

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

14

Bulletin 916

TRANSIT TRAVERSE IN MISSOURI

1900-1937

J. G. STAACK
Chief Topographic Engineer

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



OHIO STATE
UNIVERSITY

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1940

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B9

no. 916

pt. 1

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STATE OF
VERMONT

CONTENTS

[The letters in parentheses preceding the titles are those used to designate
the parts for advance publication]

	Page
(A) Southeastern Missouri, 1903-37 (published in December 1939)	1
(B) South-central Missouri, 1908-37 (published in January 1940)	125
(C) East-central Missouri, 1903-37 (published in March 1940)	297
(D) Northwestern Missouri, 1911-37 (published in August 1940)	441
(E) Southwestern Missouri, 1900-1937	565
(F) Northeastern Missouri, 1900-37	733
(G) Central Missouri, 1902-37	869
(H) West-central Missouri, 1906-37	1025

ILLUSTRATIONS

	Page
PLATE 1. Standard Geological Survey station marks and bench marks	
IV (of each part)	
FIGURES 1-16. Each part contains two figures, an outline map of Missouri showing names and relative position of the eight sections of the State covered by Bulletin 916, and an index map showing the quadrangles into which each of these sections has been divided...	VIII, IX (of each part)

III

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Bulletin 916-A

TRANSIT TRAVERSE IN MISSOURI

PART 1. SOUTHEASTERN MISSOURI

1903-37

J. G. STAACK
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CONTENTS

	Page
Introduction.	III
Scope of report.	III
Cooperation.	III
Classification of transit traverse	III
Adjustments.	IV
Station marks.	IV
Azimuth marks and supplemental points.	VI
Preservation and restoration of station marks.	VI
Datum.	VI
Location of the area	VII
Index map.	VII
Diagrams of quadrangles showing routes of transit traverse	VII
Personnel.	VIII
Explanation of tabulation of geodetic positions.	IX
Transit traverse.	1
Index	XI

ILLUSTRATIONS

Plate 1. Geological Survey station marks.	IV
Figure 1. Outline map of Missouri showing the names and relative position of the eight sections covered by the parts of Bulletin 916, on transit traverse in the State.	VIII
2. Index map of southeastern Missouri showing the quadrangles into which this section of the State has been divided	IX

TRANSIT TRAVERSE IN MISSOURI

PART 1. SOUTHEASTERN MISSOURI, 1903-37

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 transit traverse* done in Missouri through 1937 by the Geological Survey, United States Department of the Interior, including those heretofore published. (See page X.) 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 geodetic positions have been determined are listed according to the quadrangles in which the points occur. Results of transit traverse other than that done by the Geological Survey have not been included.

Cooperation.—The State has contributed financially to the work of transit traverse 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 horizontal control in the State. For these projects the United States Geological Survey has furnished equipment and supervision as its share of the cooperation.

Classification of transit traverse.—Lines of transit traverse are classified with respect to the degree of refinement in the instruments and methods used and according to the magnitude of the closure errors. The lines are run in loops or are connected at each end to triangulation or transit traverse of the same or higher order. When started from and ended upon adjusted positions, lines of transit traverse are required to close within the limitations prescribed by the Federal Board of Surveys and Maps,** which are as follows:

First-order, 1 part in 25,000
Second-order, 1 part in 10,000
Third-order, 1 part in 5,000
Fourth-order, 1 part in less than 5,000

Fourth-order traverse, employing the use of transit or compass for direction and paced, taped, or stadia measurements for distance, is utilized by the Geological Survey for plotting topographic detail in mapping operations only; it is not used as geodetic control, and the points determined are not marked by standard tablets.

All transit traverse run by the United States Geological Survey in Missouri is of third-order accuracy unless otherwise stated.

* Formerly designated primary traverse.

** See "Specifications for horizontal and vertical control," approved by the Board May 9, 1933.

Adjustments.—The computing of traverse begins with an adjustment of the azimuths of courses, as first determined through the measured angles between them, so that they will be consistent with the azimuths obtained by frequent observations made upon the sun or Polaris. With azimuths thus adjusted, and with taped distances corrected for the temperature of the tape, latitudes and departures are computed; these are accumulated for sections of the traverse between marked points and are converted into differences of geodetic latitude and longitude, which are then applied successively, making it possible to carry computed positions through the line from its initial point. A line of traverse beginning at one previously established position and closing upon another usually does not fit exactly between them. The discrepancy thus developed at the end of the line is called the error of closure, and, if not excessive, it is prorated back through the line.

Generally, however, the circumstances of adjustment are not so simple; the lines are run in complicated nets, with many junction points that are not already fixed in position. The adjustment of any one line then depends upon the adjustment of the others in the net. Such nets of traverse lines are adjusted by a method of least squares, so that all links in the net may simultaneously exert their influence proportionately in attaining the result. The coordinates published in this bulletin, having been based upon or brought into agreement with the best information available for the fundamental triangulation and higher orders of transit traverse, are likely to be changed only slightly by future adjustments.

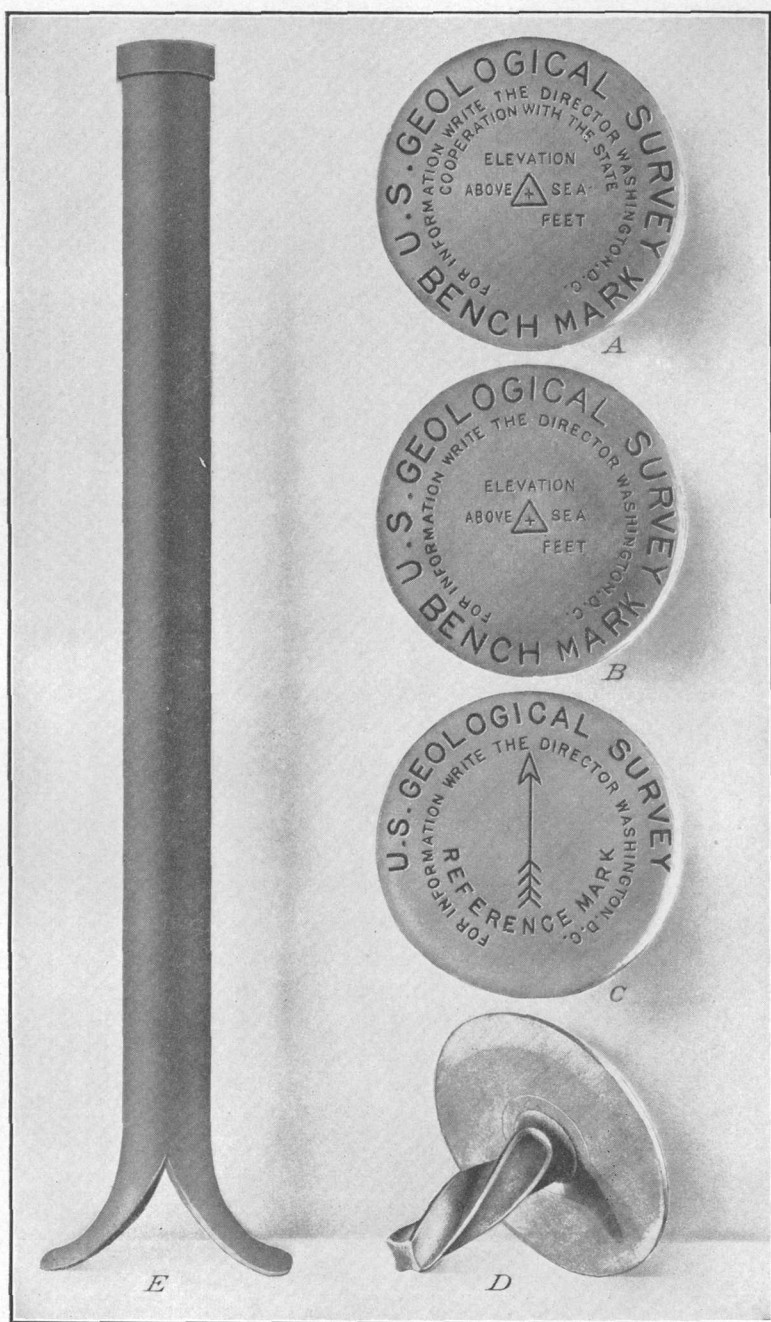
For some of the topographic mapping in Missouri, lines of transit traverse run by the Interstate Commerce Commission for railroad evaluation surveys were used as auxiliary control. In adapting the surveys to this purpose, for which they were not primarily intended, it was necessary to connect independent sections, to tie them to established geodetic positions, and to observe true azimuths at intervals along their routes, in order that transcriptions from the field notes could be recomputed to yield the geodetic positions required.

