ft. W. from, 20 ft. S. and 20 ft. E. from rd. fork W., in concrete post; standard tablet stamped "T T 219 B 1932"	877.233
Reference mark, 360 ft. NE. of tablet, on small boulder; chiseled square	899.22
T. 41 N., R. 21 and 22 W., 0.2 mi. S. of N. cor. secs. 1 and 6, 100 ft. NE. of rd. fork S., on head wall of culvert; chiseled square	977.04
T. 41 N., R. 21 W., 0.2 mi. W. of center sec. 6, 50 ft. SW. of rd. fork S., on boulder; chiseled square	973.54
T. 41 N., R. 21 W., in SE 1/4 NW 1/4 sec. 5, 30 ft. S. and 90 ft. E. from curve in Edmonson-Lincoln rd. and junction of rd. E., in concrete post; standard tablet stamped "T T 220 B 1932"	907.909
Reference mark, 360 ft. SE. of tablet, in root of 12-in. oak tree; copper nail	912.36
T. 41 N., R. 21 W., on line between secs. 5 and 8, 30 ft. S. of rd. fork SW., in root of 20-in. oak tree; copper nail	940.91

	<u>Feet</u>
T. 41 N., R. 21 W., near center of SW 1/4 sec. 9, in triangle at rd. fork E., in root of 24-in. oak tree; copper nail	902.53
(Continued in Cole Camp quadrangle; see line 1.)	
2. FROM FRISTOE QUADRANGLE AT SEC. 17, T. 40 N., R. 21 W.; WEST INTO FRISTOE QUADRANGLE AT SEC. 13, T. 40 N., R. 22 W. (by C. P. Thompson in 1934)	
(Continued from Fristoe quadrangle; see line 4.)	
Warsaw, 8 mi. E. of, along old Duroc-Warsaw rd., in SW 1/4 SW 1/4 sec. 8, T. 40 N., R. 21 W., 15 ft. N. and 18 ft. W. from rd. forks, in root on N. side of 16-in. elm tree; copper nail and washer	822.48
Warsaw, 6.8 mi. E. of, along old Duroc-Warsaw rd., in NW 1/4 NW 1/4 sec. 18, T. 40 N., R. 21 W., 315 ft. E. of range line, 21 ft. S. and 69 ft. E. from private rd. NW., in root on N. side of 18-in. oak tree; copper nail and washer	872.18
(Continued in Fristoe quadrangle; see line 4.)	
3. FROM COLE CAMP QUADRANGLE AT SEC. 16, T. 43 N., R. 21 W., WEST TO SEC. 18, T. 43 N., R. 21 W. (by C. P. Thompson in 1934)	
(Continued from Cole Camp quadrangle; see line 5.)	
T. 43 N., R. 21 W., quarter cor. between secs. 16 and 17, 650 ft. W. of St. John's Lutheran Church, 9 ft. S. and 895 ft. E. from crossroads, on E. end of S. head wall of culvert; chiseled square	1,029.53
4. FROM GREEN RIDGE QUADRANGLE AT SEC. 18, T. 43 N., R. 23 W., EAST TO SEC. 18, T. 43 N., R. 21 W. (by R. B. Kuebler and C. P. Thompson in 1934)*	
(Continued from Green Ridge quadrangle; see line 1.)	
T. 43 N., R. 23 W., center of SE 1/4 sec. 18, 159 ft. N. and 12 ft. W. from, 650 ft. N. of T-rd. W., on N. end of W. head wall of concrete culvert; chiseled square	865.74
T. 43 N., R. 23 W., E. sixteenth cor. sec. 19, 60 ft. S. and 57 ft. E. from T-rd. N., in yard of Harry Birchum, 2 ft. W. of fence, in root on NE. side of 28-in. maple tree; copper nail and washer	854.55
T. 43 N., R. 23 W., quarter cor. between secs. 20 and 21, 12 ft. N. and 13 ft. W. from T-rd. W., on E. end of N. head wall of culvert; chiseled square	879.55
T. 43 N., R. 23 W., cor. secs. 20, 21, 28, and 29, 22 ft. S. and 25 ft. W. from T-rd. E., in concrete post; standard tablet stamped "255 C W A 1934"	885.402
Reference mark, 12 ft. N. and 12 ft. E. from tablet, on E. end of S. head wall of concrete culvert; chiseled square	886.84
T. 43 N., R. 23 W., cor. secs. 21, 22, 27, and 28, 39 ft. N. and 50 ft. E. from, 50 ft. E. of hedge fence, in farmyard of Virgil Walls, in root on S. side of 16-in. ash tree; copper nail and washer	925.76
T. 43 N., R. 23 W., cor. secs. 22, 23, 26, and 27, 11 ft. S. and 17 ft. W. from crossroads, on E. end of S. head wall of concrete culvert; chiseled square	922.52
T. 43 N., R. 23 W., cor. secs. 23, 24, 25, and 26, 18 ft. S. and 58 ft. W. from crossroads, in concrete post; standard tablet stamped "277 C W A 1934"	934.037
Reference mark, 3 ft. N. end 69 ft. E. from tablet, on N. end of W. head wall of concrete culvert; chiseled square	934.66
T. 43 N., R. 22 W., 7 ft. S. and 16 ft. E. from NW. cor. sec. 30, 28 ft. S. and 16 ft. E. from crossroads, 16 ft. E. of range line, on E. end of S. head wall of concrete culvert; chiseled square	940.35
T. 43 N., R. 22 W., 8 ft. S. and 150 ft. E. from cor. secs. 19, 20, 29, and 30, 8 ft. S. of rd., on E. end of S. head wall of concrete culvert; chiseled square	928.22
T. 43 N., R. 22 W., cor. secs. 20, 21, 28, and 29, 24 ft. N. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "278 C W A 1934"	949.577
Reference mark, 10 ft. S. and 13 ft. W. from tablet, on S. end of E. head wall of concrete culvert; chiseled square	948.55
T. 43 N., R. 22 W., in SE 1/4 sec. 21, S. of rd., on W. head wall of concrete culvert; chiseled square	919.46
T. 43 N., R. 22 W., quarter cor. between secs. 22 and 27, 20 ft. N. and 13 ft. W. from crossroads, on S. end of W. head wall of concrete culvert; chiseled square	923.75
T. 43 N., R. 22 W., 15 ft. N. and 45 ft. W. from quarter cor. between secs. 23 and 26, 15 ft. N. and 21 ft. W. from T-rd. S., in root on S. side of 8-in. hedge tree; copper nail and washer	929.87
T. 43 N., R. 22 W., cor. secs. 23, 24, 25, and 26, 22 ft. N. and 144 ft. E. from crossroads, in concrete post; standard tablet stamped "297 C W A 1934"	930.425
Reference mark, 31 ft. S. and 13 ft. W. from tablet, on E. end of W. head wall of concrete culvert; chiseled square	930.40
T. 43 N., Rs. 21 and 22 W., N. cor. secs. 25 and 30, 17 ft. S. and 10 ft. E. from T-rd. N., 10 ft. E. of rd., on center of E. head wall of concrete culvert; chiseled square	936.59

*Line 2 of Calhoun quadrangle includes a portion of this line (see Bull. 898-H, p. 1021).

	<u>Feet</u>
T. 43 N., R. 21 W., cor. secs. 19, 20, 29, and 30, 89 ft. N. and 43 ft. W. from U.S. Highway 65 at rd. W., in concrete post; standard tablet stamped "279 C W A 1934"	933.813
Reference mark, 63 ft. S. and 27 ft. E. from tablet, on S. end of W. head wall of concrete culvert; chiseled square	935.21
T. 43 N., R. 21 W., near quarter cor. between secs. 17 and 18, 58 ft. W. of U.S. Highway 65, 30 ft. S. of E.-W. rd., in concrete post; standard tablet stamped "1554 C W A 1934"	1,005.252
Reference mark, 17 ft. N. and 13 ft. E. from tablet, on W. end of S. head wall of concrete culvert; chiseled square	1,004.65
5. FROM COLE CAMP QUADRANGLE AT SEC. 28, T. 42 N., R. 21 W., WEST BY WAY OF LINCOLN TO SEC. 30, T. 42 N., R. 22 W., THENCE SOUTH AND EAST TO SEC. 15, T. 41 N., R. 22 W. (by C. P. Thompson and Cornish Beck in 1934) (Continued from Cole Camp quadrangle; see line 6.)	
T. 42 N., R. 21 W., in E 1/2 sec. 29, 110 ft. N. and 90 ft. W. from rd. forks, 40 ft. W. of rd., in root on SE. side of 16-in. elm tree; copper nail and washer	751.60
T. 42 N., R. 21 W., cor. secs. 19, 20, 29, and 30, 10 ft. S. and 15 ft. E. from T-rd. N., 75 ft. E. of transmission-line, on center of head wall of concrete culvert; chiseled square	771.62
Lincoln, 2.5 mi. E. and 0.2 mi. N. from, near W. sixteenth cor. between secs. 19 and 30, T. 42 N., R. 21 W., 50 ft. N. and 21 ft. E. from T-rd. E., on land of Hugh D. Morris, 2 ft. W. of fence, in concrete post; standard tablet stamped "T 568 C W A 1934"	785.015
Lincoln, 1.4 mi. E. of, 7 ft. W. of lane S. to dwelling of John Kriessler, 18 ft. S. of rd., in root on N. side of 20-in. post-oak tree; copper nail and washer	719.00
Lincoln, at E. edge of, 10 ft. S. and 57 ft. E. from U.S. Highway 65 at Main Street and rd. E., on center of head wall of concrete culvert; chiseled square	949.50
Lincoln, 60 ft. N. of Missouri Pacific R.R. sta., 16 ft. W. of mainline track, 20 ft. N. of Main Street, in concrete post; standard tablet stamped "T T 569 C W A 1934"	962.603
Lincoln, 1 mi. W. of, along County Route C, 25 ft. S. of highway, 12 ft. E. of junction of private rd. S., on E. end of iron pipe culvert; painted square	905.38
Lincoln, 2 mi. W. of, along County Route C, 15 ft. N. of highway, in SW. corner of yard of August Kasemann, in root on SW. side of 40-in. post-oak tree; copper nail and washer	884.46
Lincoln, 2.2 mi. W. of, in E 1/2 sec. 30, T. 42 N., R. 22 W., 27 ft. N. and 20 ft. E. from rd. junction, 65 ft. SW. of SW. corner of Bethel Baptist Church, in concrete post; standard tablet stamped "T T 570 C W A 1934"	888.191
T. 42 N., R. 22 W., in SE 1/4 sec. 31, 15 ft. S. and 35 ft. W. from rd. corner, 4 ft. S. of fence W., in root on SE. side of 28-in. black-oak tree; copper nail and washer	845.49
Tps. 41 and 42 N., R. 22 W., near W. sixteenth cor. between secs. 6 and 31, 35 ft. N. and 110 ft. W. from T-rd. S., in yard of C. E. Armstrong, in root on SE. side of 16-in. post-oak tree; copper nail and washer	855.51
T. 41 N., R. 23 W., in NE 1/4 sec. 1, 70 ft. W. of Cherrydale School, 20 ft. E. of rd., 8 ft. NW. of triangular-blazed 20-in. tree, in yard, in concrete post; standard tablet stamped "T T 571 C W A 1934"	855.578
T. 41 N., R. 23 W., near E. sixteenth cor. between secs. 1 and 12, 40 ft. N. of Flemming Branch, 7 ft. E. of rd., in root on W. side of 20-in. water-oak tree; copper nail and washer	752.88
T. 41 N., R. 23 W., in NW 1/4 NW 1/4 sec. 12, 15 ft. N. and 18 ft. E. from rd. corner W.-S. and dim rd. E., about 300 ft. E. of new graded rd., in root on S. side of 3 1/2-in. black-oak tree; copper nail and washer	867.62
Passo, about 0.6 mi. NW. of, center of NW 1/4 sec. 13, T. 41 N., R. 23 W., 27 ft. W. of rd., 12 ft. N. of triangular-blazed 24-in. black-oak tree, in concrete post; standard tablet stamped "T T 572 C W A 1934"	909.725
Passo, at filling sta., on SW. corner of gasoline pump; chiseled square	762.29
Passo, 1.2 mi. S. of, 35 ft. S. and 25 ft. W. from T-rd. E., in root on N. side of 36-in. white-oak tree; copper nail and washer	738.30
Passo, 1 mi. S. and 1.2 mi. E. from, near center of SE 1/4 sec. 19, T. 41 N., R. 22 W., 48 ft. E. of rd. corner W.-SE; 6 ft. NE. of 16-in. cedar tree, in concrete post; standard tablet stamped "T T 573 C W A 1934"	738.135
T. 41 N., R. 22 W., in SW 1/4 SW 1/4 sec. 20, 18 ft. N. of rd. fork, in root on S. side of 30-in. post-oak tree; copper nail and washer	838.74
Schuyler, 95 ft. W. of Missouri Pacific R.R., 10 ft. N. of rd., on SW. corner of bottom concrete step; painted square	758.45
6. FROM SEC. 20, T. 43 N., R. 22 W., SOUTH TO SEC. 30, T. 42 N., R. 22 W. (by Cornish Beck in 1934)	
T. 43 N., R. 22 W., near N. sixteenth cor. between secs. 29 and 30, opposite driveway to dwelling of Edward Keuper, 20 ft. W. of rd., in root on NE. side of 18-in. cherry tree; copper nail and washer	958.75
T. 43 N., R. 22 W., in SE 1/4 sec. 30, 20 ft. N. of E.-W. rd., 10 ft. W. of rd. N., on N. end of head wall of concrete culvert; chiseled square	948.07
T. 42 N., R. 22 W., in SE 1/4 sec. 6, 18 ft. E. of rd., 7 ft. N. of private rd. E., on center of concrete head wall of culvert; painted square	923.70

	<u>Feet</u>
T. 42 N., R. 22 W., S. sixteenth cor. between secs. 7 and 8, 17 ft. N. and 55 ft. E. from T-rd. N., in concrete post; standard tablet stamped "T T 655 C W A 1934"	917.251
T. 42 N., R. 22 W., E. sixteenth cor. between secs. 7 and 18, 15 ft. N. of rd., 8 ft. N. of private rd. E., on center of head wall of concrete culvert; chiseled square	911.08
T. 42 N., R. 22 W., quarter cor. between secs. 19 and 20, 25 ft. N. and 35 ft. E. from T-rd. E., in root on N. side of 16-in. white-oak tree; copper nail and washer	909.50
7. FROM SEC. 29, T. 42 N., R. 21 W., SOUTH TO SEC. 5, T. 41 N., R. 21 W. (by Cornish Beck in 1934)	
T. 42 N., R. 21 W., quarter cor. between secs. 29 and 30, 110 ft. N. and 90 ft. W. from rd. forks, 40 ft. W. of rd., in root on SE. side of 16-in. elm tree; copper nail and washer	751.60
T. 42 N., R. 21 W., in NW 1/4 sec. 32, on top of hill, 30 ft. N. and 30 ft. E. from junction of private rd. W., in gatepost, in root on SW. side of 24-in. hickory tree; copper nail and washer	916.02
T. 42 N., R. 21 W., in SE 1/4 SE 1/4 sec. 31, about 600 ft. N. of T-rd. E., 65 ft. E. of corner of barn near residence of S. A. Laine, in root on E. side of 40-in. locust tree; copper nail and washer	950.02
8. FROM CALHOUN QUADRANGLE AT SEC. 6, T. 41 N., R. 23 W., NORTH TO SEC. 29, T. 42 N., R. 23 W., THENCE EAST ALONG COUNTY ROUTE C TO SEC. 30, T. 42 N., R. 22 W. (by C. T. Shepherd in 1935)	
T. 42 N., R. 23 W., S. quarter cor. sec. 32, 25 ft. N. and 9 ft. W. from T-rd. N., on top of W. head wall of concrete culvert; chiseled square	815.88
Lincoln, 8.5 mi. W. of, quarter cor. between secs. 29 and 32, T. 42 N., R. 23 W., 30 ft. S. and 40 ft. E. from crossroad, in concrete post; standard tablet stamped "T T 651 C W A 1934"	809.760
Lincoln, 7.5 mi. W. of, quarter cor. between secs. 28 and 33, T. 42 N., R. 23 W., 20 ft. S. and 60 ft. W. from junction of private rds. N. and S., in front of dwelling of Arnos Fristo, in root on N. side of wild-cherry tree; copper nail and washer	840.92
Lincoln, 7 mi. W. of, W. sixteenth cor. between secs. 27 and 34, T. 42 N., R. 23 W., on W. end of S. head wall of concrete bridge; chiseled square	789.92
Lincoln, 6 mi. W. of, cor. secs. 26, 27, 34, and 35, T. 42 N., R. 23 W., on W. end of N. head wall of concrete culvert; chiseled square	809.52
Lincoln, 5 mi. W. of, 140 ft. S. and 40 ft. W. from SW. corner of Fairview School, 28 ft. S. and 7 ft. E. from highway at fences N. and W., in concrete post; standard tablet stamped "1263 E R A 1935"	866.360
Lincoln, 4.5 mi. W. of, 100 ft. W. of junction of abandoned rd. N., on center of N. head wall of culvert; chiseled square	858.45
Lincoln, 3.5 mi. W. of, on center of N. head wall of concrete culvert; chiseled square	805.06
9. FROM CALHOUN QUADRANGLE AT SEC. 32, T. 41 N., R. 23 W., NORTHEAST BY WAY OF RACKET AND PASSO TO SEC. 24, T. 41 N., R. 23 W. (by C. T. Shepherd in 1935)	
Racket, 450 ft. E. of, 38 ft. N. and 24 ft. W. from junction of rd. N., in concrete post; standard tablet stamped "1260 E R A 1935"	845.095
Racket, 0.8 mi. NE. of, near cor. secs. 28, 29, 32, and 33, T. 41 N., R. 23 W., 30 ft. S. and 18 ft. W. from rd. corner produced, 18 ft. W. of rd., in root on E. side of 24-in. oak tree; copper nail and washer	846.56
Racket, about 1.7 mi. NE. of, in NW 1/4 sec. 28, T. 41 N., R. 23 W., on E. end of S. wall of E. abutment of suspension bridge over Tebo Branch of Lake of the Ozarks; chiseled square	664.59
T. 41 N., R. 23 W., in NW 1/4 sec. 27, 10 ft. S. and 50 ft. W. from T-rd. W., on W. end of S. head wall of concrete culvert; chiseled square	700.24
T. 41 N., R. 23 W., near cor. secs. 22, 23, 26, and 27, 54 ft. S. and 2 ft. W. from SE. corner of dwelling of F. S. Esala, 36 ft. NW. of rd., in concrete post; standard tablet stamped "1261 E R A 1935"	875.176
T. 41 N., R. 23 W., in NE 1/4 sec. 26, 30 ft. N. and 15 ft. W. from crossroads, in root on N. side of 12-in. oak tree; copper nail and washer	843.25
T. 41 N., R. 23 W., in S 1/2 sec. 25, 20 ft. S. and 10 ft. E. from T-rd. S., on NE. wing wall of concrete culvert; chiseled square	714.59
Passo, 2 mi. S. and 1 mi. E. from, in SE 1/4 SW 1/4 sec. 30, T. 41 N., R. 22 W., 36 ft. N. and 50 ft. W. from junction of rd. W., in concrete post; standard tablet stamped "1262 E R A 1935"	676.164
Passo, 2 mi. S. and 0.5 mi. E. from, in W 1/2 sec. 30, T. 41 N., R. 22 W., on top of NW. wing wall of bridge; chiseled square	678.50
10. FROM SEC. 26, T. 41 N., R. 23 W., SOUTH INTO FRISTOE QUADRANGLE AT SEC. 15, T. 40 N., R. 23 W. (by C. T. Shepherd in 1935)	
T. 41 N., R. 23 W., on line between secs. 26 and 35, 660 ft. W. of T-rd. W., on center of N. head wall of concrete arch bridge; chiseled square	694.14
T. 41 N., R. 23 W., in SW 1/4 SW 1/4 sec. 26, at base of bridge shoe on S. end of E. abutment of bridge over Grand River Arm Lake of the Ozarks; chiseled square	679.50

	<u>Feet</u>
T. 41 N., R. 23 W., near N. sixteenth cor. sec. 34, 10 ft. N. of rd. corner S.-E., in root on E. side of 48-in. elm tree; copper nail and washer	691.70
Tps. 40 and 41 N., R. 23 W., on line between secs. 3 and 34, 388 ft. E. of cross fences, 44 ft. W. of old rd. at wire gap, 3 ft. S. of fence, in concrete post; standard tablet stamped "1269 E R A 1935"	838.307
T. 40 N., R. 23 W., cor. secs. 2, 3, 10, and 11, 0.5 mi. S. of Corn Hill School, 30 ft. S. and 30 ft. W. from fence corner, NW. of T-rd. N., in root on S. side of 10-in. white-oak tree; copper nail and washer	856.58
T. 40 N., R. 23 W., in SE 1/4 sec. 10, 1.5 mi. N. of State Highway 35, on top of high hill, 100 ft. E. of fence corner, 10 ft. N. of rd., in root on N. side of 36-in. oak tree; copper nail and washer	874.08

(Continued in Fristoe quadrangle; see line 8.)

11. FROM SEC. 15, T. 41 N., R. 22 W. EAST BY WAY OF POPLAR INTO COLE CAMP QUADRANGLE AT SEC. 28, T. 41 N., R. 21 W.
(by C. T. Shepherd in 1935)

Poplar, 0.5 mi. W. of, near center sec. 22, T. 41 N., R. 22 W., 40 ft. S. and 40 ft. W. from U.S. Highway 65 at crossroad, 25 ft. E. of front of filling sta., on N. end of concrete retaining wall; chiseled square	876.72
Poplar, 0.5 mi. E. of, 45 ft. N. and 300 ft. E. from center sec. 23, T. 41 N., R. 22 W., 30 ft. N. of fence, in root on S. side of 18-in. black-locust tree; copper nail and washer	898.02
Poplar, 1.5 mi. E. of, near center sec. 24, T. 41 N., R. 22 W., 18 ft. S. and 18 ft. W. from T-rd. S., in root on N. side of 8-in. oak tree; copper nail and washer	874.60
T. 41 N., R. 22 W., quarter cor. between secs. 24 and 25, 10 ft. S. and 27 ft. W. from rd. at fence S., 10 ft. S. and 15 ft. W. from curve in rd. E.-N., in concrete post; standard tablet stamped "T T 1264 E R A 1935"	818.599
T. 41 N., R. 21 W., 36 ft. N. and 300 ft. E. from quarter cor. between secs. 19 and 30, 4 ft. N. of fence in front of dwelling, in root on S. side of cedar tree; copper nail and washer	792.80
T. 41 N., R. 21 W., on line between secs. 20 and 29, 36 ft. N. of rd., 10 ft. N. of front yard fence of S. O. Duncan, in root on E. side of 24-in. oak tree; copper nail and washer	861.53
T. 41 N., R. 21 W., in SW 1/4 NW 1/4 sec. 28, 15 ft. S. and 15 ft. E. from T-rd. N., in root on N. side of 12-in. oak tree; copper nail and washer	858.67

(Continued in Cole Camp quadrangle; see line 8.)

12. FROM CALHOUN QUADRANGLE AT SEC. 6, T. 41 N., R. 23 W., NORTH TO SEC. 20, T. 43 N., R. 23 W. (by S. T. Tudor in 1936)*

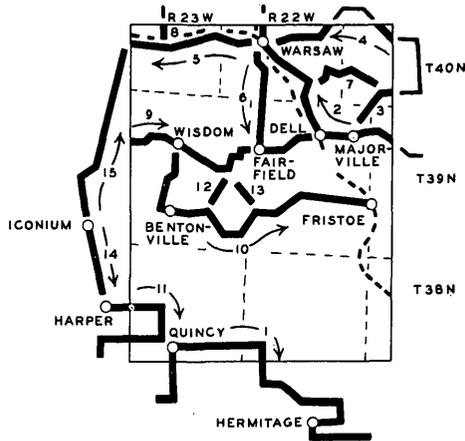
T. 42 N., R. 23 W., center sec. 29, 12 ft. S. and 25 ft. E. from T-rd. W., in W. side of telephone pole; spike	835.44
T. 42 N., R. 23 W., S. sixteenth cor. sec. 20, 270 ft. N. and 20 ft. W. from T-rd. E., in root on E. side of 18-in. hackberry tree; copper nail and washer	840.04
Ford across creek, 150 ft. N. and 20 ft. E. from, in root on W. side of oak tree; crossed nails	790.32
T. 42 N., R. 23 W., S. sixteenth cor. sec. 17, 10 ft. S. and 35 ft. W. from T-rd. W., on top of concrete low-water bridge; chiseled square	792.50
T. 42 N., R. 23 W., in SE 1/4 sec. 17, 40 ft. N. and 20 ft. E. from T-rd. W., in root on W. side of 24-in. oak tree; copper nail and washer	819.76
Santiago, 0.5 mi. N. and 1 mi. W. from, cor. secs. 8, 9, 16, and 17, T. 42 N., R. 23 W., 19 ft. N. and 27 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 652 C W A 1934"	814.875
T. 42 N., R. 23 W., near quarter cor. between secs. 4 and 5, 30 ft. N. and 18 ft. W. from T-rd. W., in root on SE. side of 18-in. locust tree; copper nail and washer	874.53
Bridge over creek, on top of S. end of W. girder; painted square	835.41
Barker Creek, on top of W. end of N. abutment of bridge; chiseled square	835.63
T. 43 N., R. 23 W., near E. sixteenth cor. between secs. 29 and 32, 15 ft. S. and 40 ft. E. from T-rd. S., in N. side of fence post; spike	863.94
T. 43 N., R. 23 W., near cor. secs. 28, 29, 32, and 33, 20 ft. S. and 45 ft. E. from T-rd. N., in root on N. side of 12-in. hedge tree; copper nail and washer	853.31

For additional level lines along Chicago, Rock Island & Pacific Ry. and Missouri Pacific R.R., refer to United States Coast and Geodetic Survey second-order lines, Versailles to Windsor and Waraaw to Nay.

* In line 7 of Calhoun quadrangle (see Bull. 898-H; pp. 1022-1023).

FRISTOE QUADRANGLE
(Latitude 38°00'-38°15'; longitude 93°15'-93°30')

Benton, Hickory, and St. Clair Counties



1. FROM HUMANSVILLE QUADRANGLE AT SEC. 13, T. 37 N., R. 23 W., EAST AND NORTH TO QUINCY, THENCE EAST TO WHITE CLOUD, THENCE SOUTH-EAST TO HERMITAGE, THENCE EAST ALONG U.S. HIGHWAY 54 INTO URBANA QUADRANGLE, INCLUDING THAT PART OF THE LINE IN HERMITAGE QUADRANGLE (second-order line by H. P. Jones in 1934)*

Fairview Church, S. sixteenth cor. between secs. 17 and 18, T. 37 N., R. 23 W., 25 ft. N. and 192 ft. W. from T-rd. N., 32 ft. S. and 135 ft. W. from church, 32 ft. S. and 107 ft. E. from Fairview School, in concrete post; standard tablet stamped "T T 91 B 1933 1009"	1,008.030
T. 37 N., R. 23 W., near cor. secs. 16, 17, 20, and 21, 400 ft. S. of State Highway 83 at crossroad, on E. end of N. abutment of bridge; chiseled square	969.98
T. 37 N., R. 23 W., cor. secs. 8, 9, 16, and 17, 10 ft. S. and 25 ft. E. from State Highway 83 at rd. E., on S. head wall of concrete culvert; chiseled square	991.25
T. 37 N., R. 23 W., approximate N. sixteenth cor. between secs. 8 and 9, 895 ft. S. of concrete bridge over Nogles Creek, 22 ft. S. and 30 ft. W. from State Highway 83 at private rd. W. through gate, in concrete post; standard tablet stamped "T T 92 B 1933 950"	949.207
Quincy, 1.2 mi. S. of, along State Highway 83, 10 ft. S. and 25 ft. E. from junction of rd. E., on S. head wall of concrete culvert; chiseled square	963.53
Quincy, about 0.2 mi. S. of post office, along State Highway 83, 20 ft. N. and 20 ft. E. from junction of rd. E., on N. head wall of culvert; chiseled square	959.89
Quincy, 0.3 mi. N. of, along State Highway 83, 20 ft. N. and 31 ft. W. from junction of rd. E., 175 ft. W. of T-fence N., in concrete post; standard tablet stamped "T T 93 B 1933 962"	961.179
Quincy, 1.4 mi. NE. of, near line between secs. 27 and 28, T. 38 N., R. 23 W., 15 ft. N. of rd. fork S., in root on S. side of 18-in. black-oak tree; copper nail and washer	968.78
Quincy, 2.3 mi. NE. of, near center sec. 27, T. 38 N., R. 23 W., on N. end of E. abutment of bridge over Pomme de Terre River; chiseled square	804.32
Quincy, 2.8 mi. NE. of, 0.5 mi. E. of bridge over Pomme de Terre River, near line between secs. 26 and 27, T. 38 N., R. 23 W., 15 ft. S. of rd. fork S., in root on N. side of 12-in. black-oak tree; copper nail and washer	850.16
White Cloud, about 2.7 mi. W. of, 1.6 mi. N. of Meyers School, on line between secs. 23 and 26, T. 38 N., R. 23 W., 34 ft. S. and 30 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T 94 B 1933 968"	967.127
White Cloud, 1.2 mi. W. of, in NW 1/4 sec. 30, T. 38 N., R. 22 W., 40 ft. S. and 35 ft. W. from junction of private rd. S., in root on S. side of 20-in. black-oak tree; copper nail and washer	972.16
White Cloud, at SW. corner of store of J. C. Franklin, 15 ft. N. and 45 ft. E. from crossroads, in NW. corner of concrete porch; standard tablet stamped "14 J 1934 985"	983.809
White Cloud, 1 mi. S. of, along County Route B, in NW 1/4 sec. 32, T. 38 N., R. 22 W., about 350 ft. N. of junction of rd. E., 30 ft. W. of rd., in root on S. side of 24-in. elm tree; copper nail and washer	1,024.50
T. 38 N., R. 22 W., in E 1/2 sec. 32, on mail route from White Cloud to Cross Timbers, at crossroads, at dwelling of Harrison Barsche, in root of stump of 12-in. oak tree; nail	1,037.84

*Published also as line 1 of the Hermitage quadrangle (see Bull. 898-E, pp. 726-727).

	<u>Feet</u>
Tps. 37 and 38 N., R. 22 W., cor. secs. 5, 6, 31, and 32, 800 ft. W. of rd. at fence N.-S., 32 ft. S. and 35 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 95 B 1933 1014"	1,012.777
T. 37 N., R. 22 W., in SW 1/4 sec. 5, about 0.2 mi. W. of T-rd. S., near center of NE. wing wall of small bridge; chiseled square	955.22
T. 37 N., R. 22 W., about 240 ft. W. of S. sixteenth cor. sec. 4, 28 ft. S. and 5 ft. W. from rd. fork W., in concrete post; standard tablet stamped "T T 96 B 1933 1034"	1,032.589
Hopewell School, 0.7 mi. W. of, along Hermitage-Quincy-White Cloud rd., 8 ft. N. of rd., in root on W. side of 24-in. black-oak tree; copper nail and washer	908.71
Hopewell School, on old Hermitage-Quincy-White Cloud rd., 9 ft. S. and 30 ft. W. from crossroad, 130 ft. NE. of NE. corner of schoolhouse, in root on S. side of 24-in. black-oak tree; copper nail and washer	851.55
Hopewell School, 0.9 mi. E. of, along old Hermitage-Quincy-White Cloud rd., 0.6 mi. N. of bridge over Pomme de Terre River, 30 ft. S. and 15 ft. E. from crossroad, in root on NW. side of 20-in. black-oak tree; copper nail and washer	836.51
Hopewell School, 1.5 mi. SE. of, along old Hermitage-Quincy-White Cloud rd., 125 ft. N. of N. end of bridge over Pomme de Terre River, 4 ft. W. of rd., in root on W. side of 20-in. walnut tree; copper nail and washer	735.32
Hermitage, 3.7 mi. NE. of, along old Cross Timbers-Hermitage rd., 0.8 mi. E. of bridge over Pomme de Terre River, 18 ft. N. of W. junction of rd. to Quincy, in large sandstone outcrop; standard tablet stamped "T T 97 B 1933 924"	922.755
Hermitage, 2.9 mi. NE. of, along old Cross Timbers-Hermitage rd., on SE. wing wall of concrete bridge over Mill Creek; chiseled square	753.60
Hermitage, 2.4 mi. NE. of, along old Cross Timbers-Hermitage rd., 0.5 mi. N. of Clark School, 45 ft. N. and 50 ft. W. from rd. junction, 20 ft. W. of rd. to Cross Timbers, in root on E. side of 18-in. hickory tree; copper nail and washer	895.67
Hermitage, 1.9 mi. E. of, along U.S. Highway 54, 65 ft. N. and 75 ft. E. from junction of old Cross Timbers-Hermitage rd., in root on S. side of 15-in. black-oak tree; copper nail and washer	944.98
Hermitage, about 0.5 mi. E. of, along U.S. Highway 54, at bridge over Pomme de Terre River, in E. end of steel truss of bridge on top of upstream end of pier; standard tablet (set by water-resources branch of U.S. Geol. Survey)	755.672
Hermitage, 25 ft. N. and 78 ft. E. from NE. corner of courthouse, 100 ft. S. and 45 ft. W. from U.S. Highway 54 at crossroad, in concrete post; standard tablet stamped "T T 98 B 1933 823"	821.910
Hermitage, 2.2 mi. E. of, 1 mi. W. of Victory School, 160 ft. W. of junction of lane N., on N. head wall of culvert; chiseled square	964.15
Hermitage, 3.2 mi. E. of, 3 mi. W. of Preston, 75 ft. N. and 85 ft. E. from junction of rd. N., 75 ft. S. of S. gable of Victory School, in concrete post; standard tablet stamped "T T 99 B 1933 974"	972.637
Preston triangulation sta.; U.S.C. & G.S. standard disk	1,120.261
U.S.C. & G.S. standard reference disk	1,106.125

2. FROM CROSS TIMBERS QUADRANGLE AT SEC. 5, T. 39 N., R. 21 W., NORTHWEST TO MAJORVILLE, THENCE WEST TO SEC. 3, T. 39 N., R. 22 W., THENCE NORTH ALONG U.S. HIGHWAY 65 INTO LINCOLN QUADRANGLE (by C. E. Reick in 1932)
(Continued from Cross Timbers quadrangle; see line 2.)

Majorville, 1.5 mi. SE. of, in S 1/2 of NW 1/4 sec. 5, T. 39 N., R. 21 W., on NW. abutment of bridge over Turkey Creek; chiseled square	748.67
Majorville, 0.9 mi. S. and 0.4 mi. E. from NW. cor. sec. 6, T. 39 N., R. 21 W., 28 ft. S. of T-rd. N., in concrete post; standard tablet stamped "T T 207 B 1932"	876.783
Reference mark, 750 ft. SE. of tablet, 90 ft. NW. of rd. fork, in root of 24-in. oak tree; copper nail	883.39
T. 39 N., R. 22 W., in NE 1/4 sec. 1, 2 mi. NE. of Dell, 60 ft. W. of rd. corner S.-E., in root of 30-in. locust tree; copper nail	879.18
T. 39 N., R. 22 W., in NE 1/4 sec. 2, 1 mi. NE. of Dell, S. of rd., in root of 24-in. walnut tree; copper nail	919.32
T. 39 N., R. 22 W., 1.25 mi. N. of S. cor. secs. 2 and 3, about 0.3 mi. W. of Webster and Guy General Store at Dell, 32 ft. N. and 26 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 214 B 1932"	897.457
Reference mark, 300 ft. E. of tablet, on head wall of culvert; chiseled square	902.41
Dell, 0.6 mi. NW. of, at junction of rd. E. to Climax Springs, on E. head wall of culvert; chiseled square	870.07
T. 39 N., R. 22 W., in N 1/2 of NW 1/4 sec. 3, E. of highway, in base of telephone pole; spike	910.35
T. 40 N., R. 22 W., in E 1/2 sec. 35, 2 mi. NW. of Dell, at junction of rd. W., W. of highway, on S. end of culvert; chiseled square	948.60
T. 40 N., R. 22 W., in NE 1/4 NE 1/4 sec. 35, 20 ft. S. and 60 ft. E. from junction of rd. NE. to Duroc, in concrete post; standard tablet stamped "T T 215 B 1932"	924.526
T. 40 N., R. 22 W., in SW 1/4 sec. 26, W. of highway, on boulder; chiseled square	868.34
T. 40 N., R. 22 W., in NW 1/4 NE 1/4 sec. 27, 100 ft. SE. of junction of rd. W. to Fairfield, E. of highway, in root of 24-in. oak tree; copper nail	840.51
Warsaw, on W. coping at S. end of bridge over Osage River; chiseled square	698.22

T. 40 N., R. 22 W., in SE 1/4 sec. 16, about 0.3 mi. N. of N. end of bridge over Lake of the Ozarks, 35 ft. S. and 35 ft. E. from Missouri Pacific R.R. at highway crossing, in concrete post; standard tablet stamped "T T 216 B 1932"	<u>Feet</u> 681.101
Warsaw, 5 in. N. of SE. corner of courthouse, leaded vertically in water table; brass rod (U.S.C.E. B.M.)	713.056

(Continued in Lincoln quadrangle; see line 1.)

3. FROM MAJORVILLE NORTH AND EAST INTO CROSS TIMEERS QUADRANGLE AT SEC. 28, T. 40 N., R. 21 W. (by C. E. Reick in 1932)

T. 40 N., R. 21 W., in NE 1/4 SW 1/4 sec. 33, 50 ft. E. of crossroads, in root of 24-in. oak tree; copper nail	860.61
T. 40 N., R. 21 W., S. sixteenth cor. sec. 28, 980 ft. W. of crossing of Turkey Creek, 200 ft. E. of rd. S. produced, 18 ft. N. of rd., in concrete post; standard tablet stamped "T T 209 B 1932"	746.328
Reference mark, 0.2 mi. E. of tablet, on NW. abutment of bridge over Turkey Creek; chiseled square	707.73

(Continued in Cross Timbers quadrangle; see line 3.)

4. FROM CROSS TIMBERS QUADRANGLE AT SEC. 16, T. 40 N., R. 21 W., WEST TO WARSAW (by C. P. Thompson in 1934)
(Continued from Cross Timbers quadrangle; see line 7.)

T. 40 N., R. 21 W., about 700 ft. W. of quarter cor. between secs. 16 and 17, 50 ft. N. and 80 ft. E. from NE. corner of old log building at site of Old Predonia, 25 ft. S. of Old Warsaw-Duroc Road, in concrete post; standard tablet stamped "T T 553 C W A 1934"	700.552
Reference mark, 21 ft. S. and 51 ft. W. from tablet, in root on NE. side of 16-in. cedar tree; copper nail and washer	704.33

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

T. 40 N., R. 22 W., near center sec. 13, 29 ft. S. of rd., in fence line, in root on N. side of 20-in. oak tree; copper nail and washer	873.95
T. 40 N., R. 22 W., in SW. cor. sec. 13, on W. end of concrete step of Lookout School; chiseled square	861.44
T. 40 N., R. 22 W., about 700 ft. W. of cor. secs. 13, 14, 23, and 24, 35 ft. W. of Old Warsaw-Duroc Road at junction of rd. SE. (new Duroc-Warsaw rd.), in concrete post; standard tablet stamped "T T 554 C W A 1934"	850.925
Reference mark, 30 ft. W. of tablet, in root on E. side of 24-in. black-oak tree; copper nail and washer	849.31
T. 40 N., R. 22 W., in NE 1/4 sec. 22, 27 ft. S. of rd. fork NE., in root on W. side of 12-in. post-oak tree; copper nail and washer	792.72
T. 40 N., R. 22 W., in NW 1/4 SE 1/4 sec. 22, 230 ft. S. of T-rd. E., near dwelling, on N. end of W. head wall of concrete bridge over White Branch; chiseled square	677.68
Warsaw, at U.S. Highway 65 bridge over Osage River, on E. end of N. abutment; U.S.C. & G.S. standard disk stamped "M 35 1934"	673.234
Reference mark, 10 ft. N. and 17 ft. E. from tablet, in root on W. side of 18-in. elm tree; copper nail and washer (R.M. for T.T. 216B 1932)	681.12

5. FROM WARSAW WEST ALONG COUNTY ROUTE A (now State Highway 35) TO SEC. 22, T. 40 N., R. 23 W., THENCE WEST INTO LOWRY CITY QUADRANGLE AT SEC. 19, T. 40 N., R. 23 W. (by C. T. Shepherd in 1935)

U.S.C. & G.S. standard disk stamped "Warsaw 1934"	708.227
T. 40 N., R. 22 W., in SW 1/4 sec. 17, at W. end of bridge over Osage River, on top of W. end of S. handrail; chiseled square	667.58
U.S.C. & G.S. standard disk stamped "P 35 1934"	750.002
Warsaw, 2.2 mi. W. of, on S. end of E. abutment of bridge over Osage River; chiseled square	671.39
Warsaw, 3 mi. W. of, on line between secs. 23 and 24, T. 40 N., R. 23 W., 50 ft. N. and 20 ft. W. from crossroad, in root on S. side of black-oak tree; copper nail and washer	760.60
U.S.C. & G.S. standard disk stamped "Q 35 1934"	796.652
U.S.C. & G.S. standard disk stamped "R 35 1934"	859.992
Finey, 4 mi. E. of, 20 ft. S. of rd., in root on E. side of 24-in. white-oak tree; copper nail and washer	922.45
U.S.C. & G.S. standard disk stamped "S 35 1934"	919.808

6. FROM WARSAW SOUTH TO SEC. 28, T. 40 N., R. 22 W., THENCE SOUTH ALONG COUNTY ROUTE E TO FAIRFIELD, THENCE EAST ALONG ROADS TO DELL (by C. T. Shepherd in 1935)

Warsaw, 0.7 mi. S. of, near quarter cor. between secs. 20 and 21, T. 40 N., R. 22 W., at suspension bridge over Osage River, on W. concrete handrail at N. approach; chiseled square	665.50
Warsaw, 1.8 mi. S. of, in NW 1/4 sec. 28, T. 40 N., R. 22 W., 200 ft. N. of dwelling of M. A. Price, 25 ft. E. of rd., in root on W. side of 12-in. hackberry tree; copper nail and washer	813.48
Warsaw, 2.5 mi. S. of, in NW 1/4 sec. 33, T. 40 N., R. 22 W., on E. head wall of concrete culvert; chiseled square	761.66

	<u>Feet</u>
T. 40 N., R. 22 W., in SE 1/4 SE 1/4 sec. 32, 170 ft. N. and 27 ft. E. from junction of rd. N., 8 ft. NE. of fence corner, in concrete post; standard tablet stamped "1259 C W A 1935"	745.759
T. 39 N., R. 22 W., in NE 1/4 sec. 6, 0.2 mi. S. of farmhouse of Joe Crawford, 300 ft. S. of fence corner, on E. head wall of concrete culvert; (mark not described)	720.69
T. 39 N., R. 22 W., in SE 1/4 sec. 6, 400 ft. S. of junction of rd. E., on N. end of concrete triple-box culvert; chiseled square	699.71
Fairfield, 1.2 mi. N. of, in SW 1/4 sec. 6, T. 39 N., R. 22 W., 75 ft. S. and 35 ft. E. from junction of rd. E., in root on E. side of 24-in. walnut tree; copper nail and washer	787.95
Fairfield, 0.2 mi. NE. of, 170 ft. SW. of Baptist Church, 35 ft. SE. of highway, 5 ft. SE. of right-of-way fence, in concrete post; standard tablet stamped "203 C W A 1934"	678.142
T. 39 N., R. 22 W., in SE 1/4 sec. 6, 15 ft. S. and 20 ft. E. from T-rd. E., in root on NW. side of 18-in. oak tree; copper nail and washer	759.67
T. 39 N., R. 22 W., near center sec. 5, about 0.2 mi. S. of schoolhouse, in front yard of cabin, 20 ft. N. of rd., in root on NW. side of 12-in. hickory tree; copper nail and washer	800.91
T. 39 N., R. 22 W., in SW 1/4 sec. 4, 30 ft. SE. of rd., in concrete post; standard tablet stamped "206 C W A 1934"	884.275
Dell, 2 mi. SW. of, along Fairfield rd., on line between secs. 3 and 4, T. 39 N., R. 22 W., 70 ft. W. of Y-rds. N., S., and NE., in root on S. side of 12-in. oak tree; copper nail and washer	945.05
7. FROM SEC. 35, T. 40 N., R. 22 W., EAST TO SEC. 28, T. 40 N., R. 21 W. (by C. T. Shepherd in 1935)	
T. 40 N., R. 22 W., in NW 1/4 sec. 25, 18 ft. S. and 20 ft. E. from crossroads, in root on S. side of 12-in. oak tree; copper nail and washer	850.89
T. 40 N., R. 22 W., in SE 1/4 sec. 24, 50 ft. S. and 36 ft. E. from T-rd. S., in root on N. side of 14-in. oak tree; copper nail and washer	880.67
T. 40 N., R. 22 W., in SE 1/4 SE 1/4 sec. 24, 11 ft. S. and 100 ft. W. from rd. at N.-S. fences, 24 ft. S. and 23 ft. W. from rd. fork SE., 7 ft. NW. of triangular blazed 18-in. black-oak tree, in concrete post; standard tablet stamped "T T 1266 E R A 1935"	832.985
T. 40 N., R. 21 W., on line between secs. 19 and 30, 90 ft. W. of NW. corner of Turkey Creek Chapel, 30 ft. S. of rd., in root on N. side of 14-in. oak tree; copper nail and washer	711.63
T. 40 N., R. 21 W., in SE 1/4 sec. 29, 180 ft. S. of SE. corner of yard of Fraction Point School, 15 ft. W. of rd., in root on N. side of 14-in. oak tree; copper nail and washer	730.22
8. FROM LINCOLN QUADRANGLE AT SEC. 15, T. 40 N., R. 23 W., SOUTH TO SEC. 22, T. 40 N., R. 23 W. (by C. T. Shepherd in 1935)	
(Continued from Lincoln quadrangle; see line 10.)	
T. 40 N., R. 23 W., in SE 1/4 sec. 15, 0.7 mi. E. of State Highway 35, along wood trail on top of hill, 18 ft. S. of rd., in root on N. side of 14-in. oak tree; copper nail and washer	832.04
9. FROM LOWRY CITY QUADRANGLE AT SEC. 1, T. 39 N., R. 24 W., EAST TO SEC. 12, T. 39 N., R. 23 W. (by F. C. Lentz in 1936)	
Wisdom, 1 mi. W. of, 35 ft. N. and 20 ft. W. from ford across Hogles Creek, in root on E. side of twin 36-in. sycamore tree; copper nail and washer	724.89
Wisdom, 20 ft. N. and 66 ft. E. from W. sixteenth cor. sec. 5, T. 39 N., R. 23 W., on property of Martin Harvey, 20 ft. N. of rd., 4 ft. N. of fence, in concrete post; standard tablet stamped "244 C W A 1934"	763.114
Wisdom, 0.3 mi. E. of, at ford across Little Hogles Creek, in root of 14-in. walnut tree; nail	712.28
Wisdom, 1.4 mi. E. of, 25 ft. S. and 55 ft. W. from crossroads, in root of 30-in. elm tree; copper nail and washer	740.96
T. 39 N., R. 23 W., in NW 1/4 sec. 10, about 0.2 mi. E. of dwelling of Zenas E. Jones, 30 ft. S. of Fairfield-Wisdom rd., in concrete post; standard tablet stamped "247 C W A 1934"	774.404
T. 39 N., R. 23 W., in NE 1/4 sec. 10, at top of hill at dim rd. NE., in root of 8-in. wild-cherry tree; nail	875.23
T. 39 N., R. 23 W., in NW 1/4 sec. 11, on Fairfield-Wisdom rd., 800 ft. E. of farmhouse, 30 ft. N. of rd., in root of 24-in. elm tree; copper nail and washer	780.87
T. 39 N., R. 23 W., on line between secs. 11 and 12, on NW. corner of concrete bridge over Little Pomme de Terre River; chiseled square	683.01
Fairfield, 1.4 mi. SW. of, 60 ft. N. of rd. forks NE., SW., and NW., in root of 30-in. pin-oak tree; copper nail and washer	718.34
Fairfield, 0.5 mi. SW. of, at SW. corner of bridge over Pomme de Terre River, on concrete curb rail; chiseled square	684.33