While the original surveys were undoubtedly well done, the complications involved in the recovery of stations and in recomputations introduced minor inconsistencies which often resulted in excessive closure errors. It is recommended, therefore, that the positions of points in these lines as published in this bulletin be used with caution, particularly where a footnote indicates that an excessive closure was found.

Station marks.—The station marks used by the United States Geological Survey (pl. 1) consist of iron posts and bronze or aluminum tablets of the same form and design as those used as principal benchmarks along lines of leveling. They are placed at intervals of about three miles at sites selected for accessibility and permanence.

The tablets are circular in shape, measure $3\text{-}7/8$ 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 years of the earlier surveys the tablets used 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 were 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

*See Birdseye, C. H., Topographic instructions of the United States Geological Survey: U. S. Geol. Survey Bull. 788, pp. 112-116, 1918.



STANDARD GEOLOGICAL SURVEY STATION MARKS AND BENCH MARKS.

A and *B*. Standard tablets used for triangulation, transit traverse, and leveling where rock or masonry is available to hold them; *A* is used in cooperating States. *C*. Standard reference tablet used in triangulation; the arrow points to the station to which this mark refers. *D*. Under side of *A*, *B*, and *C* showing twisted shank which holds tablet in place. *E*. Standard iron post fitted with bronze cap bearing an inscription similar to that on a standard tablet, formerly used in transit traverse and leveling where no rock was available; superseded by concrete post with tablet set in top.

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 traverse- or triangulation-station marks but also as benchmarks. 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 station marks may have been set as such or they may have been originally established as benchmarks. 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 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 Bulletin 898, instead of accepting the stamped figures. If the appropriate part of the 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 or are often destroyed by rust at the ground level.

Azimuth marks and supplemental points.—When practicable two or more reference points have been observed in the immediate vicinity of each station mark from which azimuths may be found for future use. Such points as church steeples, windmills, water tanks, or copper nails within triangles blazed on large trees have been utilized for this purpose.

Geodetic coordinates have also been determined for road or highway junctions and intersections, railroad stations and crossings, mileposts, and stream crossings.

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

Datum.—Horizontal control surveys for the earlier topographic maps made by the United States Geological Survey were expanded as local projects by small arcs of triangulation based upon regional astronomic stations* purposely established to meet such needs.

Later, additional arcs were expanded from locally adjusted positions referred to the astronomic datums of these original projects. This process eventually led to difficulty when the triangulation based on the datum of one region was connected to that based on the datum of another region. It was then found that the closing arc was forced to receive excessive corrections.

Eventually the arcs of first- and second-order triangulation were extended throughout the country so as to form a comprehensive net of such extent and strength that when adjusted it provided one consistent general datum. Using this framework, it was then possible to readjust the earlier local projects on a more uniform and rigid basis. The adjustment of the first-order net as a whole included and represented the averaged results of all available astronomic observations.

Geodetic coordinates resulting from and affected by this adjustment of the first- and second-order triangulation were distinguished from the coordinates accepted as the result of previous adjustments by being referred to the "U. S. standard datum." Subsequently, arcs of triangulation in Canada and in Mexico were adjusted to agree with the net in the United States, and the designation U. S. standard datum was changed to North American datum. For stations in the United States no corrections to coordinates were made as a result of the change in the designation.

*See Woodward, R. S., Latitudes and longitudes of certain points in Missouri, Kansas, and New Mexico: U. S. Geol. Survey Bull. 49, p. 10, 1889. See also Triangulation and spirit leveling—Missouri: U. S. Geol. Survey 18th Ann. Rept., pt. 1, pp. 143-144, 1897.

In 1927 the United States Coast and Geodetic Survey began a complete readjustment of the entire first-order triangulation net, which by that time contained a great many arcs of triangulation that were done after the first general adjustment was completed. The readjustment changed the coordinates of triangulation stations throughout the country. The new datum resulting from this change is referred to as the "North American datum of 1927."

Transit traverse was first used by the United States Geological Survey in 1889 to provide control for a mapping project in northern Missouri. It was adopted as a method of establishing horizontal control to supplant triangulation in wooded or cultivated regions in which the scant relief in topography rendered the continuation of triangulation for mapping requirements slow, costly, and deficient in the number and distribution of stations and useful supplemental points. The regulations of the United States Geological Survey at that time specified that the traverse lines be started and ended either at an astronomic station or at a triangulation station. Thus the changes in datum made in the triangulation net have necessitated corresponding changes in the transit traverse net.

The published results of transit traverse done by the United States Geological Survey contain coordinates referring to one or another of the datums described here, according to the date of the computation or publication. Many of the earlier lines were corrected from their original astronomic datums to the U.S. standard datum soon after the basic coordinates referred to the latter became available. Recently much work has been done to make the coordinates of all transit-traverse stations and supplemental points refer to the North American datum of 1927, but the correction of the records probably will not approach completion for a number of years. The latitude and longitude of all triangulation- and transit-traverse stations, reference marks, and supplemental points in Missouri published in this bulletin are referred to North American datum of 1927.

Location of the area.—Southeastern Missouri, as the term is used in this bulletin and as the subject of part 1 of the bulletin, is that section of the State lying south of latitude $38^{\circ}00'$ and east of longitude $91^{\circ}15'$. (See fig. 1.)

Index map.—The accompanying index map of southeastern Missouri (fig. 2) 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 in southeastern Missouri measure 15 minutes in latitude by 15 minutes in longitude.

Maps of many of the quadrangles in southeastern 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 transit traverse.—At the beginning of the list of descriptions and positions of stations for each quadrangle is a diagram showing the routes followed by the lines of transit traverse 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 transit traverse of the United States Geological Survey. To each of these is assigned a number, and the same number is assigned to the list of descriptions and positions of stations along that route.

Personnel.—The transit traverse of the United States Geological Survey in southeastern 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 and positions of stations established along any line of transit traverse are the name of the traverseman who ran that line and the date when it was run.