10. FROM WISDOM SOUTH TO SEC. 29, T. 39 N., R. 23 W., THENCE EAST TO FRISTOE (by F. C. Lentz in 1936)

	<u>Feet</u>
T. 39 N., R. 23 W., in NE 1/4 sec. 8, at bridge over small branch, in root of 26-in. pin-oak tree; copper nail and washer	756.23
T. 39 N., R. 23 W., in NE 1/4 sec. 8, at rd. forks N., NW., and S., in root of twin 12-in. walnut tree; copper nail and washer	750.90
T. 39 N., R. 23 W., near S. sixteenth cor. between secs. 8 and 9, 1/4 ft. N. and 60 ft. E. from Freedom School, 26 ft. W. of rd., in concrete post; standard tablet stamped "T T 14 C 1936"	820.181
T. 39 N., R. 23 W., on line between secs. 16 and 17, at top of hill, 20 ft. E. of rd., in root of 13-in. hickory tree; copper nail and washer	897.32
T. 39 N., R. 23 W., quarter cor. between secs. 17 and 20, 50 ft. S. and 25 ft. E. from T-rd. W., in root of 14-in. walnut tree; copper nail and washer	880.94
Bentonville, 2.3 mi. NW. of, N. sixteenth cor. sec. 29, T. 39 N., R. 23 W., 15 ft. N. and 32 ft. W. from rd. corner E.-N., 1 ft. S. and 18 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 13 C 1936"	916.213
T. 39 N., R. 23 W., in NE 1/4 sec. 29, at T-rd. S., on top of boulder at foot of 14-in. hickory tree; painted square	905.03
T. 39 N., R. 23 W., on line between secs. 28 and 29, 20 ft. S. and 30 ft. E. from rd. corner S.-E., in root of 28-in. black-oak tree; copper nail and washer	911.82
Fairfield, 3 mi. SW. of, in NE 1/4 NE 1/4 sec. 27, T. 39 N., R. 23 W., 42 ft. S. and 76 ft. W. from rd. forks, 20 ft. S. of rd., in concrete post; standard tablet stamped "T T 12 C 1936"	742.504
Weaver School, 0.9 mi. NW. of, 15 ft. W. of rd. corner NE.-SE., in root of 48-in. elm tree; copper nail and washer	732.99
Weaver School, 50 ft. N. and 100 ft. E. from, 25 ft. N. of rd., in Union Cemetery, in root of 14-in. pin-oak tree; copper nail and washer	728.22
Weaver School, 0.8 mi. SE. of, 100 ft. S. and 45 ft. W. from T-rd. E., in root of 14-in. elm tree; copper nail and washer	737.55
T. 39 N., R. 22 W., near W. quarter cor. sec. 31, on ridge, 57 ft. S. and 8 ft. W. from crossroads, 90 ft. S. and 5 ft. E. from forked, 18-in. post-oak tree, in limestone outcrop; standard tablet stamped "T T 11 C 1936"	914.453
Farmhouse of J. F. Bird, 250 ft. SE. of, 100 ft. SW. of gate to barnyard, in root of twin 16-in. white-oak tree; copper nail and washer	783.02
T. 39 N., R. 22 W., 300 ft. E. of center of NE 1/4 sec. 30, 15 ft. N. of rd., 1 ft. S. and 2 ft. W. from SW. corner of fence around farmyard of Mrs. Missouri Means, in concrete post; standard tablet stamped "T T 10 C 1936"	705.552
Farmhouse of James A. Lay, 275 ft. NE. of, 5 ft. S. of rd., in root of 13-in. white-oak tree; copper nail and washer	780.54
T. 39 N., R. 22 W., in SE 1/4 sec. 20, 75 ft. S. and 70 ft. W. from rd. corner N.-E., in root of 10-in. white-oak tree; copper nail and washer	742.32
T. 39 N., R. 22 W., in NE 1/4 sec. 21, about 0.8 mi. W. of farmhouse of E. Gentry, 25 ft. N. of rd., in fence line, in root of 14-in. water-oak tree; copper nail and washer	858.87
T. 39 N., R. 22 W., N. sixteenth cor. sec. 22, 18 ft. N. of iron pin in fence corner, 20 ft. E. of rd. corner N.-W., in concrete post; standard tablet stamped "T T 9 C 1936"	825.490
T. 39 N., R. 22 W., near quarter cor. between secs. 14 and 23, about 250 ft. SE. of dwelling of J. H. Boyer, in root of 14-in. white-oak tree; copper nail and washer	1,013.77
Fristoe, 1.2 mi. W. of, 30 ft. S. and 40 ft. E. from rd. forks, in root of 10-in. white-oak tree; copper nail and washer	980.07
Sory triangulation sta.; U.S.C. & G.S. standard disk stamped "Sory 1928" Reference mark 2; U.S.C. & G.S. standard reference disk stamped "Sory No 2"	1,027.308
Fristoe, at S. edge of, on U.S. Highway 65, 1 1/4 ft. SW. of SW. corner of schoolhouse, 39 ft. E. of highway, in concrete post; U.S.C. & G.S. standard disk stamped "F 35 1934"	1,015.277
Reference-mark, 1 1/4 ft. NE. of tablet, on SW. corner of first step; chiseled square	943.876
	949.05

11. FROM HARPER EAST TO SEC. 17, T. 38 N., R. 23 W., THENCE SOUTH ALONG STATE HIGHWAY 83 TO QUINCY, THENCE WEST ALONG ROADS TO SEC. 26, T. 38 N., R. 24 W., THENCE SOUTH INTO HUMANSVILLE QUADRANGLE AT SEC. 2, T. 37 N., R. 24 W., INCLUDING THAT PART OF THE LINE IN LOWRY CITY QUADRANGLE (by F. C. Lentz in 1936)*

Harper, 110 ft. NW. of NW. corner of school, 20 ft. E. of rd., in concrete post; standard tablet stamped "2 L 1936"	940.571
Reference mark, 60 ft. SE. of tablet, on NW. corner of concrete base of pump; chiseled square	940.13
Top of hill, 50 ft. N. of rd., 250 ft. E. of barn, in root on E. side of 38-in. white-oak tree; bolt	932.92
T. 38 N., R. 23 W., in sec. 7, at NE. corner of Harper's Cemetery, 30 ft. W. of rd., in root on E. side of 18-in. white-oak tree; copper nail and washer	921.67
T. 38 N., R. 23 W., in NW 1/4 sec. 17, 125 ft. SE. of SE. corner of farmhouse of R. Burton, 80 ft. NE. of rd. at curve, in root of 18-in. locust tree; copper nail and washer	956.75
T. 38 N., R. 23 W., in SW 1/4 sec. 17, 20 ft. S. and 20 ft. W. from T-rd. N., in root of 8-in. white-oak tree; copper nail and washer	951.20

*In line 6 of the Lowry City quadrangle (see Bull. 898 H, pp. 1025-1026).

	<u>Feet</u>
T. 38 N., R. 23 W., near E. sixteenth cor. between secs. 17 and 20, 16 ft. N. and 28 ft. E. from crossroad, in concrete post; standard tablet stamped "3 L 1936"	941.462
Reference mark, 55 ft. SW. of tablet, on concrete head wall of culvert; chiseled square	941.70
Quincy, 1.2 mi. N. of, 20 ft. E. of highway, 10 ft. NW. of 36-in. elm tree, on concrete head wall of culvert; chiseled square	941.06
Crossroad, on concrete head wall of culvert; chiseled square	967.58
Quincy, 0.2 mi. N. and 1 mi. W. from, at ford across Hogles Creek, 40 ft. SW. of creek, 35 ft. W. of rd., in root of 40-in. sycamore tree; copper nail and washer	883.91
T-rd. N., at base of 8-in. white-oak tree; painted mark	986.9
Quincy, about 2.5 mi. W. of, 260 ft. SE. of SE. corner of Prairie Grove School, 35 ft. S. and 200 ft. E. from T-rd. N., in root of 30-in. black-oak tree; copper nail and washer	971.57
Prairie Grove School, 0.2 mi. W. of, in sec. 25, T. 38 N., R. 24 W., in center of triangle formed by T-rd. N., in concrete post; standard tablet stamped "8 L 1936"	988.540
T. 38 N., R. 24 W., in NE 1/4 sec. 26, 25 ft. S. and 45 ft. E. from T-rd. N., in root on N. side of 38-in. gum tree; copper nail and washer	925.52
T-rd. W., in 30-in. white-oak tree; nail	846.68
T. 38 N., R. 24 W., 340 ft. E. of E. sixteenth cor. sec. 35, on property of G. W. Wheeler, 150 ft. E. of wire gate, 1 ft. E. of fence, in concrete post; standard tablet stamped "9 L 1936"	821.133
T. 37 N., R. 24 W., center of NE 1/4 sec. 2, 100 ft. W. of rd. corner, 35 ft. S. of fence, in root of 38-in. elm tree; copper nail and washer	839.20
12. FROM SEC. 13, T. 39 N., R. 23 W., SOUTH TO SEC. 27, T. 39 N., R. 23 W. (by F. C. Lentz in 1936)	
Fairfield, 2 mi. SW. of, on Bentonville-Fairfield rd., at NE. corner of bridge over Little Pomme de Terre River, on top of concrete abutment; chiseled square	688.86
Dim rd. W., on concrete head wall; chiseled square	709.34
13. FROM SEC. 13, T. 39 N., R. 23 W., SOUTHEAST TO SEC. 30, T. 39 N., R. 22 W. (by F. C. Lentz in 1936)	
T. 39 N., R. 23 W., in SW 1/4 sec. 13, 200 ft. E. of old dwelling, 25 ft. N. of rd., 10 ft. S. of gate, in root of 14-in. white-oak tree; copper nail and washer	874.93
Rd. forks on ridge, 45 ft. S. and 25 ft. W. from, in root of 6-in. walnut tree; copper nail and washer	850.97
T. 39 N., R. 22 and 23 W., near cor. secs. 19, 24, 25, and 30, about 400 ft. N. of T-rd. E., 25 ft. SW. of rd., in root of 24-in. hickory tree; copper nail and washer	722.40
14. FROM ICONIUM SOUTH TO HARPER (by F. C. Lentz in 1936)*	
Iconium, 150 ft. N. and 125 ft. W. from T-rd. W., at SW. corner of school, on SW. corner of concrete base of well; chiseled square	928.70
Iconium, near S. limits of, 54 ft. SE. of SE. corner of Liberty Missionary Baptist Church, 36 ft. E. of 16-in. oak tree, in concrete post; standard tablet stamped "T T 610 C W A 1934"	925.302
Iconium, 1 mi. SE. of, on Harper-Iconium rd., 200 ft. N. of rd. corner, 25 ft. W. of rd., in root of 14-in. white-oak tree; copper nail and washer	918.12
Harper, 1.7 mi. N. of, on Harper-Iconium rd., 50 ft. S. and 30 ft. E. from junction of rd. E., in root of twin 24-in. white-oak tree; copper nail and washer	953.45
Harper, 0.9 mi. N. of, on Harper-Iconium rd., 25 ft. S. and 15 ft. E. from junction of rd. W. and dim rd. E., in 30-in. water-oak tree; copper nail and washer	949.15
15. FROM ICONIUM NORTH TO POINT 2 MILES EAST OF FINEY (by F. C. Lentz in 1936)**	
Iconium, 0.8 mi. N. of, 15 ft. S. and 15 ft. E. from T-rd. E., on top of concrete head wall; chiseled square	938.13
T. 39 N., R. 24 W., in NE 1/4 sec. 22, 20 ft. W. of T-rd. E., in root on E. side of 12-in. white-oak tree; copper nail and washer	930.15
T. 39 N., R. 24 W., about 870 ft. W. of E. sixteenth cor. between secs. 14 and 23, 15 ft. S. of rd. corner N.-W., in concrete post; standard tablet stamped "10 L 1936"	967.604
T. 39 N., R. 24 W., in NE 1/4 sec. 14, about 200 ft. SE. of farmhouse of A. M. Smith, 5 ft. W. of rd., in root on E. side of 24-in. white-oak tree; copper nail and washer	995.94
T-rd. S., about 0.5 mi. S. of, in saddle of ridge, 250 ft. S. of S. end of double-line rd., 15 ft. W. of rd., in root on S. side of 10-in. hickory tree; copper nail and washer	960.19
T. 39 N., R. 24 W., S. sixteenth cor. between secs. 1 and 2, 15 ft. S. and 20 ft. W. from T-rd. S., in root on E. side of 10-in. black-oak tree; copper nail and washer	947.58

*In line 8 of the Lowry City quadrangle (see Bull. 898-H, pp. 1026-1027).

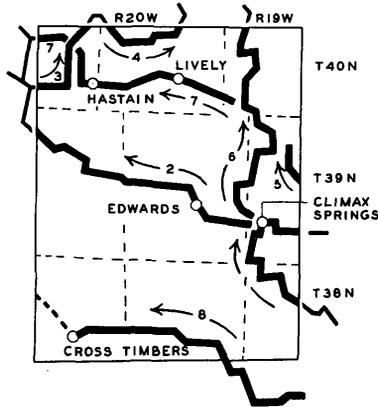
**In line 9 of the Lowry City quadrangle (see Bull. 898-H, p. 1027).

	<u>Feet</u>
Intersection of ridge trails, about 0.5 mi. S. of Osage River, in root on E. side of triangular-blazed 14-in. hickory tree; copper nail and washer	905.35
Osage River, 0.4 mi. E. (W. ?) of, 350 ft. S. of farmhouse of B. M. Smith, 24 ft. SE. of rd., in root on N. side of 14-in. elm tree; copper nail and washer	684.05
White Sulphur Springs, 0.3 mi. SW. of, on top of ridge, 28 ft. W. of rd., in root on E. side of 18-in. white-oak tree; copper nail and washer	765.77
White Sulphur Springs Camp, 582 ft. N. and 78 ft. W. from entrance to, N. quarter cor. sec. 1, T. 39 N., R. 24 W., 219 ft. E. of stake, 283 ft. E. of T-fence N. at S. cor. secs. 31 and 32, T. 40 N., R. 23 W., 2 ft. S. and 78 ft. W. from rd. at fence W., on Benton-St. Clair county line, in concrete post; standard tablet stamped "1270 E R A 1935"	682.686
White Sulphur Springs Camp, 1.2 mi. N. of, 65 ft. SW. of SW. corner of Mountain Home School, 50 ft. NW. of rd., in root on S. side of 18-in. white-oak tree; copper nail and washer	863.89
Rd. forks NE., NW., and S., in root of 10-in. hickory tree; copper nail	885.98
Finey, 2 mi. E. and 0.3 mi. S. from, 25 ft. E. of rd. at fence corner, in root of 30-in. black-oak tree; copper nail and washer	937.85
Finey, 2 mi. E. of, 120 ft. S. and 15 ft. W. from T-rd. S. to White Sulphur Springs Camp, in root of 8-in. white-oak tree; copper nail and washer	927.11

For additional level lines along U.S. Highway 65, State Highway 35, and roads, refer to United States Coast and Geodetic Survey second-order line, Linn Creek to Brownington.

CROSS TIMBERS QUADRANGLE
 (Latitude 38°00'-38°15'; longitude 93°00'-93°15')

Benton, Camden, Hickory, and Morgan Counties



1. FROM VERSAILLES NO. 3 QUADRANGLE AT SEC. 15, T. 38 N., R. 19 W., NORTHWEST TO CLIMAX SPRINGS, THENCE EAST ALONG BARNUMTON ROAD INTO VERSAILLES NO. 3 QUADRANGLE AT SEC. 22, T. 39 N., R. 19 W. (by George W. Moore in 1931)
 (Continued from Versailles No. 3 quadrangle; see line 1.)

	<u>Feet</u>
Banister, 1 mi. NW. of, 50 ft. E. of ford across Little Niangua River, in root on W. side of 15-in. ash tree; copper nail and washer	718.81
Banister, 1.4 mi. NW. of, 0.4 mi. W. of ford across Little Niangua River, NW. of crossroads, on S. bank of drain, in root on S. side of 32-in. oak tree; copper nail and washer	728.55
Banister, 2.3 mi. NW. of, S. of rd., in root on NW. side of triangular-blazed 21-in. oak tree; copper nail and washer	900.08
Banister, 3.1 mi. NW. of, along rd. to Climax Springs, 70 ft. S. 87° 30' E. (W. ?) of triangular-blazed 20-in. oak tree on N. side of rd., 81 ft. N. 57° 15' E. of triangular-blazed 20-in. oak tree on S. side of rd., 2 ft. S. of fence, in concrete post; standard tablet stamped "T Sta No 12 W 1931"	1,004.565
Reference mark, 35 ft. S. and 70 ft. W. from tablet, in root on N. side of 18-in. oak tree; copper nail and washer	998.77
Climax Springs, 4 mi. SE. of, 35 ft. N. and 80 ft. E. from rd. corner N.-W., in root on NW. side of 15-in. oak tree; copper nail and washer	992.52
Climax Springs, 3.6 mi. S. of, 90 ft. S. and 10 ft. E. from rd. corner, 8 ft. N. and 8 ft. W. from fence corner, in root on SW. side of triangular-blazed 25-in. oak tree; copper nail and washer	1,028.22
Vogel triangulation sta.; U.S.C. & G.S. standard disk designated "Vogel"	1,078.677
Reference mark 1; U.S.C. & G.S. standard reference disk	1,060.815
Reference mark 2; U.S.C. & G.S. standard reference disk	1,074.286
Climax Springs, 1.1 mi. S. of, 75 ft. S. and 20 ft. W. from T-rd. W., in root on NW. side of 15-in. oak tree; copper nail and washer	1,061.15
Climax Springs, 0.6 mi. S. of, 50 ft. N. of crossroads, E. of rd., in root on NE. side of 10-in. oak tree; copper nail and washer	1,065.25
Climax Springs, 6 ft. S. of SE. corner of school building, in concrete platform; standard tablet stamped "94 M 1931"	965.963
Reference mark 1, 285 ft. W. of tablet, on SW. corner of concrete platform; chiseled square	965.85
Reference mark 2, 44 ft. SE. of tablet, in root on NW. side of 16-in. oak tree; copper nail and washer	966.69
Climax Springs, 0.8 mi. SE. of, 17 ft. N. and 80 ft. E. from junction of rd. SE., in root on NE. side of 16-in. oak tree; copper nail and washer	1,052.18
Climax Springs, about 1.5 mi. E. of, along Barnumton Road, in NE 1/4 sec. 29, T. 39 N., R. 19 W., 71 ft. N. 47° E. of triangular-blazed 20-in. oak tree on E. side of rd., 5 1/2 ft. N. 9° 30' E. of triangular-blazed 20-in. oak tree on W. side of rd., 10 ft. N. of E.-W. fence on S. side of rd., 3 ft. W. of fence NE., in concrete post; standard tablet stamped "T Sta 13 W 1931"	1,049.175
Reference mark, 71 ft. NE. of tablet, in root on NW. side of triangular-blazed 25-in. oak tree; copper nail and washer	1,050.25
Climax Springs, 2.4 mi. E. of, 35 ft. N. of rd., in root on S. side of 23-in. oak tree; copper nail and washer	1,022.23
Climax Springs, 3.2 mi. E. of, 130 ft. E. of rd. junction, 35 ft. S. of rd., in root on N. side of twin oak tree; copper nail and washer	999.85

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

	<u>Feet</u>
2. FROM CLIMAX SPRINGS NORTHWEST ALONG EDWARDS-CLIMAX SPRINGS ROAD TO EDWARDS, THENCE NORTHWEST INTO FRISTOE QUADRANGLE AT SEC. 5, T. 39 N., R. 21 W. (by C. E. Reick in 1932)	
Climax Springs, 1 mi. NW. of, near center sec. 25, T. 39 N., R. 20 W., N. of rd., in root of 30-in. oak tree; copper nail	977.15
Climax Springs, 1.5 mi. W. of, about 0.5 mi. E. of cor. secs. 23, 24, 25, and 26, at top of hill, 15 ft. N. of rd. forks, on land of A. U. Moore, in concrete post; standard tablet stamped "T T 202 B 1932"	1,022.286
Reference mark, 350 ft. W. of tablet, on small boulder; chiseled square	1,012.02
T. 39 N., R. 20 W., in SE 1/4 sec. 22, 40 ft. SW. of junction of rd. N., in root of 24-in. oak tree; copper nail	867.48
T. 39 N., R. 20 W., about 0.2 mi. S. of center sec. 15, 25 ft. W. of rd., 8 ft. W. of SE. corner of front yard of R. H. Irvine, in concrete post; standard tablet stamped "T T 203 B 1932"	962.802
Reference mark, 230 ft. N. of tablet, in root of 12-in. oak tree; copper nail	956.74
T. 39 N., R. 20 W., in SE 1/4 sec. 10, 60 ft. SW. of junction of rd. SE., in root of 18-in. oak tree; copper nail	1,032.20
T. 39 N., R. 20 W., in SE 1/4 sec. 9, 15 ft. N. of rd. in front of dwelling, in root of 24-in. oak tree; copper nail	952.81
T. 39 N., R. 20 W., in NW 1/4 NE 1/4 sec. 17, 20 ft. S. of rd., at mail box of M. R. Ingalls, in root of 20-in. oak tree; copper nail	882.18
Deer Creek; surface of water Aug. 9, 1932	749.2
Edwards, 1 mi. E. of, near cor. secs. 7, 8, 17, and 18, T. 39 N., R. 20 W., 35 ft. S. of rd., 35 ft. N. and 55 ft. W. from NW. corner of farmhouse, in concrete post; standard tablet stamped "T T 204 B 1932"	796.935
Reference mark, 400 ft. W. of tablet, in root of 20-in. oak tree; copper nail	799.69
Edwards, 130 ft. W. of crossroads, in root of 36-in. locust tree; copper nail	771.26
Edwards, 1.5 mi. NW. of, in NE 1/4 sec. 11, T. 39 N., R. 21 W., N. of rd., in root of 18-in. oak tree; copper nail	926.50
Edwards, 1.9 mi. NW. of, near center sec. 11, T. 39 N., R. 21 W., 20 ft. N. and 20 ft. W. from junction of rd. N., 2 ft. N. and 5 ft. W. from triangular-blazed oak tree, in concrete post; standard tablet stamped "T T 205 B 1932"	947.543
Edwards, 3 mi. NW. of, in SW 1/4 sec. 3, T. 39 N., R. 21 W., at lane S., S. of rd., on boulder; chiseled square	949.77
Edwards, about 4 mi. NW. of, in SE 1/4 sec. 4, T. 39 N., R. 21 W., 20 ft. S. and 20 ft. E. from crossroad, 4 ft. S. of fence corner, in concrete post; standard tablet stamped "T T 206 B 1932"	940.654
Reference mark, 220 ft. W. of tablet, in root of 24-in. oak tree; copper nail	932.14
T. 39 N., R. 21 W., in S. part sec. 5, 0.9 mi. E. of Turkey Creek, S. of rd., in root of triangular-blazed oak tree; copper nail	917.24

(Continued in Fristoe quadrangle; see line 2.)

3. FROM FRISTOE QUADRANGLE AT SEC. 28, T. 40 N., R. 21 W., NORTHEAST INTO COLE CAMP QUADRANGLE AT SEC. 12, T. 40 N., R. 21 W. (by C. E. Reick in 1932)	
(Continued from Fristoe quadrangle; see line 3.)	
T. 40 N., R. 21 W., in SE 1/4 sec. 27, NE. of junction of lane N., in root of 24-in. oak tree; copper nail	929.59
T. 40 N., R. 21 W., in S 1/2 sec. 26, 130 ft. NE. of crossroads, in root of 20-in. oak tree; copper nail	880.91
T. 40 N., R. 21 W., 240 ft. E. of N. sixteenth cor. sec. 26, 43 ft. E. of SE. corner of Pleasant Green School, 35 ft. W. of rd., in concrete post; standard tablet stamped "T T 210 B 1932"	948.938
T. 40 N., R. 21 W., on line between secs. 14 and 23, 40 ft. SE. of rd. fork E., in root of 20-in. oak tree; copper nail	893.66
T. 40 N., R. 21 W., 0.3 mi. SE. of center sec. 14, 30 ft. NE. of rd. fork E., in root of 30-in. oak tree; copper nail	866.65

(Continued in Cole Camp quadrangle; see line 2.)

4. FROM COLE CAMP QUADRANGLE AT SEC. 7, T. 40 N., R. 20 W.. EAST BY WAY OF DUROC INTO COLE CAMP QUADRANGLE AT SEC. 9, T. 40 N., R. 20 W. (by C. E. Reick in 1932)	
(Continued in Cole Camp quadrangle; see line 2.)	
Duroc, 24 ft. S. and 34 ft. E. from rd. corner, 110 ft. NE. of store of H. R. Roberts, 8 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 212 B 1932"	695.885
Reference mark, 210 ft. N. of tablet, in root of 20-in. oak tree; spike	686.34
T. 40 N., R. 20 W., in SE 1/4 SW 1/4 sec. 9, on NE. bank of Lake of The Ozarks, about 400 ft. W. of ferry landing across lake from Duroc, 30 ft. above water level, in small projecting ledge on bluff; standard tablet stamped "T T 213 B 1932"	681.115
Reference mark, 120 ft. E. of tablet, on ledge; chiseled square	707.96

(Continued in Cole Camp quadrangle; see line 2.)

5. FROM VERSAILLES NO. 3 QUADRANGLE AT SEC. 15, T. 39 N., R. 19 W.,
NORTH TO LAKE OF THE OZARKS AT ELKINS HOLLOW (by C. P. Thompson
in 1934)

(Continued from Versailles No. 3 quadrangle; see line 8.)

Climax Springs, 1/4 mi. E. and 2.2 mi. N. from, in SW 1/4 SW 1/4 sec. 10, T. 39 N., R. 19 W., 15 ft. N. and 85 ft. E. from dwelling of Jim Crenshaw, 20 ft. E. of N.-S. rd., in root on E. side of 16-in. post-oak tree; copper nail and washer	Feet 940.98
T. 39 N., R. 19 W., in NW 1/4 NW 1/4 sec. 10, 75 ft. N. of rd. fork NE., 15 ft. W. of rd. NE., 18 ft. E. of rd. N., in root on E. side of 22-in. red-oak tree; copper nail and washer	893.88
T. 39 N., R. 19 W., in NE 1/4 sec. 4, on side of ridge, about 350 ft. S. of dwelling of John Hedge, 27 ft. W. of rd., in root of 26-in. red-oak tree; copper nail and washer	924.93
T. 39 N., R. 19 W., in NE 1/4 sec. 4, about 0.6 mi. SW. of Pearson Branch School, 10 ft. N. and 15 ft. E. from rd. forks, in root on SW. side of 24-in. red-oak tree; copper nail and washer	939.22
T. 39 N., R. 19 W., in NE 1/4 sec. 4, in Elkins Hollow, on land of Union Electric Light and Power Company, 20 ft. E. of shore line (elevation 660 ft.) of Lake of the Ozarks, in root on W. side of 12-in. white-oak tree; copper nail and washer	667.54 647.1
Lake of the Ozarks; surface of water at 7:30 a.m. July 11, 1934	

6. FROM CLIMAX SPRINGS, NORTH INTO COLE CAMP QUADRANGLE AT
SEC. 7, T. 40 N., R. 19 W. (by C. P. Thompson in 1934)

Climax Springs, 0.4 mi. W. of, 54 ft. N. and 21 ft. W. from rd. corner, in base of 9-in. elm tree; nail and washer	879.37
Climax Springs, 1 mi. NW. of, on W. head wall of concrete culvert; chiseled square	848.86
Climax Springs, 1.7 mi. NW. of, 15 ft. E. of rd., in base of 10-in. oak tree; nail and washer	841.51
Climax Springs, 2 mi. N. of, 60 ft. N. of T-rd. W., 15 ft. E. of rd., on top of flint boulder; chiseled square	797.52
Climax Springs, 2.3 mi. N. of, on W. bank of Rainy Creek, 21 ft. N. of rd., in base of 15-in. ash tree; nail and washer	762.21
Climax Springs, 2.5 mi. N. of, 130 ft. S. and 18 ft. E. from E. sixteenth cor. between secs. 12 and 13, T. 39 N., R. 20 W., 70 ft. S. of rd. fork to Edwards, 18 ft. E. of rd., 34 ft. S. and 43 ft. W. from dwell- ing of T. W. Hale, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 391 C W A 1934"	814.788
Climax Springs, 3.3 mi. N. of, 18 ft. W. of T-rd. S., 42 ft. S. of E.-W. rd., in base of 20-in. elm tree; copper nail and washer	740.12
Climax Springs, 3.8 mi. N. of, 15 ft. W. of rd., in fence line, in 12-in. walnut tree; copper nail and washer	724.30
Climax Springs, 4.5 mi. N. of, 175 ft. N. of dwelling of J. I. Waisner, 12 ft. W. of rd., in fence line, in base of 30-in. oak tree; copper nail and washer	746.94
Climax Springs, 5.1 mi. N. of, 150 ft. W. of dwelling of S. H. Dority, 20 ft. S. of rd., in base of 12-in. oak tree; nail and washer	853.84
Climax Springs, 5.3 mi. N. of, 18 ft. N. of rd. corner W.-N. and dim rd. SE., in 12-in. oak tree; nail and washer	908.46
Climax Springs, 5.4 mi. N. of, in NW 1/4 sec. 5, T. 39 N., R. 19 W., at top of hill, 15 ft. E. of rd. fork NW., 98 ft. S. of SE. corner of dwelling on land of J. I. Waisner, 40 ft. SE. of red-oak tree in fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 392 C W A 1934"	857.929
Climax Springs, 6.3 mi. N. of, 18 ft. W. of rd., in base of 12-in. sycamore tree; nail and washer	682.61
Climax Springs, 7.4 mi. N. of, 150 ft. S. of dwelling of Roy Rice, 15 ft. N. of rd., in root on S. side of 10-in. oak tree; copper nail and washer	809.20
Climax Springs, 7.7 mi. N. of, 30 ft. W. of rd. corner E.-N., 72 ft. N. of dwelling, in root of 10-in. white-oak tree; copper nail and washer	863.27
Climax Springs, 8.5 mi. N. of, at SE. corner of Cable Ridge Cemetery, 18 ft. N. of rd., in 18-in. persimmon tree; copper nail and washer	922.51
Climax Springs, 8.7 mi. N. of, 170 ft. S. of E. sixteenth cor. sec. 31, T. 40 N., R. 19 W., 15 ft. S. of junction of rd. N. to Big Bend Acres, 89 ft. NW. of dwelling of Monroe Waisner, 10 ft. NE. of fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 393 C W A 1934"	936.289
Reference mark, 69 ft. NE. of tablet, in root of 30-in. oak tree; copper nail and washer	938.84
Climax Springs, 9.7 mi. N. of, 15 ft. E. of rd., 6 ft. S. of fence, in root of 10-in. oak tree; copper nail and washer	927.05
Climax Springs, 10.5 mi. N. of, 55 ft. W. of rd., at gate in fence line, in root of 18-in. hickory tree; copper nail and washer	887.96
Sagrada, 11.6 mi. N. of Climax Springs, 49 ft. SE. of SE. corner of Sagrada Store, 10 ft. N. and 20 ft. W. from group of mail boxes, 45 ft. W. of rd., at NE. corner of orchard, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 394 C W A 1934"	887.660
Reference mark, 60 ft. E. of tablet, in root on W. side of 20-in. black- oak tree; copper nail and washer	882.91
Sagrada, 0.8 mi. NE. of store, 30 ft. S. of Lick Creek, 25 ft. E. of rd., in root of 14-in. sycamore tree; copper nail and washer	706.59
Sagrada, 1.6 mi. NW. of store, 15 ft. S. of rd., 33 ft. W. of fence, in root of 8-in. elm tree; copper nail and washer	743.47
Sagrada, 2.4 mi. NW. of store, on top of hill, near rd. forks, 35 ft. SW. of rd., in root of 24-in. oak tree; copper nail and washer.	904.98

Sagrada, 2.7 mi. NW. of, quarter cor. between secs. 7 and 18, T. 40 N., R. 19 W., 7 ft. S. and 7 ft. W. from stone, 470 ft. SW. of SE. corner of dwelling of J. M. Roark, 21 ft. E. of rd., 15 ft. N. of 24-in. red-oak tree used as fence corner, in concrete post; standard tablet stamped "T T 395 C W A 1934"
 Reference mark, 50 ft. N. of tablet, in fence line, in root on W. side of 8-in. post-oak tree; copper nail and washer

Feet
 907.764
 904.89

(Continued in Cole Camp quadrangle; see line 3.)

7. FROM SEC. 31, T. 40 N., R. 19 W., NORTHWEST BY WAY OF LIVELY AND HASTAIN INTO FRISTOE QUADRANGLE AT SEC. 16, T. 40 N., R. 21 W. (by C. P. Thompson in 1934)

T. 40 N., R. 20 W., in SE 1/4 NE 1/4 sec. 36, 72 ft. E. of dwelling of W. R. Duncan, 72 ft. S. of rd., in root on W. side of 28-in. post-oak tree; copper nail and washer 822.70

T. 40 N., R. 20 W., in SW 1/4 SE 1/4 sec. 26, 72 ft. E. of T-rd. S., 21 ft. N. of rd., in fence line, in root on N. side of 10-in. post-oak tree; copper nail and washer 710.39

Lively, in SE 1/4 NW 1/4 sec. 26, T. 40 N., R. 20 W., 20 ft. N. of rd., 58 ft. S. of door on S. side of store, in concrete post; standard tablet stamped "T T 550 C W A 1934"
 Reference mark, 40 ft. S. and 225 ft. W. from tablet, 18 ft. N. of rd., at gate in fence line, in root on N. side of 10-in. elm tree; copper nail and washer 671.080

Lively, 1 mi. W. of store, in N 1/2 sec. 27, T. 40 N., R. 20 W., on side of high, cleared hill, 21 ft. N. of rd., at gatepost, in root on N. side of 16-in. burr-oak tree; copper nail and washer 647.02

Lively, 1.9 mi. W. of, in SW 1/4 NE 1/4 sec. 28, T. 40 N., R. 20 W., on W. end of N. guard wall of concrete bridge; chiseled square 878.37

Walnut Grove School, 0.6 mi. E. of, on line between secs. 28 and 29, T. 40 N., R. 20 W., 20 ft. S. of rd., 3 ft. W. of fence corner, in root on S. side of 16-in. post-oak tree; copper nail and washer 696.23

Hastain, 0.9 mi. NE. of, 0.2 mi. S. of center sec. 29, T. 40 N., R. 20 W., 48 ft. S. and 36 ft. E. from SE. corner of Walnut Grove School, 16 ft. W. of rd., in concrete post; standard tablet stamped "T T 551 C W A 1934"
 Reference mark, 24 ft. S. and 6 ft. W. from tablet, in root on N. side of 8-in. black-oak tree; copper nail and washer 896.77

Hastain, 192 ft. E. of T-rd. NW., 110 ft. W. of farmhouse, on W. end of N. head wall of concrete culvert; chiseled square 848.740

Hastain, 1.1 mi. W. of, in NE 1/4 NE 1/4 sec. 36, T. 40 N., R. 21 W., 330 ft. SW. of dwelling of E. D. Place, 24 ft. S. of rd., in fence line, in root on N. side of 20-in. oak tree; copper nail and washer 847.44

Hastain, 2.2 mi. W. of, in SE 1/4 SE 1/4 sec. 26, T. 40 N., R. 21 W., on top of hill, 20 ft. S. of rd., in root on N. side of 26-in. post-oak tree; copper nail and washer 695.96

Hastain, 2.7 mi. W. of, 410 ft. N. of quarter cor. between secs. 26 and 35, T. 40 N., R. 21 W., 37 ft. E. of crossroads, in concrete post; standard tablet stamped "T T 552 C W A 1934"
 Reference mark, 65 ft. N. and 20 ft. E. from tablet, in root on NW. side of 6-in. post-oak tree; copper nail and washer 877.976

T. 40 N., R. 21 W., 240 ft. E. of N. sixteenth cor. sec. 26, 43 ft. E. of SE. corner of Pleasant Green School, 35 ft. W. of rd., in concrete post; standard tablet stamped "T T 210 B 1932"
 Reference mark, 36 ft. W. of tablet, on SE. corner of concrete porch of school; chiseled square 882.56

T. 40 N., R. 21 W., in NE 1/4 SE 1/4 sec. 15, 150 ft. W. of old Duroc-Warsaw rd. at crossing of Spring Creek, 18 ft. N. of rd., in root on W. side of 18-in. elm tree; copper nail and washer 948.938

T. 40 N., R. 21 W., in NE 1/4 SE 1/4 sec. 16, 10 ft. N. of old Duroc-Warsaw rd., at small bridge, in root on SW. side of 16-in. chinquapin tree; copper nail and washer 949.21

684.72

707.93

(Continued in Fristoe quadrangle; see line 4.)

8. FROM MACKS CREEK QUADRANGLE AT SEC. 10, T. 37 N., R. 19 W., WEST ALONG HICKORY GROVE ROAD TO SEC. 7, T. 37 N., R. 19 W., THENCE NORTH TO TURNERS FORD, THENCE WEST ALONG JORDAN ROAD TO CROSS TIMBERS, INCLUDING THAT PART OF THE LINE IN URBANA QUADRANGLE (by C. P. Thompson in 1934) *

Macks Creek, 3.6 mi. W. of, near quarter cor. between secs. 9 and 10, T. 37 N., R. 19 W., 15 ft. E. of rd., in fence line, in root on S. side of 14-in. walnut tree; copper nail and washer 812.98

Macks Creek, 4 mi. W. of, E. sixteenth cor. sec. 9, T. 37 N., R. 19 W., 150 ft. S. of dwelling of J. B. Rash, 35 ft. S. of rd., 20 ft. E. of garage, in root on NE. side of 16-in. oak tree; copper nail and washer 916.49

Macks Creek, 5 mi. W. of, near quarter cor. between secs. 8 and 9, T. 37 N., R. 19 W., 70 ft. SW. of SW. corner of Hickory Grove School, in root on NW. side of 20-in. white-oak tree; copper nail and washer 991.14

Macks Creek, 6 mi. W. of, 340 ft. N. and 30 ft. E. from S. sixteenth cor. between secs. 7 and 8, T. 37 N., R. 19 W., 60 ft. NW. of crossroads, 33 ft. N. of rd. W., 460 ft. NW. of dwelling of James Andrews, 3 ft. S. and 15 ft. W. from fence corner on land owned by heirs of Frank Pope, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "512 C W A 1934"
 Reference mark, 90 ft. NE. of tablet, in root on W. side of 22-in. white-oak tree; copper nail and washer 1,039.810

1,039.58

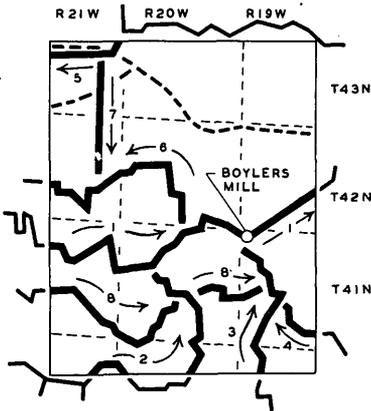
*Line 5 of Urbana quadrangle includes a portion of this line (see Bull. 898-E, pp. 732-733).

	<u>Feet</u>
Macks Creek, 6.7 mi. W. of, in NE 1/4 sec. 7, T. 37 N., R. 19 W., 84 ft. N. of rd. forks, 21 ft. W. of rd. NE., 15 ft. E. of rd. NW., in root on E. side of 12-in. white-oak tree; copper nail and washer	1,043.87
Macks Creek, 7.6 mi. W. of, in SW 1/4 sec. 6, T. 37 N., R. 19 W., 24 ft. E. of crossroads, in root on SW. side of 16-in. hickory tree; copper nail and washer	999.34
Macks Creek, 8.4 mi. W. of, 10 ft. N. and 10 ft. E. from W. sixteenth cor. on S. line sec. 31, T. 38 N., R. 19 W., 10 ft. E. of rd. N., 10 ft. N. of rd. E., in root on E. side of 24-in. oak tree; copper nail and washer	957.34
Macks Creek, 8.9 mi. W. of, about 750 ft. S. of quarter cor. between secs. 31 and 36, T. 38 N., Rs. 19 and 20 W., 2.5 mi. SE. of Turners ford, on Camden-Hickory county line, 12 ft. S. of rd., near 3 mail boxes, in root on N. side of 24-in. white-oak tree; copper nail and washer	975.73
Macks Creek, 9.7 mi. W. of, near W. sixteenth cor. sec. 36, T. 38 N., R. 20 W., 1.8 mi. SE. of Turners ford, 10 ft. NE. of crossroads, on limestone ledge; chiseled square	822.30
Cross Timbers, 10.2 mi. E. of, 1.2 mi. SE. of Turners ford, 104 ft. N. and 13 ft. E. from stone at center of NW 1/4 sec. 36, T. 38 N., R. 20 W., on top of hill, on land owned by D. F. Phillips, 15 ft. E. of rd., 1 ft. W. of N.-S. fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "513 C W A 1934"	926.160
Reference mark, 25 ft. NE. of tablet, in root on W. side of 6-in. white-oak tree; copper nail and washer	926.83
Cross Timbers, 9.6 mi. E. of, 40 ft. W. of cor. secs. 25, 26, 35, and 36, T. 38 N., R. 20 W., 0.6 mi. SE. of Turners ford, at top of hill, on land owned by D. E. Phillips, 45 ft. SW. of rd. corner, in root on N. side of 24-in. white-oak tree; copper nail and washer	881.56
Cross Timbers, 9 mi. E. of, in NW 1/4 sec. 25, T. 38 N., R. 20 W., 290 ft. SE. of Turners ford, on land owned by G. W. Pennell, 21 ft. N. of rd., 3 ft. N. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "19 J 1934"	761.908
Reference mark, 35 ft. W. of tablet, in fence line, in trunk of 10-in. sycamore tree; copper nail and washer	764.55
Cross Timbers, 7.4 mi. E. of, 10 ft. W. of N. sixteenth cor. between secs. 26 and 27, T. 38 N., R. 20 W., 20 ft. S. of rd., 30 ft. S. and 10 ft. W. from fence corner, in root on N. side of 20-in. white-oak tree; copper nail and washer	934.09
Cross Timbers, 6.9 mi. E. of, in NW 1/4 sec. 27, T. 38 N., R. 20 W., 90 ft. E. of rd. junction, 12 ft. S. of rd., in root on N. side of 24-in. black-oak tree; copper nail and washer	937.40
Cross Timbers, 6.8 mi. E. of, near center of NW 1/4 sec. 27, T. 38 N., R. 20 W., on land owned by John Olson, 21 ft. S. of rd., 18 ft. N. of fence corner, 4 ft. NW. of blazed 10-in. post-oak tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "514 C W A 1934"	935.804
Reference mark, 6 ft. SE. of tablet, in root on S. side of 12-in. oak tree; copper nail and washer	935.57
Cross Timbers, 6.4 mi. E. of, in NE 1/4 sec. 28, T. 38 N., R. 20 W., on land owned by John Olson, 45 ft. SE. of junction of rd. N., 15 ft. S. of rd., in hollow, in root on N. side of twin 8-in. elm tree; copper nail and washer	868.18
Cross Timbers, 5.6 mi. E. of, 0.3 mi. E. of Jordan, 35 ft. N. of W. sixteenth cor. between secs. 21 and 28, T. 38 N., R. 20 W., 25 ft. S. of E.-W. rd., 8 ft. W. of N.-S. private rd., in root on N. side of 14-in. oak tree; copper nail and washer	938.97
Cross Timbers, about 5.1 mi. E. of, 0.2 mi. NW. of Jordan, in SE 1/4 sec. 20, T. 38 N., R. 20 W., 56 ft. NW. of NW. corner of Jordan School, 36 ft. NW. of rd., at spring, in natural limestone boulder; standard tablet stamped "18 J 1934"	851.996
Reference mark, 80 ft. SW. of tablet, at fence corner, in root on S. side of 20-in. elm tree; copper nail and washer	842.26
Cross Timbers, 4.2 mi. E. of, in sec. 20, T. 38 N., R. 20 W., 12 ft. S. and 10 ft. W. from junction of rd. N., in fence corner, in root on E. side of 12-in. oak tree; copper nail and washer	981.78
Cross Timbers, 3.5 mi. E. of, about 1,000 ft. N. of quarter cor. between secs. 19 and 30, T. 38 N., R. 20 W., 350 ft. E. of dwelling of Louis Miller, 15 ft. S. of rd., in root on S. side of 22-in. red-oak tree; copper nail and washer	1,044.99
Cross Timbers, 3 mi. E. of, about 1,000 ft. N. of SW. cor. sec. 19, T. 38 N., R. 20 W., 20 ft. N. of rd., in root on S. side of 10-in. post-oak tree; copper nail and washer	1,003.38
Cross Timbers, 1.8 mi. E. of, near S. sixteenth cor. between secs. 23 and 24, T. 38 N., R. 21 W., 20 ft. N. of rd., 22 ft. E. of hedge fence, 3 ft. N. of fence, in concrete post; standard tablet stamped "17 J 1934"	1,039.814
Cross Timbers, 0.8 mi. E. of, S. sixteenth cor. between secs. 22 and 23, T. 38 N., R. 21 W., 20 ft. N. of crossroads, 10 ft. E. of N.-S. rd., on head wall of concrete culvert; chiseled square	1,012.94
Cross Timbers, 30 ft. S. of E.-W. rd., 30 ft. E. of street, 12 ft. W. of NW. corner of Methodist Church, on concrete porch; chiseled square	1,032.99
Cross Timbers, in front of school gymnasium, 70 ft. S. and 170 ft. E. from street intersection, 15 ft. S. of small barn, in 36-in. silver-maple tree; nail and washer	1,016.67
U.S.C. & G.S. standard disk stamped "J 15 1934"	1,029.352
Cross Timbers, 0.2 mi. S. of, in NW 1/4 sec. 27, T. 38 N., R. 21 W., between old and new U.S. Highway 65, on side of small ravine, in 10-in. cedar tree; nail	1,017.10

For an additional level line along U.S. Highway 65, refer to United States Coast and Geodetic Survey second-order line, Linn Creek to Brownington.