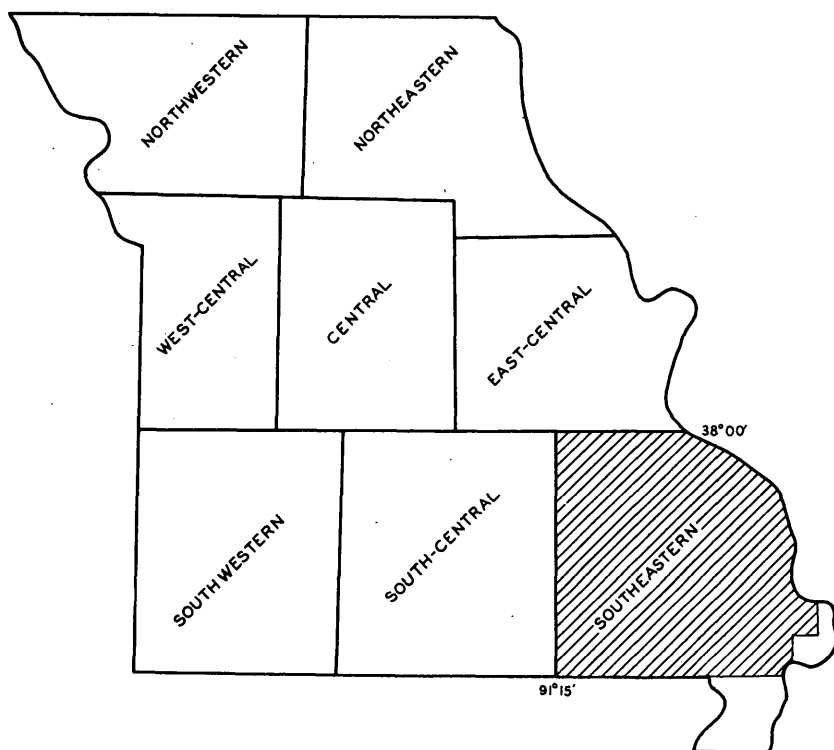


Figure 1.—Outline map of Missouri showing the names and relative position of the eight sections covered by the parts of Bulletin 916, on transit traverse in the State. The shaded portion represents the section designated as southeastern Missouri, and the white areas within this portion represent tracts where no transit traverse has been done by the United States Geological Survey.

If this information has been omitted, it may be assumed that the traverseman and the date are the same as those indicated for the line immediately preceding. The adjustment of the transit-traverse net was done partly by J. R. Ellis, associate geodetic engineer, assisted by P. W. Goin, junior engineer, in the Washington office and partly by engineers in the field office at Rolla, Mo. The revision, correlation, and compilation of the descriptions and positions of stations was done at Rolla by employees of the Works Progress Administration of Missouri, who also assembled the lists and made new typewritten copies of them suitable for reproduction by photography. The work at Rolla

was sponsored by the Missouri Geological Survey and Water Resources and was in charge of W. R. Broadbuss, of the United States Geological Survey. The work in the Washington office was under the supervision of R. M. Wilson, chief of the section of computing, under the general direction of J. G. Staack, chief topographic engineer.

Explanation of tabulation of geodetic positions.—In the text that follows, the description of each station or supplemental point is followed by its geodetic coordinates and the straight-line diagonal distance in feet between it and the preceding station or supplemental point. The latitude and longitude of each standard station mark is given,

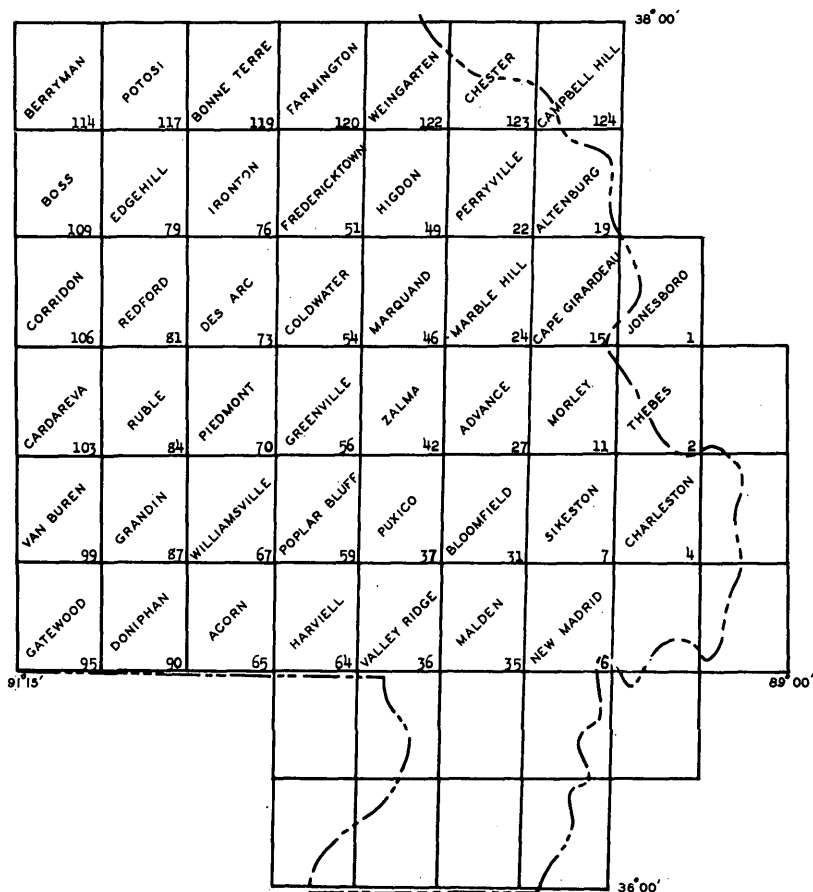


Figure 2.—Index map of southeastern Missouri showing the quadrangles into which this section of the State has been divided. The number in a quadrangle is that of the page of this bulletin on which the list of positions in that quadrangle begins. No transit traverse has been done by the United States Geological Survey in those quadrangles in which no name appears.

with few exceptions, to hundredths of seconds, and the coordinates for supplemental points, such as crossroads and mileposts, are given to tenths of seconds.

For obvious reasons no distance to a preceding station is given with the coordinates for the actual starting point of a traverse line. However, if an entry in the distance column appears in parentheses at the beginning of a line, it indicates that the traverse is continuous but that the preceding station is in an adjoining quadrangle and its description and coordinates may be found in the appropriate list. No descriptions are

repeated. Stations at traverse junctions are fully described in the line in which they first appear and are thereafter referred to by their designation followed by the parenthetical phrase "(previously described)." The coordinates of the closing station of a traverse are repeated, and the last diagonal distance is indicated.

TRANSIT TRAVERSE IN MISSOURI PREVIOUSLY PUBLISHED

- Triangulation and spirit leveling, Missouri: U.S. Geol. Survey, 19th Ann. Rept., pt. 1, pp. 158-160, 1898.
- Results of primary triangulation and primary traverse, fiscal year 1900-1901, Missouri: U.S. Geol. Survey Bull. 181, pp. 165-170, 1901.
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INDEX