COLE CAMP QUADRANGLE
(Latitude 38°15'-38°30'; longitude 93°00'-93°15')

Benton, Camden, and Morgan Counties



1. FROM LINCOLN QUADRANGLE AT SEC. 9, T. 41 N., R. 21 W., EAST THROUGH BOYLERS MILL INTO GRAVOIS MILLS QUADRANGLE AT SEC. 27, T. 42 N., R. 19 W. (by C. E. Reick in 1932)
(Continued from Lincoln quadrangle; see line 1.)

	<u>Feet</u>
T. 41 N., R. 21 W., in SW 1/4 SW 1/4 sec. 10, 22 ft. S. and 35 ft. W. from T-rd. N., 0.2 mi. W. of Cole Camp Creek, in concrete post; standard tablet stamped "T T 221 B 1932"	714.018
Bridge over Cole Camp Creek; surface of floor	702.6
T. 41 N., R. 21 W., in SE 1/4 sec. 10, 30 ft. S. of crossroads, in root of 20-in. oak tree; copper nail	859.64
T. 41 N., R. 21 W., near center sec. 11, 40 ft. E. of Lutjen School, 30 ft. N. of rd., on well curb; chiseled square	893.20
T. 41 N., R. 21 W., in NE 1/4 NW 1/4 sec. 12, 1.5 mi. SW. of Mount Hulda, 30 ft. SE. of rd. fork S., in root of 18-in. oak tree; spike	952.94
T. 41 N., R. 21 W., in SE 1/4 NW 1/4 sec. 13, 220 ft. N. of crossing of Ross Creek, 17 ft. E. of rd., 17 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 222 B 1932"	754.403
Reference mark, 590 ft. NE. of tablet, in root of 30-in. oak tree; copper nail	757.77
T. 41 N., R. 20 W., in SW 1/4 NE 1/4 sec. 18, 30 ft. SW. of junction of trail SE., in root of 24-in. oak tree; copper nail	856.50
Ross School, 0.2 mi. SW. of, in SW 1/4 sec. 8, T. 41 N., R. 20 W., N. of rd., in root of 18-in. oak tree; spike	987.13
T. 41 N., R. 20 W., in NW 1/4 SE 1/4 sec. 8, 510 ft. E. of Ross School, 22 ft. S. and 15 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 223 B 1932"	967.540
T. 41 N., R. 20 W., in SW 1/4 sec. 4, N. of rd., in root of 24-in. oak tree; spike	1,006.55
T. 41 N., R. 20 W., on line between secs. 3 and 4, 50 ft. NE. of rd. fork N., in root of 18-in. oak tree; copper nail	1,045.15
T. 41 N., R. 20 W., in NE 1/4 NE 1/4 sec. 3, 27 ft. N. and 15 ft. W. from NW. corner of dwelling of Henry J. Metasher, 15 ft. S. of rd., in concrete post; standard tablet stamped "T T 225 B 1932"	1,068.457
T. 42 N., R. 20 W., in SW 1/4 sec. 35, 2.5 mi. NW. of Boylers Mill, 30 ft. NW. of rd. fork NE., in root of 24-in. oak tree; copper nail	1,079.29
T. 41 N., R. 20 W., in NW 1/4 sec. 1, 1 mi. NW. of Boylers Mill, N. of rd., in root of 24-in. hickory tree; copper nail	1,009.76
T. 41 N., R. 19 W., in NE 1/4 NW 1/4 sec. 7, near Boylers Mill, 18 ft. S. and 45 ft. E. from crossroads, 25 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 226 B 1932"	759.684
Reference mark, 210 ft. E. of tablet, in root of 20-in. oak tree; copper nail	769.63
T. 41 N., R. 19 W., in NW 1/4 SW 1/4 sec. 5, 1.5 mi. NE. of Boylers Mill, S. of rd., in root of 30-in. sycamore tree; copper nail	808.90
T. 42 N., R. 19 W., in SW 1/4 NE 1/4 sec. 33, 33 ft. S. of rd. at junction of lane to farmhouse of Charles B. Rapp, in concrete post; standard tablet stamped "T T 227 B 1932"	844.129
T. 42 N., R. 19 W., in NW 1/4 NW 1/4 sec. 34, S. of rd., on head wall of culvert; chiseled square	904.14
Center of bridge	955.5
T. 42 N., R. 19 W., near center sec. 27, in triangle at rd. forks, in root of 20-in. oak tree; copper nail	1,145.63

(Continued in Gravois Mills quadrangle; see line 2.)

2. FROM CROSS TIMBERS QUADRANGLE AT SEC. 12, T. 40 N., R. 21 W., EAST AND NORTH TO SEC. 6, T. 41 N., R. 20 W. (by C. E. Reick in 1932)

(Continued from Cross Timbers quadrangle; see line 3.)

T. 40 N., R. 21 W., in SW 1/4 SW 1/4 sec. 12, about 4 mi. W. of Duroc, 15 ft. N. of lane E. to dwelling of F. F. Allen, 25 ft. E. of rd., in concrete post; standard tablet stamped "T T 211 B 1932"	<u>Feet</u> 833.196
Reference mark, 90 ft. NW. of tablet, in root of 24-in. oak tree; copper nail	832.94
Lake of the Ozarks; surface of water at 12 noon Aug. 16, 1932	656.5
(For balance in Cross Timbers quadrangle, see line 4.)	
T. 40 N., R. 20 W., in NE 1/4 sec. 9, 70 ft. SW. of rd. forks, in root of 18-in. oak tree; copper nail	857.67
T. 41 N., R. 20 W., in NW 1/4 sec. 3, E. of rd., in root of 24-in. oak tree; copper nail	883.32
T. 41 N., R. 20 W., in NE 1/4 NW 1/4 sec. 34, 135 ft. S. of dwelling of C. C. Birch (formerly known as Kansas City Church), 20 ft. E. of rd., in concrete post; standard tablet stamped "T T 224 B 1932"	914.676
T. 41 N., R. 20 W., in NW 1/4 sec. 27, 80 ft. SE. of rd. fork E., in root of 24-in. oak tree; copper nail	953.60
T. 41 N., R. 20 W., in N 1/2 sec. 21, NE. of rd., in root of 18-in. oak tree; spike	996.62
Ross triangulation sta.; U.S.C. & G.S. standard disk designated "Ross"	(elev. not found)
Reference mark 1, U.S.C. & G.S. standard reference disk	1,022.669

3. FROM CROSS TIMBERS QUADRANGLE AT SEC. 7, T. 40 N., R. 19 W., NORTH TO SEC. 7, T. 41 N., R. 19 W. (by C. P. Thompson in 1934)

(Continued from Cross Timbers quadrangle; see line 6.)

Big Bend Acres Store, 1.2 mi. S. of, near E. sixteenth cor. sec. 7, T. 40 N., R. 19 W., 20 ft. E. of rd., in root of 12-in. hickory tree; copper nail and washer	889.81
Big Bend Acres Store, 0.6 mi. S. of, 18 ft. N. of line between secs. 6 and 7, T. 40 N., R. 19 W., in Thompson's Happy Hill Subdivision, 45 ft. W. of rd., in root of 20-in. red-oak tree; copper nail and washer	857.40
T. 40 N., R. 19 W., in SE 1/4 NE 1/4 sec. 6, about 0.4 mi. SW. of S. landing of Sagrada Ferry, at top of hill, 420 ft. NE. of Bush and Knickerbocker store in Big Bend Acres, 18 ft. SE. of rd., 33 ft. NW. of NW. corner of dwelling of C. M. Edmonds, in concrete post; standard tablet stamped "T T 396 C W A 1934"	798.846
Reference mark, 55 ft. N. 70° E. of tablet, in root of 20-in. black-oak tree; copper nail and washer	795.58
T. 40 N., R. 19 W., in NW 1/4 sec. 5, near ferry landing, 60 ft. S. of shore line of lake, 16 ft. S. of rd., in root of 20-in. red-oak tree; copper nail and washer	663.61
T. 41 N., R. 19 W., in SE 1/4 sec. 31, near ferry landing, 60 ft. N. of shore line of lake, 50 ft. S. of rd., in root of lone 16-in. walnut tree; copper nail and washer	680.93
T. 41 N., R. 19 W., in SW 1/4 NW 1/4 sec. 32, about 0.8 mi. NW. of N. landing of Sagrada Ferry, 283 ft. E. of dwelling of George R. Bates, 22 ft. E. of rd., 80 ft. N. of fence, in concrete post; standard tablet stamped "T T 397 C W A 1934"	944.016
Reference mark, 40 ft. N. of tablet, in root on W. side of twin 8-in. white-oak tree; copper nail and washer	942.86
T. 41 N., R. 19 W., in SW 1/4 sec. 29, 106 ft. NE. of Riverview School, 30 ft. W. of rd., in root of 10-in. white-oak tree; copper nail and washer	936.14
T. 41 N., R. 19 W., near line between secs. 20 and 29, 36 ft. S. (?) of sec. line, 20 ft. W. of rd., in root of 12-in. red-oak tree; copper nail and washer	990.24
T. 41 N., R. 19 W., 675 ft. E. of quarter cor. between secs. 20 and 21, 36 ft. SE. of crossroads, 21 ft. S. of E.-W. rd., in root of 6-in. elm tree; copper nail and washer	1,013.19
T. 41 N., R. 19 W., 333 ft. N. and 2 ft. W. from quarter cor. between secs. 17 and 20, 0.2 mi. SE. of Minnow Branch, 1,000 ft. SE. of dwelling of J. A. Cowell, 78 ft. S. of rd., 33 ft. S. of fence corner, 2 ft. W. of fence, 25 ft. SW. of 24-in. red-oak tree, in concrete post; standard tablet stamped "T T 398 C W A 1934"	920.138
Reference mark, 72 ft. N. of tablet, in root on W. side of 20-in. red-oak tree; copper nail and washer	914.06
T. 41 N., R. 19 W., in SW 1/4 sec. 17, 150 ft. N. of Minnow Branch, 50 ft. N. and 20 ft. E. from crossroads, in root of 20-in. white-oak tree; copper nail and washer	788.26
T. 41 N., R. 19 W., in NW 1/4 NW 1/4 sec. 17, about 0.3 mi. SE. of Minnow Branch School, at top of high hill, on land of Lee Braden, 20 ft. W. of rd., in concrete post; standard tablet stamped "T T 399 C W A 1934"	1,031.059
Reference mark, 250 ft. NW. of tablet, in fence line, in root on W. side of 12-in. walnut tree; copper nail and washer	1,021.79
T. 41 N., R. 19 W., in SW 1/4 sec. 8, 10 ft. S. and 36 ft. E. from SE. corner of Minnow Branch School, 78 ft. N. of rd., in root of 22-in. white-oak tree; copper nail and washer	975.25

4. FROM GRAVOIS MILLS QUADRANGLE AT SEC. 35, T. 41 N., R. 19 W.,
NORTHWEST TO SEC. 21, T. 41 N., R. 19 W. (by C. P. Thompson in
1934)

(Continued from Gravois Mills quadrangle; see line 8.)

	<u>Feet</u>
T. 41 N., R. 19 W., 44 1/2 ft. W. of stone at center of NW 1/4 sec. 35, 25 ft. S. and 25 ft. W. from T-rd. S. at Little Buffalo Store, in concrete post; standard tablet stamped "T T 549 C W A 1934"	696.971
Reference mark, 10 ft. S. and 51 ft. E. from tablet, in root on SW. side of 8-in. walnut tree; copper nail and washer	697.38
T. 41 N., R. 19 W., near center of NW 1/4 sec. 34, 1 mi. W. of Little Buffalo Store, 36 ft. S. and 12 ft. E. from rd. corner E.-S., in NW corner of barnlot of Athel Taylor, in root on N. side of 22-in. walnut tree; copper nail and washer	675.20
T. 41 N., R. 19 W., quarter cor. between secs. 28 and 33, 22 ft. W. of N.-S. rd., 18 ft. S. and 10 ft. E. from fence corner, in fence line, in root on SW. side of 22-in. white-oak tree; copper nail and washer	867.95
T. 41 N., R. 19 W., near quarter cor. between secs. 21 and 28, about 70 ft. N. of sec. line, 2 1/4 ft. E. of N.-S. rd., in root on NW. side of 22-in. red-oak tree; copper nail and washer	998.54

5. FROM SMITHTON QUADRANGLE AT SEC. 13, T. 43 N., R. 21 W., WEST
INTO LINCOLN QUADRANGLE AT SEC. 16, T. 43 N., R. 21 W.
(by C. P. Thompson in 1934)

(Continued from Smithton quadrangle; see line 1.)

Schnackenburg triangulation sta.; U.S.C. & G.S. standard disk stamped "Schnackenburg 1882"	1,088.406
Reference mark 2; U.S.C. & G.S. standard reference disk	1,082.925
T. 43 N., R. 21 W., near E. sixteenth cor. sec. 14, 17 ft. S. and 20 ft. E. from Missouri Pacific R.R. at rd. crossing, in concrete post; standard tablet stamped "1553 C W A 1934"	1,070.990
Reference mark, 32 ft. N. and 255 ft. W. from tablet, 9 ft. N. and 180 ft. E. from T-rd., on E. end of N. head wall of concrete culvert; chiseled square	1,066.20
T. 43 N., R. 21 W., near quarter cor. between secs. 14 and 15, 12 ft. S. and 18 ft. W. from crossroads, on E. end of concrete culvert; chiseled square	1,035.04
T. 43 N., R. 21 W., 9 ft. N. and 16 ft. E. from E. sixteenth cor. sec. 16, 0.4 mi. E. of St. John's Lutheran Church, on E. end of N. head wall of concrete culvert; chiseled square	1,022.90

(Continued in Lincoln quadrangle; see line 3.)

6. FROM SEC. 3, T. 41 N., R. 20 W., NORTH AND WEST INTO LIN-
COLN QUADRANGLE AT SEC. 28, T. 42 N., R. 21 W. (by Cornish
Beck and C. P. Thompson in 1934)

T. 42 N., R. 20 W., quarter cor. between secs. 33 and 34, 18 ft. E. of N.-S. rd., at gatepost, in root on W. side of 18-in. post-oak tree; copper nail and washer	996.64
T. 42 N., R. 20 W., quarter cor. between secs. 28 and 33, 35 ft. W. of rd. corner, 12 ft. W. of fence, in field, in concrete post; standard tablet stamped "T T 564 C W A 1934"	972.408
Reference mark, 9 ft. S. and 9 ft. W. from tablet, in root on NW. side of 10-in. post-oak tree; copper nail and washer	972.50
T. 42 N., R. 20 W., 230 ft. S. and 10 ft. E. from approximate quarter cor. between secs. 21 and 28, on center of E. head wall of concrete culvert; chiseled square	956.38
T. 42 N., R. 20 W., W. sixteenth cor. between secs. 16 and 21, 36 ft. S. and 24 ft. E. from T-rd. W., in fence corner, in root on NW. side of 18-in. black-oak tree; copper nail and washer	1,026.18
T. 42 N., R. 20 W., near quarter cor. between secs. 17 and 20, 30 ft. N. and 50 ft. E. from crossroads, 30 ft. S. of school, in concrete post; standard tablet stamped "T T 565 C W A 1934"	1,027.879
Reference mark, 3 ft. N. and 10 ft. E. from tablet, in root on S. side of 24-in. oak tree; copper nail and washer	1,027.17
Cole Camp, 3.5 mi. S. and 2 mi. E. from, near quarter cor. between secs. 19 and 20, T. 42 N., R. 20 W., 39 ft. N. and 13 ft. E. from rd. forks, at mail box of C. C. Waters, in root on W. side of 16-in. black-oak tree; copper nail and washer	1,041.10
Cole Camp, 4.2 mi. S. and 1 mi. E. from, in NW 1/4 sec. 30, T. 42 N., R. 20 W., 45 ft. E. of rd. forks, 10 ft. S. of rd., in root on N. side of 20-in. post-oak tree; copper nail and washer	972.29
T. 42 N., R. 21 W., in NW 1/4 SW 1/4 sec. 25, about 4.8 mi. S. of Cole Camp, 40 ft. E. of Cole Camp-Edmonson rd., 12 ft. W. of private rd. NE.-SW., 115 ft. N. of private rd. E., on land owned by George Kreisel, in concrete post; standard tablet stamped "T T 566 C W A 1934"	937.644
Reference mark, 8 ft. W. of tablet, in root on E. side of 8-in. post-oak tree; copper nail and washer	937.31
T. 42 N., R. 21 W., near center of NE 1/4 sec. 35, on land owned by E. J. Kreisel, 40 ft. N. and 35 ft. E. from T-rd. SE., in root on S. side of 14-in. white-oak tree; copper nail and washer	819.54
T. 42 N., R. 21 W., in SW. cor. sec. 26, about 0.2 mi. SE. of farmhouse of Herman Schumaker, 12 ft. S. of NW.-SE. rd., in root on N. side of 30-in. elm tree; copper nail and washer	749.07
T. 42 N., R. 21 W., near center of SE 1/4 sec. 27, 21 ft. W. of rd. corner NE.-SE. and private rd. NW.-SW., on SE. corner of N. head wall of concrete bridge; chiseled square	766.01

T. 42 N., R. 21 W., in NE 1/4 SW 1/4 sec. 28, 0.2 mi. SW. of dwelling of Moritz Schumaker, 18 ft. W. of private rd. at curve, 6 ft. E. of fence, in concrete post; standard tablet stamped "T T 567 C W A 1934" Feet
743.851
Reference mark, 300 ft. N. and 60 ft. W. from tablet, in root on SW. side of 30-in. elm tree; copper nail and washer 745.90

(Continued in Lincoln quadrangle; see line 5.)

7. FROM SEC. 14, T. 43 N., R. 21 W., SOUTH TO SEC. 25, T. 42 N., R. 21 W. (by Cornish Beck in 1934)

Cole Camp, 2 mi. N. of, quarter cor. between secs. 23 and 24, T. 43 N., R. 21 W., about 135 ft. N. and 25 ft. W. from rd. corner, at driveway to farmhouse, on center of W. head wall of culvert; chiseled square 1,064.44
Cole Camp, about 0.7 mi. N. of, N. sixteenth cor. between secs. 25 and 26, T. 43 N., R. 21 W., 185 ft. S. and 25 ft. W. from T-rd. W., 1 ft. E. of cemetery fence, in concrete post; standard tablet stamped "T T 656 C W A 1934" 1,053.561
Cole Camp, 45 ft. S. and 40 ft. W. from SW. corner of Missouri Pacific R.R. sta., on center of head wall of concrete culvert; chiseled square 1,017.48
Cole Camp, at S. edge of, in NE 1/4 sec. 2, T. 42 N., R. 21 W., at foot of first hill on rd. S., 12 ft. S. of rd., on head wall of concrete culvert; chiseled square 964.96
Cole Camp, 1.6 mi. S. of, near line between secs. 1 and 2 (?), T. 42 N., R. 21 W., 30 ft. E. of junction of dim rd. E., at gatepost, in root on W. side of 16-in. post-oak tree; copper nail and washer 1,037.91
T. 42 N., R. 21 W., quarter cor. between secs. 11 and 12, 44 ft. S. and 24 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 657 C W A 1934" 923.153
Cole Camp, 3.7 mi. S. of, in SE 1/4 sec. 14, T. 42 N., R. 21 W., at top of hill, 6 ft. S. and 30 ft. E. from crossroads, in root on W. side of 24-in. white-oak tree; copper nail and washer 1,003.34
Cole Camp, 4.8 mi. S. of, in SE 1/4 sec. 23, T. 42 N., R. 21 W., 75 ft. SE. of T-rd. NE. to dwelling of Alonzo Downs, 25 ft. E. of rd., in root on W. side of twin 16-in. white-oak tree; copper nail and washer 957.57

8. FROM LINCOLN QUADRANGLE AT SEC. 28, T. 41 N., R. 21 W., EAST TO SEC. 17, T. 41 N., R. 19 W. (by C. T. Shepherd in 1935)

(Continued in Lincoln quadrangle; see line 11.)

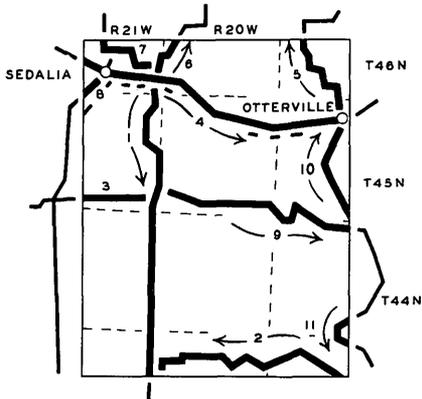
Edmonson, about 0.7 mi. W. of, along Edmonson-Warsaw rd., in NE 1/4 NW 1/4 sec. 27, T. 41 N., R. 21 W., 20 ft. S. of S. bank of Cole Camp Creek, 12 ft. S. of rd., 5 ft. SE. of fence corner, in concrete post; standard tablet stamped "T T 556 C W A 1934" 700.853
Edmonson, in SE 1/4 sec. 22, T. 41 N., R. 21 W., 120 ft. N. of crossroads, 18 ft. W. of NW. corner of store, on center of E. head wall of concrete culvert; chiseled square 762.26
Edmonson, 0.8 mi. SE. of, near N. sixteenth cor. sec. 26, T. 41 N., R. 21 W., 25 ft. N. of T-rd. S., in root on S. side of 12-in. oak tree; copper nail and washer 761.04
Edmonson, 1.2 mi. SE. of, near E. sixteenth cor. sec. 26, T. 41 N., R. 21 W., 10 ft. N. of rd. forks, in root on N. side of 24-in. oak tree; copper nail and washer 906.16
Edmonson, 2 mi. SE. of, near N. sixteenth cor. between secs. 35 and 36, T. 41 N., R. 21 W., at low-water bridge, on NW. angle of concrete floor; chiseled square 689.48
T. 41 N., R. 21 W., in NW 1/4 SE 1/4 sec. 36; at top of hill, 20 ft. S. of rd., 11 ft. NW. of triangular-blazed 10-in. post-oak tree, in concrete post; standard tablet stamped "1265 E R A 1935" 912.794
T. 41 N., R. 20 W., in NW 1/4 SW 1/4 sec. 31, 21 ft. NW. of rd. forks, in root on S. side of 24-in. oak tree; copper nail and washer 915.02
T. 40 N., R. 20 W., in NW 1/4 NE 1/4 sec. 6, 75 ft. S. of rd. forks, in root on E. side of 24-in. oak tree; copper nail and washer 893.20
T. 40 N., R. 20 W., in SE 1/4 NE 1/4 sec. 5, 285 ft. N. of bridge over Flat Rock Creek, 40 ft. W. of rd. fork W., 345 ft. N. of rd. fork SE., 63 ft. N. and 63 ft. W. from NW. corner of log dwelling of W. T. Hagstod, in concrete post; standard tablet stamped "1267 E R A 1935" 707.838
T. 41 N., R. 20 W., near center sec. 33, 100 ft. S. of entrance to saw-mill, 20 ft. E. of rd., in root on W. side of 12-in. oak tree; copper nail and washer 848.99
T. 41 N., R. 20 W., in SE 1/4 NW 1/4 sec. 28, 15 ft. W. of rd., in root on E. side of triangular-blazed 24-in. oak tree; copper nail and washer 945.89
T. 41 N., R. 20 W., in SW 1/4 SE 1/4 sec. 21, 60 ft. W. of rd. forks, at fence corner, in root on N. side of 18-in. oak tree; copper nail and washer 974.37
T. 41 N., R. 20 W., in NE 1/4 SE 1/4 sec. 22, on E. head wall of concrete culvert; chiseled square 751.10
T. 41 N., R. 20 W., in NE 1/4 NW 1/4 sec. 23, 200 ft. E. of ford across Archer Creek, 100 ft. W. of T-rd. W., S. of rd., in root on N. side of 10-in. hickory tree; copper nail and washer 698.24
T. 41 N., R. 20 W., about 0.1 mi. W. of cor. secs. 13, 14, 23, and 24, 15 ft. E. of T-rd. W., in root on W. side of 36-in. oak tree; copper nail and washer 716.88
T. 41 N., R. 20 W., in NE 1/4 NE 1/4 sec. 26, 54 ft. S. of rd. forks SE., SW., and NW., 78 ft. N. and 83 ft. E. from center of N. end of low-water bridge over Big Buffalo Creek, 5 ft. S. of triangular-blazed 10-in. sycamore tree, in concrete post; standard tablet stamped "T T 1268 E R A 1935" 668.574

T. 41 N., R. 20 W., in SE 1/4 SE 1/4 sec. 24, at Benton-Morgan county line, 300 ft. E. of crossing of small creek, 15 ft. N. of rd., in root on S. side of 24-in. oak tree; copper nail and washer	<u>Feet</u> 741.94
T. 41 N., R. 19 W., in SW 1/4 NE 1/4 sec. 19, 50 ft. S. of rd. on N. bank of Minnow Branch, 250 ft. W. of dwelling of J. M. Hames, in root on N. side of 24-in. box-elder tree; copper nail and washer	740.90

For additional level lines along Chicago, Rock Island & Pacific Ry. and Missouri Pacific R.R., refer to United States Coast and Geodetic Survey second-order lines, Versailles to Windsor and Warsaw to Nay.

SMITHTON QUADRANGLE
(Latitude 38°30'-38°45'; longitude 93°00'-93°15')

Benton, Cooper, Morgan, and Pettis Counties



1. FROM SEDALIA SOUTH INTO COLE CAMP QUADRANGLE AT SEC. 13,
T. 45 N., R. 21 W. (by C. P. Thompson in 1934)

Sedalia, about 2 mi. E. of, about 1,000 ft. SE. of SE. corner of Missouri Pacific R.R. shops, 44 ft. N. of main track, 21 ft. W. of Beaman rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1541 C W A 1934"	894.721
Reference mark, 84 ft. S. of tablet, on top of rim of manhole; chiseled cross	894.444
Sedalia, about 2 mi. E. of, 70 ft. E. of line between secs. 1 and 2, T. 45 N., R. 21 W., 55 ft. S. of U.S. Highway 50, 26 ft. N. and 28 ft. W. from NW. corner of school, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1542 C W A 1934"	878.784
Sedalia, about 2 mi. E., thence 0.6 mi. S. from, about 400 ft. S. of center of NE 1/4 sec. 11, T. 45 N., R. 21 W., about 0.6 mi. S. of U.S. Highway 50, on W. side of Marshall Avenue, on N. end of head wall of culvert; chiseled square	869.74
Sedalia, about 2 mi. E., thence 1.4 mi. S. from, about 370 ft. N. of center of NE 1/4 sec. 14, T. 45 N., R. 21 W., 15 ft. E. of Marshall Avenue rd., on S. end of head wall of concrete culvert; chiseled square	843.11
Sedalia, about 2 mi. E., thence 1.8 mi. S. from, 24 ft. N. and 5 ft. W. from quarter cor. between secs. 13 and 14, T. 45 N., R. 21 W., N. of T-rd. S., in fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1543 C W A 1934"	837.337
Reference mark, 9 ft. SW. of tablet, in fence line, in root on W. side of 10-in. hedge tree; copper nail and washer	837.24
Sedalia, about 2 mi. E., thence 2 mi. S. from, 328 ft. N. and 17 ft. W. from S. sixteenth cor. between secs. 13 and 14, T. 45 N., R. 21 W., on knoll in woods, 17 ft. W. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1544 C W A 1934"	810.820
T. 45 N., R. 21 W., N. sixteenth cor. between secs. 23 and 24, 500 ft. E. of crossroads, on W. side of S. head wall of culvert; chiseled square	788.44
T. 45 N., R. 21 W., N. sixteenth cor. sec. 24, about 500 ft. E. of T-rd. N., at Abel Bridge over Flat Creek, at NW. corner of NW. pier, on top of westernmost rivet on bracket plate; chiseled cross	764.86
T. 45 N., Rs. 20 and 21 W., cor. secs. 19, 24, 25, and 30, 406 ft. N. and 48 ft. W. from rd. corner W.-S., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1545 C W A 1934"	814.918
Reference mark, 25 ft. S. and 69 ft. W. from tablet, in root on NW. side of 30-in. elm tree; copper nail and washer	816.54
T. 45 N., Rs. 20 and 21 W., cor. secs. 19, 24, 25, and 30, 630 ft. S. and 22 ft. E. from, 30 ft. W. of entrance to Farmer's Grange Hall, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1546 C W A 1934"	799.874
Reference mark, 51 ft. E. of tablet, on concrete porch; chiseled cross	799.96

	<u>Feet</u>
T. 45 N., R. 21 W., E. cor. secs. 25 and 36, 10 ft. S. and 600 ft. W. from T-rd., on E. end of S. head wall of concrete bridge; chiseled square	770.61
T. 45 N., R. 21 W., near E. sixteenth cor. sec. 36, 10 ft. W. of rd., on center of head wall of concrete culvert; chiseled square	850.90
T. 45 N., R. 21 W., near center of SE 1/4 sec. 36, 0.2 mi. N. of T-rd. N., W. of rd., 3 ft. E. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1547 C W A 1934"	896.023
Reference mark, 40 ft. N. and 38 ft. E. from tablet, in root on W. side of 16-in. mulberry tree; lead-headed nail and washer	895.26
Tps. 44 and 45 N., R. 21 W., near E. sixteenth cor. between secs. 1 and 36, 22 ft. N. and 10 ft. W. from T-rd. S., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1548 C W A 1934"	887.364
Reference mark, 33 ft. S. and 27 ft. E. from tablet, SE. of T-rd. S., on E. end of wing wall of concrete culvert; chiseled square	887.39
T. 44 N., R. 21 W., about 650 ft. N. of E. sixteenth cor. between secs. 1 and 12, on N. end of E. head wall of concrete culvert; chiseled square	895.67
T. 44 N., R. 21 W., near E. quarter cor. sec. 12, near rd. corner W.-S., 18 ft. N. of rd., 46 ft. W. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1549 C W A 1934"	976.821
Reference mark, 46 ft. S. and 15 ft. E. from tablet, 6 ft. S. of fence corner, on sandstone boulder; chiseled mark	976.45
T. 44 N., R. 21 W., about 0.2 mi. N. of E. cor. secs. 12 and 13, 65 ft. NE. of NE. corner of dwelling of A. McLachlan, 18 ft. W. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1550 C W A 1934"	984.989
Reference mark, 47 ft. N. and 41 ft. E. from tablet, in root on SW. side of 16-in. hedge tree; copper nail and washer	985.78
T. 44 N., R. 20 W., approximate W. quarter cor. sec. 18, 42 ft. N. and 5 ft. E. from, on N. end of E. head wall of concrete culvert; chiseled square	941.15
T. 44 N., R. 20 W., approximate W. quarter cor. sec. 19, 260 ft. S. and 18 ft. E. from, 150 ft. NE. of NE. corner of dwelling of John A. Stunner, in root on S. side of 10-in. box-elder tree; copper nail and washer	997.87
T. 44 N., R. 20 W., W. cor. secs. 19 and 30, 126 ft. N. and 18 ft. E. from T-rd. E., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1551 C W A 1934"	991.387
Reference mark, 96 ft. S. and 27 ft. E. from tablet, on N. end of head wall of concrete culvert; chiseled square	992.64
T. 44 N., R. 21 W., approximate E. cor. secs. 25 and 36, 10 ft. N. and 10 ft. W. from, on N. end of W. head wall of concrete culvert; chiseled square	979.33
Tps. 43 and 44 N., Rs. 20 and 21 W., cor. of, 18 ft. N. and 10 ft. W. from, on Benton-Pettis county line, on head wall of concrete culvert; chiseled square	971.07
T. 43 N., R. 21 W., E. cor. secs. 1 and 12, 67 ft. N. and 22 ft. W. from T-rd. W., near dwelling of H. Greschen, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1552 C W A 1934"	1,016.913
Reference mark, 28 ft. S. and 42 ft. E. from tablet, on W. end of N. head wall of concrete culvert under driveway; chiseled square	1,020.17
T. 43 N., R. 20 W., NW. cor. sec. 18, about 400 ft. S. and 9 ft. E. from, 15 ft. S. and 9 ft. E. from junction of private rd. W., on S. end of E. head wall of concrete culvert; chiseled square	1,041.10
T. 43 N., R. 20 W., quarter cor. between secs. 7 and 18, 10 ft. N. and 45 ft. E. from rd. corner S.-E., on N. head wall of concrete culvert; chiseled square	998.99

(Continued in Cole Camp quadrangle; see line 5.)

2. FROM COLE CAMP QUADRANGLE AT SEC. 10, T. 43 N., R. 19 W., WEST TO SEC. 7, T. 43 N., R. 20 W. (by C. P. Thompson in 1934)

(Continued from Gravois Mills quadrangle; see line 9.)

T. 43 N., R. 19 W., near center of SE 1/4 sec. 10, at old site of Pymont, 45 ft. N. of rd., in pasture of Will Gardner, in root on S. side of 36-in. red-oak tree; copper nail and washer	977.20
T. 43 N., R. 19 W., near center of SE 1/4 sec. 9, on top of hill, 125 ft. S. of SW. corner of Lutheran Church, 18 ft. S. of winding E.-W. rd., in root on N. side of 18-in. oak tree; copper nail and washer	975.76
T. 43 N., R. 19 W., W. sixteenth cor. between secs. 4 and 9, about 240 ft. S. and 165 ft. E. from, 30 ft. N. and 38 ft. W. from State Highway 135 at rd. E., in root on E. side of 10-in. white-oak tree; copper nail and washer	1,031.16
T. 43 N., R. 19 W., near N. sixteenth cor. between secs. 8 and 9, 306 ft. SW. of rd. junction, 27 ft. NW. of State Highway 135, 66 ft. S. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "38 C W A 1934"	1,031.536
T. 43 N., R. 19 W., about 500 ft. S. of quarter cor. between secs. 5 and 8, 80 ft. W. of rd. forks, 12 ft. N. of rd. NW., in root on S. side of twin 30-in. white-oak tree; copper nail and washer	1,023.08
T. 43 N., R. 19 W., quarter cor. between secs. 7 and 8, about 65 ft. N. and 75 ft. E. from, 20 ft. S. of rd. SW., in triangle formed by junction of private rd., in root on NW. side of 26-in. post-oak tree; copper nail and washer	988.68
T. 43 N., R. 19 W., near W. quarter cor. sec. 7, 35 ft. N. and 125 ft. W. from T-rd. S., at crossing on E. bank of How Creek, 25 ft. N. of winding rd., in fence corner, in root on W. side of 12-in. hackberry tree; copper nail and washer	827.82

	<u>Feet</u>
T. 43 N., R. 20 W., near S. sixteenth cor. between secs. 11 and 12, on side of ridge, 20 ft. N. of E.-W. rd. at curve, on wooded land, in root on S. side of 10-in. white-oak tree; copper nail and washer	965.96
T. 43 N., R. 20 W., near center of SW 1/4 sec. 11, 30 ft. N. of winding E.-W. rd. at rd. forks, at SE. corner of cemetery, on center of E. head wall of concrete culvert; chiseled square	1,061.54
T. 43 N., R. 20 W., near center of SW 1/4 sec. 10, 21 ft. N. and 96 ft. E. from T-rd. S., 63 ft. S. of Lake Creek School, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "39 C W A 1934"	1,017.664
Reference mark, 60 ft. S. and 60 ft. W. from tablet, in root on N. side of 18-in. white-oak tree; copper nail and washer	1,014.50
T. 43 N., R. 20 W., in NW 1/4 sec. 9, 110 ft. N. and 108 ft. W. from crossroads, on SE. corner of bottom step to Lutheran Church; chiseled square	977.62
T. 43 N., R. 20 W., near center of NW 1/4 sec. 9, on NE. wing wall of concrete bridge over Lake Creek; chiseled square	908.04
T. 43 N., R. 20 W., approximate quarter cor. between secs. 7 and 8, 50 ft. S. and 10 ft. W. from T-rd. E., on W. head wall of concrete culvert; chiseled square	978.97
3. FROM GREEN RIDGE QUADRANGLE AT SEC. 33, T. 45 N., R. 21 W., EAST TO SEC. 36, T. 45 N., R. 21 W. (by R. B. Kuebler in 1934) (Continued from Green Ridge quadrangle; see line 3.)	
T. 44 N., R. 21 W., near W. sixteenth cor. on N. line sec. 4, at Valda, 90 ft. E. of E. face of church, on E. end of N. concrete head wall of culvert; chiseled square	815.14
T. 44 N., R. 21 W., in NE 1/4 sec. 4, 92 ft. N. and 33 ft. W. from NW. corner of farmhouse of R. D. Wood, 27 ft. S. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	898.283
T. 44 N., R. 21 W., near W. sixteenth cor. on N. line sec. 3, 230 ft. W. of T-rd. N., 300 ft. W. of fence S., on E. end of N. head wall of concrete culvert; chiseled square	920.50
T. 44 N., R. 21 W., N. cor. secs. 2 and 3, 560 ft. E. of T-rd. N., on N. end of W. concrete abutment of bridge over creek; chiseled square	929.15
T. 44 N., R. 21 W., 700 ft. W. of N. cor. secs. 1 and 2, 680 ft. E. of T-rd. S., on S. head wall of concrete culvert; chiseled square	865.41
4. FROM GREEN RIDGE QUADRANGLE EAST ALONG MISSOURI PACIFIC RAILROAD TO OTTERVILLE (by S. B. Scott in 1934) (Continued from Green Ridge quadrangle; see line 4.)	
Sedalia, near W. limits of, 40 ft. E. of Park Avenue, 90 ft. N. of main track, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 31 C 1936"	860.825
Sedalia, on N. side of courthouse, in stone sill of easternmost window; top of monel rivet	913.335
T. 45 N., R. 20 W., near NW. cor. sec. 8, 35 ft. S. of track, 25 ft. E. of N.-S. rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	902.026
Smithton, 1 mi. E. of, 40 ft. S. of track, near T-rd. W., 36 ft. E. of N.-S. rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	870.076
Otterville, 1 mi. SW. of, 30 ft. N. of track, 40 ft. E. of N.-S. rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	799.894
U.S.C. & G.S. B.M. designated "XXXVII"	732.338
Reference mark, 95 ft. S. of B.M., on NE. corner of concrete porch of Otterville Hotel; chiseled square	727.56
5. FROM OTTERVILLE NORTHWEST INTO NELSON QUADRANGLE AT SEC. 18, T. 46 N., R. 19 W. (by F. C. Lentz in 1936)	
Otterville, in SW. corner of farm lot of L. E. Smith, 174 ft. NW. of dwelling, 20 ft. N. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	826.875
Otterville, 0.5 mi. W. of, 93 ft. W. of rd. to Clifton City, 57 ft. SW. of SW. corner of dwelling of H. D. Case, 6 ft. N. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet	811.534
T. 46 N., R. 19 W., near W. quarter cor. sec. 33, 85 ft. W. of rd. to Clifton City, 60 ft. N. of E.-W. fence, in root on NE. side of 30-in. locust tree; lead-headed nail	781.46
T. 46 N., R. 19 W., near SW. cor. sec. 28, at turn in rd. to Clifton City, 100 ft. SW. of farmhouse, in root on SW. side of 24-in. elm tree; screw	720.62
T. 46 N., R. 19 W., in SW 1/4 sec. 29, 1 mi. N. and 1.5 mi. W. from Otterville, 526 ft. S. and 559 ft. W. from SE. corner of concrete porch of school, in concrete post; U.S.C. & G.S. and State Survey standard tablet	806.276
T. 46 N., R. 19 W., in SW 1/4 sec. 29, 1 mi. N. and 1.8 mi. W. from Otterville, at top of ridge, 692 ft. N. and 100 ft. W. from small farmhouse, in E.-W. fence line, in concrete post; U.S.C. & G.S. and State Survey standard tablet	828.619
T. 45 N., R. 19 W., in NW 1/4 sec. 29, N. of rd. to Clifton City at rd. fork NE., 100 ft. NW. of mail box of Alfred A. Hogan, 10 ft. NW. of blazed 12-in. hickory tree, in stump; monel rivet	691.73
T. 46 N., R. 19 W., near NE. cor. sec. 30, W. of rd. to Clifton City, in front yard of dwelling of H. H. Brooks, in root on E. side of 30-in. oak tree; monel rivet	803.09

T. 46 N., R. 19 W., about 0.3 mi. S. of cor. secs. 17, 18, 19, and 20, W. of rd. to Clifton City, in root on SW. side of 20-in. tree; spike Feet
791.83

(Continued in Nelson quadrangle; see line 3.)

6. FROM SEDALIA NORTHEAST INTO NELSON QUADRANGLE AT SEC. 19, T. 46 N., R. 20 W. (by F. C. Lentz in 1936)

U.S.C. & G.S. standard disk stamped "Sedalia 1934" 908.765
 U.S.C. & G.S. standard disk stamped "B 96 1935" 904.073
 Sedalia, 0.5 mi. W. of Missouri Pacific R.R. shops, 200 ft. E. of mile-pole 187.30, on right-of-way, on SW. corner of concrete base of semaphore; chiseled square 912.80
 Sedalia, 1 mi. N. and 0.2 mi. E. from U.S. Highway 50 at Marshall Avenue, near NW. cor. sec. 1, T. 45 N., R. 21 W., at intersection of Boonville Street and Beaman rd. (now Harding Avenue), on N. end of W. head wall of concrete culvert; chiseled square 885.81
 Sedalia, 1.8 mi. N. and 0.5 mi. E. from U.S. Highway 50 at Marshall Avenue, near W. sixteenth cor. sec. 36, T. 46 N., R. 21 W., 50 ft. N. of Missouri-Kansas-Texas R.R., $\frac{3}{4}$ ft. E. of rd., on right-of-way, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1563 C W A 1934" 874.254
 Sedalia, about 1.9 mi. N. and 0.5 mi. E. from U.S. Highway 50 at Marshall Avenue, in NW $\frac{1}{4}$ sec. 36, T. 46 N., R. 21 W., 38 ft. N. and 35 ft. E. from crossroads, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1564 C W A 1934" 874.950
 Sedalia, 2.8 mi. N. and 0.5 mi. E. from U.S. Highway 50 at Marshall Avenue, about 390 ft. N. and 660 ft. W. from center sec. 25, T. 46 N., R. 21 W., on S. end of E. head wall of concrete culvert; chiseled square 824.64
 Sedalia, 3.2 mi. N. and 0.5 mi. E. from U.S. Highway 50 at Marshall Avenue, 660 ft. W. of quarter cor. between secs. 24 and 25, T. 46 N., R. 21 W., 15 ft. N. and 20 ft. W. from T-rd. W., on W. end of N. head wall of concrete culvert; chiseled square 849.80
 Beaman, 1 mi. S. and 2.2 mi. W. from, near center of SE $\frac{1}{4}$ sec. 24, T. 46 N., R. 21 W., 10 ft. N. of rd., on E. end of N. head wall of concrete culvert; chiseled square 864.83
 Beaman, 1 mi. S. and 2 mi. W. from, near S. sixteenth cor. between secs. 19 and 24, T. 46 N., R. 20 and 21 W., 27 ft. S. of rd., 8 ft. E. of fence, on land of John Rector, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1565 C W A 1934" 859.705

(Continued in Nelson quadrangle; see line 4.)

7. FROM SEC. 36, T. 46 N., R. 21 W., NORTHWEST INTO NELSON QUADRANGLE AT SEC. 21, T. 46 N., R. 21 W. (by F. C. Lentz in 1936)

T. 46 N., R. 21 W., cor. secs. 25, 26, 35, and 36, on N. side of Griessen rd., 500 ft. E. of farmhouse, on W. end of N. head wall of concrete culvert; chiseled square 856.20
 T-rd. S., on top of head wall of concrete culvert; painted square 873.90
 T. 46 N., R. 21 W., cor. secs. 26, 27, 34, and 35, 340 ft. N. of intersection of Griessen rd. and Longwood rd., E. of rd., on N. end of E. head wall of concrete culvert; chiseled square 882.48
 Sunny Side School, at entrance, on concrete walk; chiseled square 862.84
 T. 46 N., R. 21 W., near NW. cor. sec. 26, about 1 mi. N. of NE. limits of Sedalia, inside property line E. of Longwood rd., 42 ft. S. and 11 ft. E. from corner of E. head wall of double wing culvert, 32 ft. S. and 42 ft. E. from S. end of W. head wall, in concrete post; U.S.C. & G.S. and State Survey standard tablet 851.516
 T. 46 N., R. 21 W., in sec. 21, 150 ft. E. of Georgetown rd. at rd. E., on W. end of N. handrail of concrete bridge; chiseled square 779.71

(Continued in Nelson quadrangle; see line 7.)