	Page		Page
Acorn quadrangle	65-66	Cabaniss, D. R., traverse by	5-6, 9-10, 31, 35, 40-41, 60-63, 64-65, 68
Adjustment of transit traverse	IV	Cadet	120
Advance	28, 30	Caledonia	118
Advance quadrangle	27-30	Camp triangulation sta	100
Aid	39	Campbell Hill quadrangle	124
Alhambra Church	38	Canalou	9
Allbright	46	Cane Creek (tributary to Black River)	64, 69
Alliance	22	Cane Creek (tributary to Byrd Creek)	16, 24
Altensburg	21	Cane Creek School	68
Altensburg quadrangle	19-21	Caney Creek (village)	14
Annapolis	73, 74, 75, 84	Caney Fork Church	25
Antioch Church	54	Cape Girardeau	15, 16
Apple Creek	21	Cape Girardeau quadrangle	15-18
Appleton	20	Cape La Croix Creek	15
Aquilla	31, 32	Cape Rock	1
Arab	44	Cardareva quadrangle	103-105
Arbor	27	Carter	70
Arcadia	74, 77, 78	Carter School	52
Arceola	31	Cassil, L. A., traverse by	96, 100-101
Ash Hill (village)	37	Castor River	9, 28, 42, 43
Asheville	41	Cedar Creek	56
Avon	121, 123	Cedar Fork Church (Chester quadrangle)	124
Azimuth marks and supplemental points, establishment of	VI	Cedar Fork Church (Higdon quadrangle)	50
Bainbridge	1	Centerville	81, 82, 83, 107
Bardley	96	Chaffee	14
Barren Creek	111	Chaonia	58, 59
Bay Springs Church	65, 68	Charleston quadrangle	4-5
Beal	105	Charter oak	6
Bear Creek	56	Cherryville	114
Beardsley, C. H., traverse by	112, 116	Chester quadrangle	123-124
Beinlich, J. J., traverse by	97-99, 103, 108-109, 119	Chicopee	99
Belgrade	118	Chilton	87-88
Bell City	29	Chloride	73, 74
Bell triangulation sta	30	Cinque Hommes Creek	22
Bellevue	76	Clark Creek	71
Bement School	5	Classification of transit traverse	III
Bennett	91, 92, 96, 102	Clear Spring School	104
Benton	13	Clearwater (sta.)	70
Berry triangulation sta	65, 66	Cliff	27
Berryman quadrangle	114-116	Clubb	56
Biehle	23	Coker School	15
Big Barren Church	102	Coldwater	55, 56
Big Creek	75	Coldwater quadrangle	54-56
Big Four School	47	Collins School	74
Big Lake triangulation sta	5	Cooperation	III
Big Spring School	24	Cornwall	49
Bismarck	119	Corridon	106
Black River	62, 72, 82	Corridon quadrangle	106-109
East Fork of	79	Courthouse triangulation sta	15
Blodgett	2, 12	Courtois	116
Blomeyer	11	Craig, C. D., traverse by	83, 107, 111, 118
Bloomfield	31, 33, 37	Crooked Creek	25
Bloomfield quadrangle	31-34	Crosstown	19
Bloomsdale	122	Crossville Church	111
Bluewater School	62-63	Crowder	9
Bonne Terre quadrangle	119-120	Cummings	99
Boss	110-111	Current River	99
Boss quadrangle	109-113	Cypress Creek	66
Bounds	57	Dale	41
Boyd triangulation sta	36	Dagonia	106
Brazil	115	Datum of positions	VI-VII
Brazil Creek	115	De Lassus	120
Briar Creek (village)	97	Delta	11
Brick House triangulation sta	124	Des Arc	73, 75
Bright Prospect Church	43	Des Arc quadrangle	73-75
Broadus, W. R., traverse by	65-66, 68-70, 72, 83, 85-87, 88-89, 90-91, 95-96, 106-107	Devils Toll Gate	76
Brooks triangulation sta	90, 92	Dexter	33, 38
Brownwood	28	Diagrams of quadrangles	VII-VIII
Brunot	75	See also individual quadrangles	
Buchanan	43	Dillard	110, 114, 116
Buck Creek	62	Dillard triangulation sta	116
Buckeye	5	Ditch triangulation sta	7, 9
Buckhorn	46, 55	Dodd triangulation sta	96
Buffalo School	92	Doe Run	52
Bunker	107, 108, 111	Doe Run Creek	53
Bunker triangulation sta	107	Doe Run Junction	120, 122
Burfordville	24, 26	Dongola	28
Busick	99		
Byrd Creek	18		

	Page		Page
Doniphan.	65, 90, 91, 92-93	Higdon quadrangle.	49-50
Doniphan quadrangle.	90-94	Hilliard.	62
Drunken Creek.	26	Himmel.	33
Duck Creek.	44	Hobart.	108
Dudley.	39-40	Hofner triangulation sta.	3
Durnell.	32	Hog Creek.	26
Dutchtown.	17	Hogan.	76
Eaglette.	42	Holliday Creek.	58
Eastwood.	101	Honolulu School.	106
Ebenezer Church.	54	Howe Mill School.	111
Edgehill quadrangle.	79-80	Hubble Creek.	116
Eleven Point River.	96	Hughes Creek.	20
Elizabeth Church.	91	Hunter.	87, 88, 89
Elledge, W. C., traverse by.	2-5,	Hunter Creek.	56
7-9, 12-14, 27, 30, 34,		Hunterville.	34
44-45, 48, 58-59, 63,		Hurricane Creek.	98
82, 84, 85, 86		Huskey School.	26
Ellington.	22, 46, 49-50, 51,	Huzzah.	115
Ellis, J. R., traverse by.	76, 79-80, 81, 109-110, 114,	Huzzah Creek.	110, 115
117, 119-120, 121, 122-124			
Ellsinore.	67, 69, 87, 89	Idalia triangulation sta.	33, 34
Eureka School.	20	Idlewild.	42
Exchange.	104	Ilmo.	13
Fagan School.	38	Indian Creek.	1, 16
Fairdealing.	66	Interstate Commerce Commission,	
Fairview School.	10	transit traverse by.	IV
Farmington.	121	Iron Mountain (village).	77
Farmington quadrangle.	120-122	Ironton.	77, 78
Federal Board of Surveys and Maps,		Ironton quadrangle.	76-78
limitations prescribed by.	III		
Federal Emergency Relief Administra-		Jackson.	16
tion, cooperation with.	III	Jaydee.	121
Ferrys.	59	Jed Smith School.	89
Fisher, C. R., traverse by.	11, 18,	Jenkins Basin.	30
27-28, 37, 42, 59-60,		Jewett.	75
67-68, 70-71, 73-75,		Job.	95-96
76-77, 80, 82-83, 84-85,		Jonca Creek, North Fork of	121
87-88, 99-100, 104-105		Jonesboro quadrangle.	1-2
Fisk.	40	Juden Creek.	1
Flatwoods.	65	Junction triangulation sta.	88, 89
Flatwood School (Perryville quad-		Junland School.	61
rangle).	23		
Flatwood School (Zalma quadrangle).	43	Keener.	68
Flora Creek.	1	Kinder.	42
Floral triangulation sta.	1, 2	Krattler, G. L., traverse by.	105, 111
Floyd.	117		
Fredericktown.	51-52, 53, 54	La Valle.	35
Fredericktown quadrangle.	51-53	Ladero.	60
Fremont.	99-100	Lafin.	25-26
French Mills (village).	55, 75, 121	Lake Killarney.	78
Frisco.	34	Lambert School.	33
Frizzell Branch.	52	Latty.	117, 118
Frohna.	21	Lawson, J. M., traverse by.	10, 29-30, 31-34,
Fry School.	43	35-36, 37-40, 44, 120	
Fulbright School.	25	Leavitt, J. B., traverse by.	18,
		19-21, 23, 24-25, 50,	
		70, 72, 86	
Gads Hill (village).	71	Leora.	29, 32, 38, 44
Garwood.	86	Lesterville.	79, 80, 82, 83
Gatewood.	97-98	Libertyville.	51
Gatewood quadrangle.	95-99	Lick Creek.	33
Gerler.	21	Little Black River.	66, 90
Gladdendale School.	83	Little Brushy School.	63
Glenallen.	48	Little Pilot Knob.	117
Glover.	74	Little River.	6, 7, 10
Goodland.	80, 112, 113	Little St. Francis River.	52
Gordonville.	17	Little Whitewater River.	26
Grandin.	69, 88	Location of the area.	VII
Grandin Junction.	87	outline map showing.	VIII
Grandin quadrangle.	87-89	Lodi.	56
Granite Bend.	70	Logan Creek.	86
Grassy.	48	Lone Cedar School.	106
Grayridge.	54	Lone Hill Church.	66
Greeley.	111-112	Lost Creek.	58
Green Cox.	28	Loughboro.	120
Greenbrier.	42	Lovejoy Creek.	21
Greenville.	57, 58, 72	Low Wassie.	100
Greenville quadrangle.	56-59	Lower Doe Run School.	86
Grindstaffe.	49	Lowndes.	45, 58
Gross, H. W., traverse by.	91-92	Lukefahr School.	23
Gulf Junction (village).	17	Lusk Chapel.	3
		Lutesville.	25, 28, 47, 48
Hager School.	20		
Hahn.	45	Malden quadrangle.	35
Hamestring School.	26	Mallow School.	115
Hanson.	88	Maple Grove School.	24
Harviell quadrangle.	64	Marble Hill School (Poplar Bluff	
Heitmans Mill.	49	quadrangle).	62
Hendrickson.	60	Marble Hill (town).	26
Hickory Grove School (Greenville		Marble Hill quadrangle.	24-27
quadrangle).	58	Marcot.	111
Hickory Grove School (Van Buren		Marquand.	46, 47
quadrangle).	102	Marquand quadrangle.	46-48
		Martin triangulation sta.	68