8. FROM SEDALIA WEST ALONG U.S. HIGHWAY 65 INTO GREEN RIDGE QUADRANGLE (by F. C. Lentz in 1936)

Sedalia, at SW. corner of West Broadway (also U.S. Highway 65) and Park Streets, on top of concrete curb; chiseled square 849.62

(Continued in Green Ridge quadrangle; see line 6.)

9. FROM SEC. 36, T. 45 N., R. 21 W., EAST INTO TIPTON QUADRANGLE AT SEC. 3, T. 44 N., R. 19 W. (by F. C. Lentz in 1936)

T. 44 N., R. 20 W., in NW $\frac{1}{4}$ (NE $\frac{1}{4}$?) sec. 6, 100 ft. S. and 15 ft. E. from T-rd. S., in root of 13-in. elm tree; copper nail and washer 880.44
 T. 44 N., R. 20 W., in NE $\frac{1}{4}$ sec. 5, 20 ft. S. and 60 ft. E. from rd. corner, in root on S. side of 14-in. white-oak tree; copper nail and washer 910.61
 Tps. 44 and 45 N., R. 20 W., W. sixteenth cor. between secs. 4 and 33, 21 ft. N. and 404 ft. E. from T-rd. N., 18 ft. S. and 15 ft. E. from SE. corner of dwelling of C. W. Jackson, in concrete post; standard tablet stamped "C W A 1934" 886.259

	<u>Feet</u>
Tps. 44 and 45 N., R. 20 W., quarter cor. between secs. 3 and 34, 30 ft. S. and 10 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square	880.95
T. 44 N., R. 20 W., in E 1/2 sec. 2, 0.5 mi. N. of Lutman, 45 ft. S. and 10 ft. E. from T-rd. E., on head wall of concrete culvert; chiseled square	907.28
T. 44 N., R. 20 W., on line between secs. 1 and 2, about 0.5 mi. N. and 0.2 mi. E. from Lutman, 88 ft. N. of Lake Creek Methodist Church, 65 ft. S. of rd., 26 ft. E. of black-oak tree, in concrete post; standard tablet stamped "C W A 1934"	917.290
Reference mark, 88 ft. S. of tablet, on NE. corner of first concrete step to church; painted square	921.32
T. 44 N., R. 20 W., in NW 1/4 sec. 1, 55 ft. N. and 100 ft. W. from T-rd. N., at rd. corner from S.-E., in root on S. side of 14-in. white-oak tree; copper nail and washer	852.86
Lutman, about 2.2 mi. NE. of, on NW. corner of concrete bridge over Lake Creek; chiseled square	755.37
T-rd. W., SW. of, in root of 12-in. white-oak tree; bent nail	791.37
T. 45 N., R. 19 W., E. sixteenth cor. on S. line sec. 31, 15 ft. N. and 140 ft. E. from T-rd. S., in root on S. side of 15-in. walnut tree; copper nail and washer	817.31
T. 45 N., R. 19 W., in SE 1/4 sec. 31, 65 ft. N. of rd., 12 ft. W. of rd. N., 1 ft. W. of fence, in concrete post; standard tablet stamped "CWA 1934"	791.091
Reference mark, 35 ft. S. and 35 ft. E. from tablet, in root on N. side of 14-in. pin-oak tree; copper nail and washer	793.32
Tps. 44 and 45 N., R. 19 W., E. sixteenth cor. between secs. 5 and 32, 27 ft. S. and 100 ft. E. from crossroads, in root on NW. side of 6-in. hawthorn tree; copper nail and washer	797.64
T. 45 N., R. 19 W., S. quarter cor. sec. 33, 20 ft. N. and 20 ft. W. from T-rd. N., on W. end of concrete pipe culvert; chiseled square	818.95
T. 44 N., R. 19 W., in NW 1/4 sec. 3, on N. pier of concrete bridge over Haw Creek; chiseled square	720.83

(Continued in Tipton quadrangle; see line 2.)

10. FROM TIPTON QUADRANGLE AT SEC. 34, T. 45 N., R. 19 W., NORTH ALONG COUNTY ROUTE A (now State Highway 135) AND OTHER ROADS TO OTTERVILLE (by F. C. Lentz in 1936)

Florence, about 3 mi. NW. of, in NW 1/4 sec. 34, T. 45 N., R. 19 W., 32 ft. N. and 75 ft. E. from junction of rd. N., 1 ft. S. and 47 ft. E. from telegraph pole in fence corner, in concrete post; standard tablet stamped "1401 C W A 1934"	866.420
Florence, 4.2 mi. NW. of, at SW. corner of steel bridge over Flat Creek, in S. end of concrete abutment; top of iron rod	724.21
T. 45 N., R. 19 W., near center of NE 1/4 sec. 29, 300 ft. N. and 35 ft. E. from crossroad, 35 ft. SW. of highway at curve, in root on E. side of 30-in. elm tree; copper nail and washer	783.38
T. 45 N., R. 19 W., near E. sixteenth cor. sec. 20, 23 ft. S. and 25 ft. E. from junction of rd. E., 13 ft. S. and 35 ft. E. from junction of rd. W., 8 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "1100 C W A 1934"	819.762
T. 45 N., R. 19 W., E. sixteenth cor. between secs. 17 and 20, 35 ft. N. of highway, 150 ft. S. and 100 ft. W. from farmhouse, in root on S. side of 28-in. wild-cherry tree; copper nail and washer	884.05
T. 45 N., R. 19 W., quarter cor. between secs. 8 and 17, 20 ft. N. and 35 ft. E. from E.-W. crossroad, in root on W. side of 12-in. ash tree; copper nail and washer	835.48
T. 45 N., R. 19 W., cor. secs. 8, 9, 16, and 17, 22 ft. N. and 85 ft. W. from crossroads, in root on W. side of 14-in. cedar tree; copper nail and washer	829.24
T. 45 N., R. 19 W., cor. secs. 9, 10, 15, and 16, 59 ft. S. (N. ?) and 27 ft. W. from crossroads, 3 ft. S. and 86 ft. E. from SE. corner of brick School, in concrete post; U.S.C. & G.S. and State Survey standard tablet	837.676
Reference mark, 20 ft. S. and 30 ft. W. from tablet, in root on N. side of 24-in. elm tree; copper nail and washer	837.57
Otterville, near SW. edge of, 120 ft. S. of Missouri Pacific R.R., 150 ft. SE. of rd. crossing, 50 ft. S. and 40 ft. E. from rd. corner, in root on N. side of 30-in. walnut tree; copper nail and washer	726.87

11. FROM TIPTON QUADRANGLE AT SEC. 34, T. 44 N., R. 19 W., SOUTH INTO TIPTON QUADRANGLE AT SEC. 3, T. 43 N., R. 19 W. (by F. C. Lentz in 1936)

(Continued from Tipton quadrangle; see line 3.)

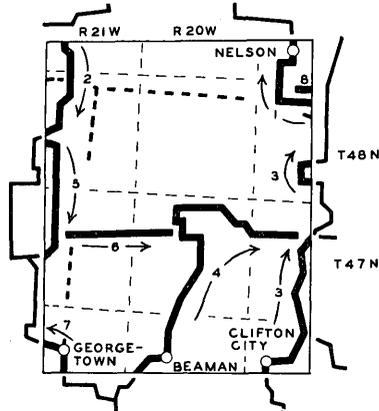
T. 44 N., R. 19 W., in NW 1/4 sec. 34, 35 ft. E. of State Highway 135 at crossroad, in root of 12-in. black-oak tree; copper nail and washer	1,008.68
--	----------

(Continued in Tipton quadrangle; see line 3.)

For additional level lines along Missouri Pacific R.R., Missouri-Kansas-Texas R.R., and U.S. Highway 65, refer to United States Coast and Geodetic Survey first-order line, Jefferson City to Pleasant Hill; and second-order lines, Sedalia to Springfield and Sedalia to Sweet Springs.

NELSON QUADRANGLE
(Latitude 38°45'-39°00'; Longitude 93°00'-93°15')

Cooper, Pettis, and Saline Counties



1. FROM PILOT GROVE QUADRANGLE AT SEC. 4, T. 48 N., R. 19 W., NORTH INTO MARSHALL QUADRANGLE AT SEC. 29, T. 49 N., R. 19 W. (by C. P. Thompson in 1934)

	<u>Feet</u>
Ridge triangulation sta.; U.S.C. & G.S. standard disk designated "Ridge"	814.811
Reference mark 2; U.S.C. & G.S. standard reference disk	812.352
Nelson, 2 mi. S. and 0.5 mi. E. from, near center of NE 1/4 sec. 6, T. 48 N., R. 19 W., about 700 ft. SE. of Salt Pork Cemetery, 21 ft. S. and 36 ft. E. from T-rd., in fence line, in root on S. side of 12-in. burr-oak tree; copper nail and washer	705.85
Nelson, 2 mi. S. of, near center of NW 1/4 sec. 6, T. 48 N., R. 19 W., 23 ft. S. and 19 ft. W. from T-rd. N., 68 ft. N. and 12 ft. W. from NW. corner of farmhouse of S. Wainscott, in concrete post; standard tablet stamped "1023 C W A 1934"	797.993
Reference mark, 30 ft. S. and 10 ft. E. from tablet, in root on NE. side of 18-in. cottonwood tree; copper nail and washer	798.78
Nelson, 1 mi. SW. of, near center of NE 1/4 sec. 31, T. 49 N., R. 19 W., on S. end of E. concrete curb of bridge over Blackwater River; chiseled square	615.91
Nelson, at post office, 3 in. S. of pilaster, on N. end of entrance; chiseled square	664.83

(Continued in Marshall quadrangle; see line 1.)

2. FROM MARSHALL QUADRANGLE AT SEC. 29, T. 49 N., R. 21 W., SOUTH INTO SWEET SPRINGS QUADRANGLE AT SEC. 20, T. 48 N., R. 21 W. (by C. P. Thompson in 1934)

T. 49 N., R. 21 W., near N. sixteenth cor. sec. 32, 330 ft. N. and 7 ft. E. from T-rd. E., 200 ft. N. and 90 ft. E. from Pleasant Valley School, on E. end of S. head wall of concrete abutment of bridge over Buck Branch; chiseled square	638.30
T. 49 N., R. 21 W., quarter cor. between secs. 32 and 33, 51 ft. N. and 84 ft. E. from, on top of hill, 4 ft. S. of SW. corner of farmhouse of Western Odways, in root on W. side of 18-in. persimmon tree; copper nail and washer	683.36
T. 48 N., R. 21 W., near quarter cor. between secs. 4 and 5, on U.S. Highway 40, 20 ft. N. and 375 ft. W. from crossroad, on E. end of N. head wall of concrete culvert; chiseled square	633.77
T. 48 N., R. 21 W., in S 1/2 sec. 8, at rd. corner N.-SW., about 250 ft. NW. of farmhouse, 20 ft. W. of rd. N., at gate, in fence corner, in root on E. side of 36-in. burr-oak tree; copper nail and washer	630.46
T. 48 N., R. 21 W., quarter cor. between secs. 8 and 17, 57 ft. N. and 33 ft. E. from, 33 ft. E. of N.-S. rd., in front yard of Fitzgerald farmhouse, in root on W. side of twin 20-in. white-oak tree; copper nail and washer	752.91
T. 48 N., R. 21 W., quarter cor. between secs. 17 and 20, 54 ft. N. and 24 ft. W. from, 39 ft. N. and 24 ft. W. from T-rd. E., 12 ft. S. and 34 ft. E. from SE. corner of farmhouse of Tracey Haggard, in root on E. side of 10-in. cedar tree; copper nail and washer	766.35

3. FROM SMITHTON QUADRANGLE AT SEC. 18, T. 46 N., R. 19 W., NORTH INTO PILOT GROVE QUADRANGLE AT SEC. 33, T. 48 N., R. 19 W.
(by F. C. Lentz in 1936)

(Continued from Smithton quadrangle; see line 5.)

	<u>Feet</u>
T. 46 N., R. 19 W., near S. sixteenth cor. between secs. 17 and 18, 15 ft. W. of Clifton City rd., 900 ft. S. of SE. corner of farmhouse on Meadow Gold Farm, 750 ft. N. of NW. corner of farmhouse of John Dove, in concrete post; U.S.C. & G.S. and State Survey standard tablet	809.206
Clifton City, in central part of, 585 ft. N. of main line of Missouri-Kansas-Texas R.R., 162 ft. NE. of crossroads, 32 ft. E. of rd., 79 ft. NE. of NE. corner of store building, in concrete post; U.S.C. & G.S. and State Survey standard tablet	762.863
T. 46 N., R. 19 W., near center sec. 17, on Missouri-Kansas-Texas R.R., in W. end of N. abutment of culvert; small brass plug	710.19
T. 46 N., R. 19 W., in sec. 17, 1 mi. E. of Clifton City, N. of Missouri-Kansas-Texas R.R., on NW. corner of concrete base of S. post; (mark not described)	669.85
T. 46 N., R. 19 W., near line between secs. 16 and 17, 170 ft. SW. of W. corner of Missouri-Kansas-Texas R.R. bridge 214.2 over Lamine River, 20 ft. N. of rd. at top of hill, in concrete post; U.S.C. & G.S. and State Survey standard tablet	687.872
T. 46 N., R. 19 W., in sec. 9, 1.5 mi. NE. of Clifton City, on S. side of Missouri-Kansas-Texas R.R. signal tower 2137; top of W. bolt	656.79
T. 46 N., R. 19 W., in SE 1/4 sec. 9, 24 ft. NW. of rd., 108 ft. SE. of NE. corner of dwelling of G. V. Streit, 96 ft. E. of N. corner of barnlot, 76 ft. NE. of windmill, in concrete post; U.S.C. & G.S. and State Survey standard tablet	768.441
T. 46 N., R. 19 W., cor. secs. 3, 4, 9, and 10, 108 ft. SE. of T-rd., 30 ft. W. of SW. corner of Oak Hill School, 120 ft. NW. of NE. corner of porch of church, in concrete post; U.S.C. & G.S. and State Survey standard tablet	816.644
T. 46 N., R. 19 W., near quarter cor. between secs. 3 and 4, 0.3 mi. S. of Missouri-Kansas-Texas R.R., 0.2 mi. S. of dwelling, 15 ft. W. of rd., in root of 10-in. walnut tree; copper nail and washer	747.21
T. 46 N., R. 19 W., near NW. cor. sec. 3, on rd. to Oak Hill School, 600 ft. NE. of Decker farmhouse, 120 ft. S. of Spring Branch, in root of 30-in. white-oak tree; copper nail and washer	653.08
T. 47 N., R. 19 W., N. sixteenth cor. between secs. 33 and 34, at T-rd., on N. end of W. wall of concrete culvert; chiseled square	690.17
T. 47 N., R. 19 W., 50 ft. S. of line between secs. 28 and 33, 0.2 mi. SE. of dwelling of John Schibi, on N. end of E. wall of concrete culvert; chiseled square	666.56
T. 47 N., R. 19 W., in NW 1/4 sec. 33, about 0.3 mi. E. of farmhouse of John Schibi, 10 ft. W. of rd., in root of 10-in. hickory tree; copper nail and washer	750.89
T. 47 N., R. 19 W., near center sec. 28, on NW. corner of concrete step to Rheinhart School; chiseled square	835.42
T. 47 N., R. 19 W., cor. secs. 21, 22, 27, and 28, 15 ft. N. and 15 ft. E. from crossroads, 6 ft. N. of E. end of concrete culvert, in concrete post; standard tablet stamped "270 C W A 1934"	779.640
T. 47 N., R. 19 W., in sec. 21, 350 ft. SE. of farmhouse of John Schupp, 250 ft. E. of rd. corner, N. of rd., in root of 10-in. sycamore tree; copper nail and washer	841.18
T. 47 N., R. 19 W., 300 ft. S. of line between secs. 16 and 21, on NW. end of concrete culvert; chiseled square	776.07
T. 47 N., R. 19 W., near center sec. 16, 6.4 mi. SW. of Pilot Grove, on rd. to Pleasant Green, 15 ft. S. and 15 ft. E. from T-rd. E., 200 ft. N. of rd. corner, in root on E. side of 20-in. white-oak tree; copper nail and washer	809.37

(For balance in Pilot Grove quadrangle, see line 3.)

T. 48 N., R. 19 W., in NE 1/4 sec. 33, 510 ft. E. of T-rd. at curve, 25 ft. S. and 125 ft. E. from rock posts at entrance to yard of dwelling of J. P. Mueller, in concrete post; standard tablet stamped "12 C W A 1934"	809.323
---	---------

(Continued in Pilot Grove quadrangle; see line 3.)

4. FROM SMITHTON QUADRANGLE AT SEC. 19, T. 46 N., R. 20 W., NORTH TO SEC. 9, T. 47 N., R. 20 W., THENCE EAST TO SEC. 16, T. 47 N., R. 19 W. (by C. P. Thompson in 1934 and F. C. Lentz in 1936)

(Continued from Smithton quadrangle; see line 6.)

Beaman, 0.2 mi. S. and 1.5 mi. W. from, 25 ft. S. and 10 ft. W. from quarter cor. between secs. 18 and 19, T. 46 N., R. 20 W., on S. end of W. head wall of concrete culvert; chiseled square	840.32
Beaman, 1.5 mi. W. of, near center of S 1/2 sec. 18, T. 46 N., R. 20 W., 21 ft. S. and 10 ft. E. from crossroads, on N. end of E. head wall of concrete culvert; chiseled square	858.37
Beaman, 0.5 mi. W. of, 580 ft. W. of S. sixteenth cor. sec. 17, T. 46 N., R. 20 W., 22 ft. N. of rd., 2 ft. N. and 4 ft. E. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 1566 C W A 1934"	827.201
Beaman, 67 ft. N. of N. edge of porch of dwelling of P. A. Carry, 31 ft. S. of iron pin in T-rd. N., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1567 C W A 1934"	832.544

	Feet
T. 46 N., R. 20 W., S. sixteenth cor. between secs. 8 and 9, 120 ft. S. and 27 ft. E. from T-rd. E., 800 ft. S. of Olive Branch Baptist Church, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 1568 C W A 1934"	729.346
T. 46 N., R. 20 W., quarter cor. between secs. 8 and 9, 21 ft. N. and 24 ft. E. from T-rd. E., 700 ft. N. of Olive Branch Baptist Church, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 1569 C W A 1934"	742.952
T. 46 N., R. 20 W., near SE. cor. sec. 5, 0.8 mi. N. of Olive Branch Baptist Church, on top of hill, near dwelling of A. Roger, 15 ft. W. of rd., in root on E. side of 30-in. oak tree; copper nail and washer	843.98
T. 46 N., R. 20 W., in NW 1/4 sec. 4, 1.8 mi. N. of Olive Branch Baptist Church, 25 ft. W. of rd., on land of J. G. Thomas, in root on E. side of 30-in. elm tree; copper nail and washer	746.61
T. 47 N., R. 20 W., in NE 1/4 SW 1/4 sec. 33, about 2.4 mi. N. of Olive Branch Baptist Church, 190 ft. N. of dwelling of Grant Thomas, 46 ft. E. of rd., 35 ft. S. of blazed 14-in. elm tree, 5 ft. N. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 1570 C W A 1934"	735.581
T. 47 N., R. 20 W., near center sec. 33, about 2.6 mi. N. of Olive Branch Baptist Church, 69 ft. NE. of rd. fork E., 18 ft. E. of rd., 47 ft. N. of blazed 14-in. post-oak tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 1571 C W A 1934"	692.727
Lookout, 2 mi. S. of, 10 ft. S. and 10 ft. W. from W. sixteenth cor. between secs. 27 and 34, T. 47 N., R. 20 W., 10 ft. W. of N.-S. rd., on N. end of W. head wall of concrete culvert; chiseled square	770.93
Lookout, 0.8 mi. S. of, in NE 1/4 NW 1/4 sec. 27, T. 47 N., R. 20 W., at top of hill, 500 ft. S. and 500 ft. W. from school, 21 ft. E. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 1572 C W A 1934"	817.645
Lookout, 0.4 mi. S. of, near S. sixteenth cor. sec. 22, T. 47 N., R. 20 W., 26 ft. W. of rd., 12 ft. N. of large gatepost, 6 ft. W. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 1573 C W A 1934"	805.543
Lookout, 0.5 mi. N. of, quarter cor. between secs. 15 and 22, T. 47 N., R. 20 W., 35 ft. N. and 15 ft. W. from crossroads, in root on E. side of 24-in. post-oak tree; copper nail and washer	815.70
Lookout, 0.6 mi. N. of, quarter cor. between secs. 15 and 22, T. 47 N., R. 20 W., 64 1/2 ft. N. and 27 ft. E. from crossroads, 20 ft. N. and 60 ft. W. from NW. corner of farmhouse, in root on W. side of 20-in. black-locust tree; copper nail and washer	836.56
Lookout, 1.1 mi. N. of, in SE 1/4 NW 1/4 sec. 15, T. 47 N., R. 20 W., 15 ft. S. and 42 ft. E. from crossroads, in old fence row, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 1574 C W A 1934"	709.837
Cartwright School, 0.5 mi. E., thence 0.9 mi. S. from, 0.4 mi. S. of quarter cor. between secs. 9 and 16, T. 47 N., R. 20 W., 20 ft. S. and 40 ft. E. from T-rd. E., in fence corner, in root on SW. side of 24-in. oak tree; copper nail and washer	822.40
Cartwright School, 0.5 mi. E., thence 0.2 mi. S. from, 510 ft. N. and 10 ft. E. from S. sixteenth cor. sec. 9, T. 47 N., R. 20 W., 12 ft. E. of rd., in root on W. side of 30-in. elm tree; copper nail and washer	850.94
Cartwright School, 15 ft. S. and 60 ft. W. from SW. corner of, quarter cor. between secs. 8 and 9, T. 47 N., R. 20 W., 70 ft. N. and 325 ft. W. from County Route J at rd. N., in root on S. side of 36-in. elm tree; copper nail and washer	861.52
Cartwright School, 0.5 mi. N. of, cor. secs. 4, 5, 8, and 9, T. 47 N., R. 20 W., 60 ft. S. and 31 ft. E. from County Route J at rd. E., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 1575 C W A 1934"	843.518 796.26
T-rd. S., N. of, on head wall of concrete culvert; chiseled square	816.81
T. 47 N., R. 20 W., about 0.1 mi. E. of cor. secs. 2, 3, 10, and 11, 75 ft. S. and 162 ft. E. from crossroads, on E. side of concrete step to Memorial Baptist Church; chiseled square	816.81
T. 47 N., R. 20 W., near center sec. 11, 300 ft. N. and 125 ft. E. from farmhouse of Mrs. Beulah Durfee, 23 ft. E. of rd., 90 ft. S. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "1576 C W A 1934"	806.435
T. 47 N., R. 20 W., in SE 1/4 SE 1/4 sec. 11, 60 ft. W. of T-rd. S., N. of rd., on SW. corner of concrete walk to Union Church; chiseled square	802.37
T. 47 N., R. 20 W., in SE 1/4 sec. 12, 0.5 mi. W. of farmhouse of E. Dilthey, on W. end of S. wall of concrete culvert; chiseled square	665.99
T. 47 N., R. 19 W., in SW 1/4 sec. 7, at turn in rd., in 12-in. black-walnut tree; copper nail and washer	624.65
T. 47 N., R. 19 W., in NW 1/4 sec. 17, at SE. corner of steel bridge over Lamine River, on E. end of S. abutment; chiseled square	629.41
T. 47 N., R. 19 W., in NW 1/4 sec. 17, 49 ft. E. of T-rd. W., in center of abandoned rd. E., in concrete post; U.S.C. & G.S. and State Survey standard tablet	653.767 694.32 708.50
Rd. corner E.-S., on head wall of concrete culvert; chiseled square	694.32
Concrete culvert, on W. end of; (mark not described)	708.50
T. 47 N., R. 19 W., near center sec. 16, 10 ft. S. of rd., on center of S. head wall of concrete culvert; chiseled square	746.16

5. FROM SWEET SPRINGS QUADRANGLE AT SEC. 20, T. 48 N., R. 21 W., SOUTH INTO SWEET SPRINGS QUADRANGLE AT SEC. 20, T. 47 N., R. 21 W. (by F. C. Lentz in 1936)

T. 48 N., R. 21 W., E. sixteenth cor. between secs. 29 and 32, 400 ft. S. and 15 ft. W. from T-rd. S., in root on N. side of twin 6-in. elm tree; copper nail and washer	Feet 779.78
Wooden bridge over creek, at SW. corner of, on W. end of concrete abutment; chiseled square	716.37
T. 47 N., R. 21 W., W. sixteenth cor. on N. line sec. 5, 30 ft. S. of T-rd. N., in concrete post; U.S.C. & G.S. and State Survey standard tablet	756.744 714.3
Bridge over small creek; surface of floor	
T. 47 N., R. 21 W., center sec. 5, 15 ft. N. and 15 ft. E. from T-rd. E., on head wall of concrete culvert; chiseled square	791.53
Bridge over small creek, on W. side of, at bottom of beam; top of angle iron	750.0
T. 47 N., R. 21 W., S. sixteenth cor. sec. 8, 150 ft. N. and 250 ft. W. from NW. corner of school, 25 ft. E. of rd., in 12-in. hedge tree; copper nail and washer	792.39
T. 47 N., R. 21 W., N. sixteenth cor. sec. 17, 198 ft. S. and 28 ft. W. from crossroads, 21 ft. N. and 2 ft. E. from E. entrance to High Hill Cemetery, in concrete post; standard tablet stamped "1094 C W A 1934"	817.782
Reference mark, 210 ft. N. and 25 ft. E. from tablet, on iron pipe culvert; painted square	814.72
T. 47 N., R. 21 W., N. sixteenth cor. sec. 20, 20 ft. N. and 15 ft. W. from T-rd. N., on head wall of concrete culvert; chiseled square	781.09

(Continued in Sweet Springs quadrangle; see line 6.)