	Page		Page
Matthews.	5, 10	Quadrangles in southeastern Mis-	
Maulsby.	35	souri, index map showing.	IX
McGee.	43	maps of, how to obtain.	VII
McKenzie Creek.	71	See also descriptions and dia-	
McNair, E. L., traverse by.	81-82,	grams under individual	
	84, 103-104,	quadrangles.	
Messler.	29	Radford School.	106
Middlebrook.	77	Randles.	29
Midridge.	109	Randol School.	16
Mill Spring (village).	70, 72	Rat.	108
Millcreek.	53	Redford.	82, 83-84,
Millheim.	23	Redford quadrangle.	81-84,
Mine La Motte.	51	Reynolds.	106-107
Miner.	8	Riverside School.	85
Mingo.	37	Riverton.	98
Minimam.	74	Rock Creek School.	51
Missouri Geological Survey and Water		Rock Levee.	37
Resources, cooperation with.	III, IX	Rocky Creek Falls.	105
Missouri State Highway Commission,		Rombauer.	61
cooperation with.	III	Roselle.	78
Missouri, transit traverse in, ear-		Ruble quadrangle.	84-87
lier publications on.	X	Sabula.	73
Moccasin Springs (village).	1	Saco.	54, 55
Montay triangulation sta.	101	St. Francis River.	51, 52,
Morehouse.	7, 9		57, 63, 71, 77, 122
Morgan School.	95	Salcedo.	7
Morley.	12	Saline Creek.	22
Morley quadrangle.	11-14	Sand Spur.	11
Morley triangulation sta.	12	Sanders, J. L., traverse by.	12, 25-27,
Munger.	79		28-29, 31, 37, 42-44,
Myrtle.	96, 99		46-47, 51-58, 60,
			71-72, 75, 77-78, 110,
Nash.	11		114-116, 118, 122
Neelys Landing (village).	1, 18, 19	Sawyer.	61
New Bethel Church.	19	Schnurbusch Church.	20
New Hamburg.	14	Scope of report.	III
New Home Church.	54	Scopus.	26
New Madrid quadrangle.	6	Sedgewickville.	23, 25
		Seventysix.	21
Oak Ridge (village).	18, 19, 25	Shady Grove School.	52
Oakgrove School.	86	Sharpsboro.	11
Oates.	113	Shawnee.	105
Ojibway.	59	Shook.	58
Orchard Switch.	67	Short.	88, 89, 101
Oricle.	16	Sikeston.	7, 8, 10
Ozark store.	66	Sikeston quadrangle.	7-10
Ozora.	122	Sikeston triangulation sta.	7, 8
		Silva.	57
Paint Rock Creek.	105	Silver Lake (village).	22
Palmer.	114, 118	Silver Springs (village).	119
Parker, R. H., traverse by.	110-111, 112	Simpson School.	104
Parks Branch.	53	Simpson triangulation sta.	21
Patterson.	71	Sinking Creek.	82
Patton.	23, 46, 47, 49	Sitzke store.	14
Pecan Grove School.	17	Sloan Creek.	15
Perkins.	29	Starland.	21
Perryville.	22	Station marks, classes of.	IV
Perryville quadrangle.	22-23	forms of.	IV-VI, pl. 1
Personnel.	VIII	how set.	IV-VI
Piedmont.	70-71, 85	preservation and restoration of.	VI
Piedmont quadrangle.	70-72	Stegall triangulation sta.	105
Pilot Knob.	77	Stouts Creek.	77
Pine.	96-97	Sturdivant.	42
Pine Creek.	52	Swinton.	29
Pine Ridge Camp.	70		
Pine Valley School (Cardareva quad-		Tanner.	9, 60
rangle).	105	Tatum, Sledge, traverse by.	114,
Pine Valley School (Ruble quadrangle)	85		117-118, 121
Pine Valley School (Williamsville		Terre Bleue Creek.	121
rangle).	69	Thebes quadrangle.	2-3
Pitt.	21	Thompson Chapel.	69
Platow.	71	Three Rivers Baptist Church.	121
Pleasant Hill Christian Church.	118	Three Springs School.	60
Pleasant Hill School.	98	Tilsit.	17, 24
Pocahontas.	19	Tom Sauk Creek.	79
Ponder.	93	Toppertown.	32
Poor triangulation sta.	31, 33	Tram triangulation sta.	102
Poplar Bluff.	61, 62, 68, 69	Transit traverse, adjustment of.	IV
Poplar Bluff quadrangle.	59-63	classification of.	III
Positions, datum of.	VI-VII	in Missouri, earlier publica-	
tabulation of.	IX-X	tions on.	X
Possum Trot Creek.	115	Tucker.	98
Posts, use of, to hold tablets.	V	Turner's mill.	103
Potosi.	117, 118	Twelvemile.	54
Potosi quadrangle.	117-119	Twelvemile Creek.	54
Poynor.	92, 94		
Pulaski.	66	Ulam.	123
Pumping triangulation sta.	15	Uniontown.	20
Puxico.	37, 39	Upalika.	67
Puxico quadrangle.	37-41		

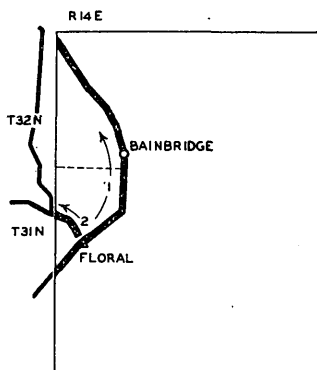
	Page		Page
Valley Ridge quadrangle	36	Williams, C. W., traverse by . . .	66,
Vulcan	73	75, 83-84, 89, 91,	
Van Buren	87, 99, 101, 104	92-94, 96-98, 101-103,	
Van Buren quadrangle	99-103	107-108, 109, 112-113	
Vanduser	8	Williamsville	67, 68
Vause triangulation sta.	123	Williamsville quadrangle	67-70
Walker Branch	79	Wilson, J. H., traverse by . . .	19, 22, 124
Walker Chapel	43	Wittenberg	21
Wappello	37, 43, 59	Wolf Creek	29
Ward School	12	Works Progress Administration, co-	
Warm Springs, Ark.	98	operation with	III, VIII
Weingarten	122	Yoakum, B. H., traverse by 1-2, 11, 15-17, 24, 27	
Weingarten quadrangle	122-123	Yount	49
West Fork (village)	107, 111, 112-113	Zadock	31
Westmoreland Church	13	Zalma	43, 45
Westover	114	Zalma quadrangle	42-45
Whitewater	24, 28	Zeta	32
Whitewater River	11, 25, 29	Zion Church (Bloomfield quadrangle)	32
Wilby	62	Zion Church (Coldwater quadrangle)	54
Wilderness	100-101, 103		



TRANSIT TRAVERSE

JONESBORO QUADRANGLE *
(Latitude 37°15'-37°30'; longitude 89°15'-89°30')

Cape Girardeau County



1. FROM CAPE GIRARDEAU QUADRANGLE NORTHEAST, NORTH, AND NORTHWEST ALONG
ST. LOUIS-SAN FRANCISCO RAILWAY INTO CAPE GIRARDEAU QUADRANGLE
(by B. H. Yoakum in 1920)
(Continued from Cape Girardeau quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Cape Rock, R.R. at Mississippi River pilot light-	37 19 41.1	89 29 42.8	(2,090)
Trestle 128.5, center of -----	37 20 12.5	89 29 32.1	3,296
Juden Creek, S. end of trestle 127.9 over -----	37 20 28.8	89 28 45.5	4,109
Floral triangulation sta.; M.R.C.** stone post designated "Floral" -----	37 20 50.33	89 28 28.15	2,589
R.R. at rd. crossing, 30 ft. SW. of trestle 126.9, 190 ft. W. of stone on line between secs. 14 and 23, T. 31 N., R. 14 E. -----	37 21 08.4	89 27 59.0	2,977
E. rail at milepost 126 -----	37 21 38.3	89 27 16.7	4,564
R.R. at rd. crossing, near S. end of bridge over Flora Creek -----	37 21 55.7	89 26 36.4	3,697
Flora Creek, wagon bridge over -----	37 21 56.4	89 26 27.8	694
M.R.C. stone post designated "15/3" -----	37 21 51.14	89 25 58.99	2,388
Rd. crossing (previously described) -----	37 21 55.7	89 26 36.4	.....
R.R. at E.-W. rd. crossing -----	37 22 33.0	89 26 18.0	4,050
T. 31 N., R. 14 E., E. cor. secs. 1 and 12, flat stone at SW. corner of blacksmith shop of George Thompson -----	37 22 54.0	89 26 12.8	2,152
14-F triangulation sta.; M.R.C. iron post designated "14-F" -----	37 23 30.14	89 26 02.07	3,764
Bainbridge, 1 mi. S. of, center of trestle 123.0- Tps. 31 and 32 N., Rs. 14 and 15 E., cor. of, intersection of fences along drain -----	37 23 51.8	89 26 04.6	2,198
Trestle 123.0 (previously described) -----	37 23 51.4	89 26 08.4	309
Bainbridge, main track in front of sta. -----	37 24 36.3	89 26 11.4	.....
12-F triangulation sta.; M.R.C. iron post designated "12-F" -----	37 24 41.89	89 26 11.05	4,524
T-fence E., near cor. secs. 25, 30, 31, and 36, T. 32 N., Rs. 14 and 15 E. -----	37 24 42.7	89 26 14.0	527
10-F triangulation sta.; M.R.C. iron post designated "10-F" -----	37 25 12.59	89 26 17.73	259
6-F triangulation sta.; M.R.C. iron post designated "6-F" -----	37 25 42.44	89 26 21.83	3,042
E. rail at milepost 120 -----	37 26 20.7	89 26 47.1	3,038
Moccasin Springs sta., 0.5 mi. S. of, on E. side of R.R., Mississippi River pilot light ---	37 26 43.8	89 27 04.1	4,370
Moccasin Springs sta., R.R. at switch stand and sta. signboard -----	37 27 02.8	89 27 26.8	2,710
E. rail at S. end of trestle 118.0 -----	37 27 37.2	89 28 10.0	2,655
Trestle 117.2, center of, near old stone quarry -	37 28 11.1	89 28 41.0	4,927
Iron post (designation unknown) -----	37 28 44.98	89 29 06.94	4,241
Indian Creek, center of bridge over -----	37 28 55.3	89 29 24.2	4,015
Neelys Landing, 0.8 mi. S. of, E. rail at cross- ing of old rd. to field -----	37 29 18.07	89 29 45.11	1,741
			2,853

*The greater part of this quadrangle lies in Illinois.

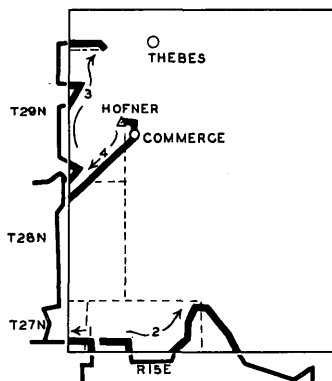
**Mississippi River Commission.

TRANSIT TRAVERSE IN MISSOURI

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
2. FROM SEC. 22, T. 31 N., R. 14 E., NORTHWEST INTO CAPE GIRARDEAU QUADRANGLE AT SEC. 16, T. 31 N., R. 14 E. (by B. H. Yoakum in 1920)			
Floral triangulation sta. (previously described)-	37 20 50.33	89 28 28.15	.....
Rd. forks -----	37 21 18.9	89 28 46.8	3,257
Private lane SW. to dwelling of Jerry Hobbs at			
crossing of Juden Creek -----	37 21 46.4	89 29 25.4	4,178
(Continued in Cape Girardeau quadrangle; see line 2.)			

Magnetic declination in 1921, 4°30'E.

THEBES QUADRANGLE *
(Latitude 37°00'-37°15'; longitude 89°15'-89°30')
Mississippi and Scott Counties



1. FROM CHARLESTON QUADRANGLE AT SEC. 7, T. 27 N., R. 15 E., WEST
INTO MORLEY QUADRANGLE AT SEC. 1, T. 27 N., R. 14 E. (by
W. C. Elledge in 1931)
(Continued from Charleston quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 27 N., R. 14 and 15 E., quarter cor. between secs. 7 and 12, rd. at fences E. and W. -----	37 00 04.6	89 29 02.5	(4,915)
Blodgett, 2.5 mi. E. of, 50 ft. N. and 13 ft. E. of T-rd. E. at W. cor. secs. 6 and 7, T. 27 N., R. 15 E., 13 ft. E. of T-rd. W. at E. cor. secs. 1 and 12, T. 27 N., R. 14 E., in concrete post; standard tablet stamped "T T 10 E 1931" -----	37 00 31.30	89 29 02.58	2,700
Drainage ditch, center of wooden bridge over ----	37 00 31.1	89 29 50.2	3,865
(Continued in Morley quadrangle; see line 4.)			

2. FROM SEC. 6, T. 27 N., R. 15 E., NORTHEAST TO SEC. 1, T. 27 N.,
R. 15 E., THENCE SOUTHEAST INTO CHARLESTON QUADRANGLE AT
SEC. 9, T. 27 N., R. 16 E. (by W. C. Elledge in 1931)

T T 10 E 1931 (previously described) -----	37 00 31.30	89 29 02.58	.....
T. 27 N., R. 15 E., quarter cor. between secs. 6 and 7, T-rd. S. -----	37 00 30.7	89 28 32.2	2,468
T. 27 N., R. 15 E., cor. secs. 5, 6, 7, and 8, T-rd. S. -----	37 00 30.8	89 27 59.5	2,650
T. 27 N., R. 15 E., cor. secs. 4, 5, 8, and 9, State Highway 55 at rd. W. -----	37 00 30.9	89 26 54.1	5,300

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

*The greater part of this quadrangle lies in Illinois.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 27 N., R. 15 E., cor. secs. 1, 2, 11, and 12,-			
T-rd. E. -----	37 00 30.6	89 23 34.1	(4,207)
T-rd. E. -----	37 01 10.1	89 23 11.5	4,389
Lusk Chapel, in NE 1/4 sec. 1; T. 27 N., R. 15 E.,			
550 ft. SW. of rd. fork E., 1 ft. E. of SE.			
corner of chapel, in concrete post; standard			
tablet stamped "T T 22 E 1931" -----	37 01 51.92	89 22 57.23	4,387
Rd. fork E. -----	37 01 41.3	89 22 13.3	3,718
T-rd. S. -----	37 00 54.8	89 21 38.4	5,488
T. 27 N., R. 16 E., near quarter cor. between			
secs. 5 and 8, on Mississippi-Scott county			
line, 31 ft. S. of rd., 13 ft. S. and 2 ft.			
W. of corner fence post, in concrete post;			
standard tablet stamped "T T 23 E 1931" -----	37 00 29.11	89 20 49.89	4,717

(Continued in Charleston quadrangle; see line 2.)