6. FROM SEC. 17, T. 47 N., R. 21 W., EAST TO SEC. 15, T. 47 N., R. 21 W., THENCE EAST ALONG COUNTY ROUTE J TO SEC. 9, T. 47 N., R. 20 W. (by F. C. Lentz in 1936)

T. 47 N., R. 21 W., N. sixteenth cor. sec. 16, 40 ft. S. and 200 ft. W. from rd. corner W.-N., in root on N. side of 40-in. elm tree; copper nail and washer	846.55
T. 47 N., R. 21 W., near W. sixteenth cor. between secs. 10 and 15, 46 ft. S. and 35 ft. E. from U.S. Highway 65 at County Route D to W. and County Route J to E., 2 ft. N. and 5 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 37 C 1936"	845.818
T. 47 N., R. 21 W., in NE 1/4 sec. 15, 0.7 mi. E. of U.S. Highway 65, at SW. corner of concrete bridge over small creek, on concrete abutment; chiseled square	761.49
T. 47 N., R. 21 W., on line between secs. 11 and 14, 30 ft. S. of school, 25 ft. N. of highway, on SE. corner of concrete block; chiseled square	844.52 840.30
Junction of rd. S., on E. end of iron pipe culvert; painted square	
T. 47 N., R. 21 W., E. sixteenth cor. between secs. 12 and 13, 30 ft. S. and 180 ft. E. from junction of rd. N., in 48-in. maple tree; copper nail and washer	819.64
T. 47 N., R. 21 W., E. cor. secs. 12 and 13, 23 ft. N. and 36 ft. E. from junction of rd. S., 44 1/2 ft. N. and 36 ft. E. from T-rd. E. at W. cor. secs. 7 and 18, T. 47 N., R. 20 W., 2 ft. S. and 6 ft. E. from telephone pole, in concrete post; standard tablet stamped "T T 38 C 1936"	794.939
Cartwright School, 1.2 mi. W. of, at SE. corner of concrete bridge, on top of concrete abutment; chiseled square	759.84

7. FROM SMITHTON QUADRANGLE AT SEC. 21, T. 46 N., R. 21 W., NORTHWEST INTO SWEET SPRINGS QUADRANGLE AT SEC. 17, T. 46 N., R. 21 W. (by F. C. Lentz in 1936)

(Continued from Smithton quadrangle; see line 7.)

Georgetown, 0.5 mi. S. of, in SE 1/4 NW 1/4 sec. 21, T. 46 N., R. 21 W., at top of hill, in yard of dwelling of William Sands, 7 ft. S. and 3 ft. E. from concrete gatepost, S. of driveway, 20 ft. S. and 77 ft. W. from 12-in. black-locust tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet	827.578
Georgetown, at E. limits of, in field NE. of rd. corner, 48 ft. S. and 63 ft. E. from SE. corner of old church, 7 ft. S. and 48 ft. W. from 20-in. walnut tree; in concrete post; U.S.C. & G.S. and State Survey standard tablet	827.830

(Continued in Sweet Springs quadrangle; see line 4.)

8. FROM PILOT GROVE QUADRANGLE AT SEC. 9, T. 48 N., R. 19 W., WEST TO SEC. 5, T. 48 N., R. 19 W. (by G. R. Hamlin in 1936)

T. 48 N., R. 19 W., quarter cor. between secs. 4 and 9, 12 ft. S. and 60 ft. W. from T-rd. N., on E. end of S. concrete head wall of culvert; chiseled square	702.11 785.753
U.S.C. & G.S. standard disk stamped "M 97 1935"	
Reference mark 1; U.S.C. & G.S. standard reference disk designated "Ridge triangulation sta. reference mark 1"	810.753

TIE BETWEEN UNITED STATES COAST AND GEODETIC SURVEY SECOND-ORDER LINE AND UNITED STATES GEOLOGICAL SURVEY THIRD-ORDER LINE IN SEC. 5, T. 48 N., R. 21 W. (by G. R. Hamlin in 1936)

T. 48 N., R. 21 W., near quarter cor. between secs. 4 and 5, on U.S. Highway 40, 20 ft. N. and 375 ft. W. from crossroad, on E. end of N. head wall of concrete culvert; chiseled square U.S.C. & G.S. standard disk stamped "F 97 1935"

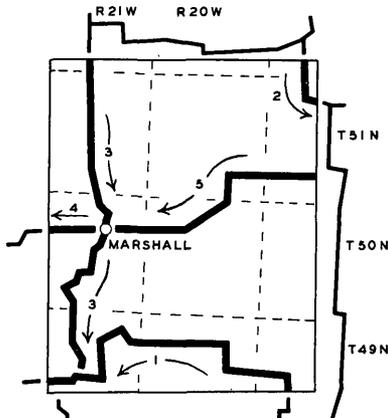
Feet

633.77
636.091

For additional level lines along U.S. Highways 40 and 65, refer to United States Coast and Geodetic Survey second-order lines, Lexington to Boonville and Sedalia to Sweet Springs.

MARSHALL QUADRANGLE
(Latitude 39°00'-39°15'; longitude 93°00'-93°15')

Cooper and Saline Counties



1. FROM NELSON QUADRANGLE AT SEC. 29, T. 49 N., R. 19 W., WEST ALONG COUNTY ROUTE H TO SEC. 11, T. 49 N., R. 21 W., THENCE SOUTHWEST ALONG ROADS INTO MALTA BEND QUADRANGLE AT SEC. 29, T. 49 N., R. 21 W. (by C. P. Thompson in 1934)
(Continued from Nelson quadrangle; see line 1.)

Nelson, 0.6 mi. N. of, 75 ft. N. and 32 ft. W. from junction of rd. N., 3 ft. N. and 6 ft. W. from fence corner, in concrete post; standard tablet stamped "1022 C W A 1934"	673.845
Reference mark, 107 ft. E. of tablet, in root on N. side of 8-in. elm tree; copper nail and washer	677.08
Nelson, 1 mi. N., thence 1.5 mi. W. from, 48 ft. S. of highway, in wooded pasture of Belle Lindsey, 18 ft. S. and 9 ft. E. from fence corner, in root on N. side of 30-in. oak tree; copper nail and washer	632.56
Nelson, 1 mi. N., thence 2.2 mi. W. from, 30 ft. N. and 663 ft. W. from quarter cor. between secs. 23 and 24, T. 49 N., R. 20 W., 30 ft. N. of highway, in root on S. side of triple 60-in. elm tree; copper nail and washer	677.32
Nelson, 1 mi. N., thence 2.5 mi. W. from, 125 ft. N. and 87 ft. E. from intersection of tangents of highway E.-N. and rd. S., 57 ft. N. of highway at curve, in concrete post; standard tablet stamped "1021 C W A 1934"	677.678
T. 49 N., R. 20 W., cor. secs. 14, 15, 22, and 23, 152 ft. S. and 18 ft. W. from junction of rd. W., on W. head wall of concrete culvert; chiseled square	690.99
Napton, 1.2 mi. S. of, cor. secs. 10, 11, 14, and 15, T. 49 N., R. 20 W., 27 ft. S. and 300 ft. W. from highway S.-W. at County Route E to N. and rd. E., in front of dwelling of Albert Wells, in root on SW. side of 18-in. cedar tree; copper nail and washer	704.30
Napton, 1.2 mi. S., thence 1 mi. W. from, 13 ft. S. and 307 ft. E. from junction of rd. S., on E. end of S. head wall of concrete culvert; chiseled square	687.23
T. 49 N., R. 20 W., in SW 1/4 SW 1/4 sec. 9, 141 ft. S. and 45 ft. E. from SE. corner of Smith Chapel of Methodist Episcopal Church, 30 ft. N. of highway, 1 ft. S. and 4 ft. W. from fence corner, in concrete post; standard tablet stamped "1020 C W A 1934"	722.658
Reference mark, 65 ft. N. of tablet, in root on SW. side of 26-in. oak tree; copper nail and washer	721.95
T. 49 N., R. 20 W., cor. secs. 7, 8, 17, and 18 13 ft. S. and 270 ft. E. from, 1.1 mi. W. of Smith Chapel of Methodist Episcopal Church, on W. end of S. head wall of concrete culvert; chiseled square	754.50
T. 49 N., R. 20 W., near W. sixteenth cor. between secs. 7 and 18, 15 ft. S. of highway, on E. end of S. head wall of concrete culvert; chiseled square	769.13

T. 49 N., R. 21 W., W. sixteenth cor. between secs. 12 and 13, 32 ft. S. and 22 ft. W. from junction of rd. S., 1 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "1019 C W A 1934"	Feet 790.616
Reference mark, 225 ft. S. and 42 ft. E. from tablet, in root on W. side of 14-in. locust tree; copper nail and washer	793.40
T. 49 N., R. 21 W., near S. sixteenth cor. between secs. 11 and 12, 31 ft. N. and 300 ft. W. from T-rd. W., in SW. corner of yard of Mt. Airy School, in root on NW. side of 36-in. box-elder tree; copper nail and washer	782.50
T. 49 N., R. 21 W., S. sixteenth cor. between secs. 10 and 11, 13 ft. S. and 890 ft. E. from junction of U.S. Highway 65, on E. end of S. head wall of concrete culvert; chiseled square	775.77
T. 49 N., R. 21 W., 385 ft. S. of cor. secs. 14, 15, 22, and 23, on U.S. Highway 65, 1.3 mi. S. of County Route H, 43 ft. S. and 34 ft. W. from junction of rd. W., 15 ft. S. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "1018 C W A 1934"	794.048
Reference mark, 21 ft. N. and 14 ft. E. from tablet, on S. end of W. head wall of concrete culvert; chiseled square	792.79
T. 49 N., R. 21 W., cor. secs. 15, 16, 21, and 22, 78 ft. N. and 45 ft. W. from stone, on top of hill, about 800 ft. W. of dwelling of W. P. Luse, 96 ft. (?) from E.-W. rd. at cemetery, in root on SE. side of 30-in. white-oak tree; copper nail and washer	746.88
T. 49 N., R. 21 W., in NW 1/4 sec. 21, 65 ft. S. and 24 ft. E. from rd. fork NW., in fence line, in root on NW. side of 16-in. oak tree; copper nail and washer	652.95
T. 49 N., R. 21 W., near center of SE 1/4 sec. 20, on top of hill, 27 ft. N. of rd., in yard of destroyed farmhouse, in root on SW. side of 20-in. maple tree; copper nail and washer	724.40
T. 49 N., R. 21 W., near W. sixteenth cor. between secs. 20 and 29, 8 ft. N. and 126 ft. E. from NE. corner of Buck Snort School, 15 ft. S. and 38 ft. W. from rd. corner S.-E., 117 ft. N. and 38 ft. W. from T-rd. W., in concrete post; standard tablet stamped "1017 C W A 1934"	733.437
Reference mark, 72 ft. S. and 93 ft. W. from tablet, in root on N. side of 16-in. post-oak tree; copper nail and washer	727.68
(Continued in Malta Bend quadrangle; see line 1.)	
2. FROM BRUNSWICK QUADRANGLE AT SEC. 32, T. 52 N., R. 19 W., SOUTHEAST INTO GLASGOW QUADRANGLE AT SEC. 5, T. 51 N., R. 19 W. (by G. R. Hamlin in 1936)	
(Continued from Brunswick quadrangle; see line 7.)	
Gilliam, 0.2 mi. N. of, 36 ft. N. and 75 ft. W. from T-rd. W., in SE. corner of farmyard, in root on E. side of 30-in. locust tree; copper nail and washer	803.00
(Continued in Glasgow quadrangle; see line 4.)	
3. FROM BRUNSWICK QUADRANGLE SOUTH ALONG STATE HIGHWAY 41 TO MARSHALL, THENCE SOUTHWEST ALONG ROADS TO SEC. 21, T. 49 N., R. 21 W. (by G. R. Hamlin in 1936)	
(Continued from Brunswick quadrangle; see line 4.)	
Fairville, center sec. 4, T. 51 N., R. 21 W., 5 ft. S. and 36 ft. E. from Baptist Church, 37 ft. W. of highway, 6 ft. N. of concrete walk, in concrete post; standard tablet stamped "1063 C W A 1934"	786.275
T. 51 N., R. 21 W., quarter cor. between secs. 4 and 9, 175 ft. S. and 20 ft. E. from junction of rd. E., on S. end of E. concrete head wall of culvert; chiseled square	729.29
T. 51 N., R. 21 W., quarter cor. between secs. 9 and 16, 15 ft. S. and 25 ft. E. from junction of rd. E., on E. end of S. concrete head wall of culvert; chiseled square	762.45
T. 51 N., R. 21 W., center sec. 21, 138 ft. N. and 39 ft. E. from junction of rd. W., 116 ft. N. and 39 ft. E. from junction of rd. E., 2 ft. W. of fence, in concrete post; standard tablet stamped "1064 C W A 1934"	692.610
T. 51 N., R. 21 W., near center sec. 28, in top of S. upstream pier of steel bridge over Salt Fork Creek; top of anchorbolt	653.39
T. 51 N., R. 21 W., E. sixteenth cor. between secs. 28 and 33, 60 ft. S. and 20 ft. E. from junction of rd. W., on N. end of E. concrete head wall of culvert; chiseled square	678.13
Marshall, 2.8 mi. N. of, 71 ft. N. and 39 ft. E. from junction of rd. E., 1 ft. W. of fence, in concrete post; standard tablet stamped "1065 C W A 1934"	750.588 719.68
Culvert, on N. end of W. concrete head wall; chiseled square	
Marshall, 0.2 mi. N. of, at E. end of cut-off at junction of U.S. Highway 65, on W. end of S. concrete head wall of culvert; chiseled square	787.05
Marshall, 116 ft. S. and 19 ft. W. from SW. corner of courthouse, 43 ft. N. and 121 ft. E. from intersection of Lafayette and Arrow Streets, 9 ft. N. of sidewalk, in concrete post; standard tablet stamped "1066 C W A 1934"	786.834
Marshall, in SW. part of, 20 ft. S. and 25 ft. E. from State Highway 20 at South Lyon Street; top of fire hydrant	777.32
T. 50 N., R. 21 W., quarter cor. between secs. 15 and 16, 130 ft. N. and 30 ft. W. from State Highway 20 at rd. S., in root on W. side of 12-in. hackberry tree; copper nail and washer	767.82

	<u>Feet</u>
T. 50 N., R. 21 W., cor. secs. 15, 16, 21, and 22, 30 ft. N. and 28 ft. E. from T-rd. E., in root on W. side of 15-in. locust tree; copper nail and washer	762.40
T. 50 N., R. 21 W., near center of SE 1/4 sec. 21, 18 ft. N. and 22 ft. E. from T-rd. W., in root on N. side of 15-in. elm tree; copper nail and washer	703.84 716.29
T-rd. E., 25 ft. E. of, on S. end of iron pipe culvert; chiseled square	
T. 50 N., R. 21 W., in NE 1/4 SW 1/4 sec. 28, 26 ft. S. and 41 ft. W. from junction of private rd. S. to farmhouse of C. C. Clark, 2 ft. N. of fence, in concrete post; standard tablet stamped "1067 C W A 1934"	759.711
T. 50 N., R. 21 W., cor. secs. 28, 29, 32, and 33, 75 ft. N. and 20 ft. E. from T-rd. W., in root on W. side of 4-in. wild-cherry tree; copper nail and washer	759.83
T. 50 N., R. 21 W., near E. sixteenth cor. between secs. 29 and 32, 15 ft. N. and 30 ft. W. from T-rd. W., in root on S. side of 30-in. cottonwood tree; copper nail and washer	777.21
T. 50 N., R. 21 W., in sec. 32, 50 ft. S. and 90 ft. W. from rd. corner N.-W., in root on N. side of 15-in. hickory tree; crossed nails	757.50
Tps. 49 and 50 N., R. 21 W., W. sixteenth cor. between secs. 5 and 32, 135 ft. N. and 55 ft. E. from T-rd. W., in root on W. side of 24-in. white-oak tree; copper nail and washer	718.56
T. 49 N., R. 21 W., W. sixteenth cor. sec. 5, about 0.2 mi. E. of Stone Wall School, 45 ft. S. and 13 ft. E. from T-rd. N., 3 ft. S. and 20 ft. E. from twin 24-in. locust tree, 2 ft. S. and 4 ft. W. from fence corner, in concrete post; standard tablet stamped "1068 C W A 1934"	750.537
T. 49 N., R. 21 W., E. sixteenth cor. sec. 5, 10 ft. S. and 200 ft. W. from T-rd. S., on E. end of S. concrete head wall of culvert; chiseled square	725.61
T. 49 N., R. 21 W., near E. sixteenth cor. sec. 8, 30 ft. S. and 30 ft. W. from center of wooden culvert, in root on N. side of 12-in. elm tree; copper nail and washer	703.18
T. 49 N., R. 21 W., near E. sixteenth cor. sec. 17, 240 ft. S. and 20 ft. E. from junction of private rd. E., in root on W. side of 12-in. elm tree; copper nail and washer	726.22
T. 49 N., R. 21 W., in SE 1/4 sec. 17, 45 ft. S. and 5 ft. E. from rd. forks E., W., and NW., 16 ft. S. of fence, in concrete post; standard tablet stamped "1069 C W A 1934"	633.735

4. FROM MARSHALL WEST ALONG STATE HIGHWAY 20 INTO MALTA BEND QUADRANGLE (by G. R. Hamlin in 1936)

Marshall, 2 mi. W. of, 20 ft. S. of highway, on W. end of S. concrete head wall of culvert; chiseled square	722.49
Marshall, 2.8 mi. W. of, 65 ft. S. and 400 ft. W. from junction of rd. S., in root on N. side of 15-in. black-oak tree; copper nail and washer	744.24
Marshall, 3.2 mi. W. of, 20 ft. N. and 55 ft. E. from crossroad, at farm entrance, on W. end of iron pipe culvert; chiseled square	772.16

(Continued in Malta Bend quadrangle; see line 4.)

5. FROM GLASGOW QUADRANGLE AT SEC. 33, T. 51 N., R. 19 W., WEST TO SEC. 35, T. 51 N., R. 20 W., THENCE SOUTH ALONG STATE HIGHWAY 240 TO SEC. 9, T. 50 N., R. 20 W., THENCE WEST ALONG STATE HIGHWAY 41 TO MARSHALL (by G. R. Hamlin in 1936)

T. 51 N., R. 19 W., W. sixteenth cor. between secs. 29 and 32, 20 ft. N. and 30 ft. E. from T-rd. S., 150 ft. NE. of NE. corner of school, in root on S. side of 24-in. wild-cherry tree; copper nail and washer	823.81
T. 51 N., R. 19 W., quarter cor. between secs. 30 and 31, 48 ft. N. and 80 ft. W. from T-rd. S., 12 ft. S. of SE. corner of church, in root on S. side of 30-in. elm tree; copper nail and washer	801.70
T. 51 N., R. 20 W., quarter cor. between secs. 25 and 36, 190 ft. S. and 18 ft. W. from crossroads, in root on E. side of 30-in. maple tree; copper nail and washer	805.01
Slater triangulation sta.; U.S.C. & G.S. standard disk designated "Slater"	835.242
Reference mark 1; U.S.C. & G.S. standard reference disk	819.029
Reference mark 2; U.S.C. & G.S. standard reference disk	824.345
T. 51 N., R. 20 W., near cor. secs. 26, 27, 34, and 35, 12 ft. S. and 25 ft. E. from State Highway 240 at E.-W. crossroad, on E. end of S. concrete head wall of culvert; chiseled square	762.56
T. 50 N., R. 20 W., near center of NE 1/4 sec. 3, 15 ft. N. and 22 ft. E. from junction of rd. E., on E. end of N. concrete head wall of culvert; chiseled square	813.55
T. 50 N., R. 20 W., quarter cor. between secs. 3 and 10, 112 ft. S. and 143 ft. W. from crossroad, 70 ft. W. of highway at curve, 1 ft. E. of fence, in concrete post; standard tablet stamped "1090 C W A 1934"	788.544
T. 50 N., R. 20 W., S. sixteenth cor. between secs. 8 and 9, 25 ft. N. and 130 ft. E. from junction of State Highway 41, at cut-off on Highway 41, on N. end of W. concrete head wall of culvert; chiseled square	752.74
Marshall, about 3.5 mi. E. of, 33 ft. N. and 33 ft. W. from highway at crossroad, 3 ft. N. and 12 ft. W. from steel post in fence corner, in concrete post; standard tablet stamped "1091 C W A 1934"	724.451
Marshall, about 2.8 mi. E. of, 45 ft. W. and 20 ft. W. from junction of rd. N., on S. end of W. concrete head wall of culvert; chiseled square	755.81
Marshall, 2 mi. E. of, at bridge F-69 over Salt Fork Creek, on base of E. end of N. railing; chiseled square	658.10
Marshall, in E. part of, NW. of, intersection of Eastwood Avenue and rd. N. to Missouri State School; top of fire hydrant	759.36