3. FROM MORLEY QUADRANGLE AT SEC. 3, T. 28 N., R. 14 E., NORTH TO
SEC. 33, T. 30 N., R. 14 E., THENCE EAST ALONG ST. LOUIS-SAN
FRANCISCO RAILWAY TO MISSISSIPPI RIVER AT POINT OPPOSITE THEEBS,
ILLINOIS (by W. C. Elledge in 1931)

(Continued from Morley quadrangle; see line 6.)

Tps. 28 and 29 N., R. 14 E., on line between			
secs. 3 and 34, rd. at fences E. and W. -----	37 07 37.9	89 29 53.3	(3,220)
(For balance in Morley quadrangle, see line 6.)			
Rd. fork W. -----	37 11 36.2	89 29 58.3	(1,642)
(For balance in Morley quadrangle, see line 6.)			
R.R. at rd. crossing -----	37 13 25.8	89 29 42.4	(4,444)
R.R. at N.-S. rd. crossing -----	37 13 31.1	89 28 31.4	6,024
M.R.C. iron post designated "10/3" -----	37 13 02.41	89 28 22.08	2,995

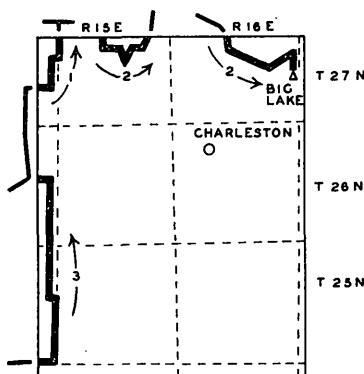
4. FROM SEC. 24, T. 29 N., R. 14 E., SOUTHWEST ALONG ST. LOUIS-SAN
FRANCISCO RAILWAY INTO MORLEY QUADRANGLE (by W. C. Elledge in
1931)

Hofner triangulation sta.; U.S.C. & G.S. standard			
disk designated "Hofner" -----	37 10 05.41	89 27 04.88	.....
M.R.C. iron post designated "9/3" -----	37 10 09.76	89 26 54.50	948
R.R. at N.-S. rd. crossing -----	37 09 16.4	89 26 36.2	5,597
Drainage ditch, center of trestle 146.11 over ---	37 08 33.8	89 27 32.4	6,272
T. 29 N., R. 14 E., in NW 1/4 sec. 36, 48 ft. N.			
and 21 ft. W. of R.R. at rd. crossing, 7 ft. S.			
of corner fence post, in concrete post;			
standard tablet stamped "T T 34 E 1931" -----	37 08 21.43	89 27 49.94	1,886
R.R. at fences E. and W. -----	37 07 38.2	89 28 47.6	6,397
Drainage ditch, center of trestle E-148.6 over --	37 07 00.7	89 29 38.3	5,586
T T 30 E 1931 (In Morley quadrangle; see line 6.)	37 06 18.82	89 30 14.66	5,161

Magnetic declination in 1929, 4°30'E.

TRANSIT TRAVERSE IN MISSOURI

CHARLESTON QUADRANGLE
(Latitude $36^{\circ}45'37''00''$; longitude $89^{\circ}15'89''30''$)
Mississippi, New Madrid, and Scott Counties



1. FROM SIKESTON QUADRANGLE AT SEC. 25, T. 27 N., R. 14 E., NORTH
INTO THEBES QUADRANGLE AT SEC. 7, T. 27 N., R. 15 E. (by
W. C. Elledge in 1931)
(Continued from Sikeston quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T-rd. N. -----	36 57 27.1	89 29 17.5	(4,830)
T. 27 N., R. 14 E., in center of E 1/2 sec. 24, 20 ft. N. and 21 ft. W. of T-rd. W., 2 ft. N. of fence, in concrete post; standard tablet stamped "T T 9 E 1931" -----	36 58 19.56	89 29 18.38	5,302
T-rd. N., 80 ft. E. of wooden bridge over drainage ditch -----	36 58 32.4	89 29 17.9	1,302
Junction of rds., S. point of triangle -----	36 59 06.2	89 29 18.0	3,420
T. 27 N., R. 14 E., E. quarter cor. sec. 13, T-rd. W. -----	36 59 16.0	89 29 01.8	1,639

(Continued in Thebes quadrangle; see line 1.)

2. FROM THEBES QUADRANGLE AT SEC. 8, T. 27 N., R. 15 E., EAST TO
SEC. 18, T. 27 N., R. 17 E. (by W. C. Elledge in 1931)
(Continued from Thebes quadrangle; see line 2.)

T. 27 N., R. 15 E., 440 ft. N. of cor. secs. 8, 9, 16, and 17, 110 ft. S. and 30 ft. W. of junction of State Highway 55 and rd. E., in concrete post; standard tablet stamped "T T 20 E 1931" -----	36 59 42.50	89 26 54.38	(4,895)
North cut drainage ditch, center of iron bridge over -----	36 59 40.3	89 26 37.5	1,387
State Highway 55 from NW.-S. at rd. E., on line between secs. 15 and 16, T. 27 N., R. 15 E. -----	36 59 28.2	89 25 47.5	4,233
T-rd. W. -----	36 59 24.6	89 25 14.5	2,705
T-rd. E. -----	36 58 58.4	89 25 14.2	2,650
T. 27 N., R. 15 E., quarter cor. between secs. 14 and 15, corner of fences E., W., and S. -----	36 59 11.8	89 24 40.6	3,047
T. 27 N., R. 15 E., about 850 ft. W. of quarter cor. between secs. 13 and 14, 40 ft. W. of Charleston-Commerce rd. at lane E., 2 ft. N. and 12 ft. W. of fence corner, in SE. corner of Jacob Jeffries' yard, in concrete post; standard tablet stamped "T T 21 E 1931" -----	36 59 12.08	89 23 43.63	4,619
Wooden bridge over drainage ditch, center of -----	36 59 21.7	89 23 50.1	1,103
Old T-rd. W. -----	36 59 51.3	89 23 51.0	2,993

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

Crossroads -----	36 59 41.1	89 19 50.2	(6,857)
T-rd. S. on line between secs. 15 and 16, T. 27 N., R. 16 E. -----	36 59 28.3	89 19 12.1	3,345
T. 27 N., R. 16 E., about 0.4 mi. N. of cor. secs. 14, 15, 22, and 23, 52 ft. S. and 20 ft. E. of old T-rd. S., 2 ft. N. and 10 ft. E. of corner post, in concrete post; standard tablet stamped "T T 24 E 1931" -----	36 59 09.79	89 18 07.34	5,580
Crossroads -----	36 58 58.2	89 17 14.9	4,412

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Rd. fork S. -----	36 58 49.4	89 16 18.0	4,700
Junction of private rd. SW. -----	36 59 17.8	89 15 39.4	4,253
T-rd. W. -----	36 59 24.2	89 15 13.1	2,227
Big Lake triangulation sta.; U.S.C. & G.S. standard disk stamped "Big Lake" -----	36 59 01.28	89 15 25.09	2,511

3. FROM SIKESTON QUADRANGLE AT SEC. 36, T. 25 N., R. 14 E., NORTH
INTO SIKESTON QUADRANGLE AT SEC. 13, T. 26 N., R. 14 E. (by
D. R. Cabaniss in 1931)
(Continued from Sikeston quadrangle; see line 8.)

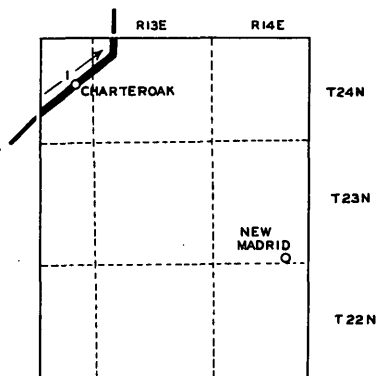
Bridge over drainage ditch, center of -----	36 45 34.0	89 29 33.0	(3,970)
Matthews, 5.5 mi. E. of, along rd. to East Prairie, 25 ft. S. and 30 ft. W. of crossroads at cor. Tps. 24 and 25 N., Rs. 14 and 15 E., 15 ft. W. of large elm tree at entrance to rd. S., in concrete post; standard tablet stamped "T T 15 C 1931" -----	36 45 33.97	89 29 00.28	2,663
T. 25 N., Rs. 14 and 15 E., cor. secs. 25, 30, 31, and 36, T-rd. W. -----	36 46 27.4	89 29 00.6	5,400
T. 25 N., Rs. 14 and 15 E., cor. secs. 19, 24, 25, and 30, T-rd. W. -----	36 47 20.3	89 29 00.1	5,351
T. 25 N., Rs. 14 and 15 E., secs. 13, 18, 19, and 24, 25 ft. N. and 15 ft. W. of T-rd. W. at cor. of, in concrete post; standard tablet stamped "T T 16 C 1931" -----	36 48 12.61	89 28 59.96	5,304
Rd. corner from S.-W. -----	36 49 05.6	89 28 59.4	5,350
T-rd. N. -----	36 49 05.5	89 29 33.8	2,800
T. 25 N., R. 14 E., quarter cor. between secs. 1 and 12, crossroads -----	36 49 57.8	89 29 33.7	5,290
Tps. 25 and 26 N., R. 14 E., quarter cor. between secs. 1 and 36, 2 mi. S. of Bement School, 20 ft. S. and 18 ft. E. of small bridge over drainage ditch, in concrete post; standard tablet stamped "T T 17 C 1931" -----	36 50 51.42	89 29 31.48	5,413
T. 26 N., R. 14 E., quarter cor. between secs. 25 and 36, T-rd. E. -----	36 51 43.6	89 29 32.2	5,290
Crossroads -----	36 52 10.6	89 29 32.2	2,727
Bement School, quarter cor. between secs. 24 and 25, T. 26 N., R. 14 E., 40 ft. W. of rd., 27 ft. S. of large oak tree, 2 ft. N. of fence, in SE. corner of schoolyard, in concrete post; standard tablet stamped "T T 18 C 1931" -----	36 52 36.94	89 29 32.70	2,663
Junction of private rd. W. -----	36 53 17.6	89 29 32.5	4,118
Buckeye, U.S. Highway 60 at rd. S. -----	36 54 16.2	89 29 33.4	5,920
T T 7 E 1931 (In Sikeston quadrangle; see line 1.)	36 54 02.78	89 30 20.33	4,049

Magnetic declination in 1930, 4°45'E.

TRANSIT TRAVERSE IN MISSOURI

NEW MADRID QUADRANGLE *
(Latitude $36^{\circ}30' - 36^{\circ}45'$; longitude $89^{\circ}30' - 89^{\circ}45'$)

New Madrid and Stoddard Counties



1. FROM MALDEN QUADRANGLE NORTHEAST ALONG ST. LOUIS-SAN FRANCISCO
RAILWAY INTO SIKESTON QUADRANGLE (by D. R. Cabaniss in 1931)
(Continued from Malden quadrangle; see line 1.)

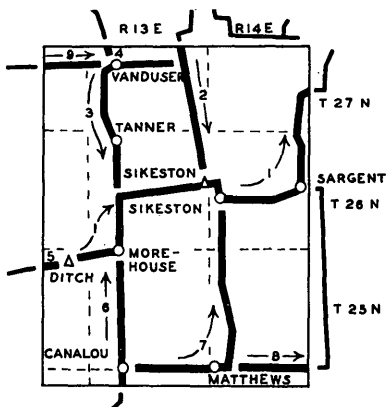
Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
R.R. at rd. crossing, near Claude switch -----	36 41 50.4	89 44 36.9	(3,300)
Drainage ditch, center of bridge 184.2 over -----	36 42 06.9	89 44 15.3	2,428
Large drainage ditch, center of bridge E-183.5 over -----	36 42 33.0	89 43 41.2	3,828
Charteroak, 45 ft. E. of sta., 27 ft. S. of center of track, in concrete post; standard tablet stamped "T T 7 C 1931" -----	36 43 03.10	89 43 01.29	4,456
R.R. at abandoned rd. N. and drainage ditch S on New Madrid-Stoddard county line -----	36 43 44.6	89 42 07.4	6,069
Little River, center of bridge over -----	36 43 59.1	89 41 48.4	2,130
R.R. at rd. crossing -----	36 44 35.3	89 41 15.4	4,544

(Continued in Sikeston quadrangle; see line 6.)

Magnetic declination in 1929, $4^{\circ}45'E$.

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

SIKESTON QUADRANGLE
(Latitude 36°45'-37°00'; longitude 89°30'-89°45')
Mississippi, New Madrid, Scott, and Stoddard Counties



1. FROM SEC. 2, T. 25 N., R. 12 E., NORTHEAST ALONG U.S. HIGHWAY 60 TO MOREHOUSE, THENCE NORTH ALONG ROADS TO SALCEDO, THENCE EAST BY WAY OF SIKESTON TO SARGENT, THENCE NORTH INTO CHARLESTON QUADRANGLE AT SEC. 25, T. 27 N., R. 14 E. (by W. C. Elledge in 1931)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Ditch triangulation sta.; U.S.C. & G.S. standard disk stamped "Ditch 1930" -----	36 50 02.55	89 43 48.90	.....
Highway at crossroad -----	36 50 13.4	89 43 16.3	2,868
Highway at crossroad on New Madrid-Stoddard county line -----	36 50 31.5	89 42 15.0	5,305
Little River, center of bridge over -----	36 50 37.7	89 41 54.6	1,773
Morehouse, St. Louis-San Francisco Ry. at crossing of U.S. Highway 60 -----	36 50 46.6	89 41 24.9	2,572
Morehouse, near E. edge of, 51 ft. N. and 16 ft. E. of crossroads, 6 ft. S. and 16 ft. E. of Missouri Pacific R.R. at rd. crossing, 3 ft. N. of crossing signal, in concrete post; standard tablet stamped "T T 1 E 1931" -----	36 50 51.37	89 41 10.65	1,257
T. 26 N., R. 13 E., cor. secs. 29, 30, 31, and 32, near crossing of St. Louis-San Francisco Ry., crossroads -----	36 51 34.4	89 41 11.9	4,354
T. 26 N., R. 13 E., cor. secs. 19, 20, 29, and 30, T-rd. E. -----	36 52 26.9	89 41 13.6	5,304
T. 26 N., R. 13 E., quarter cor. between secs. 19 and 20, rd. corner from S.-E. -----	36 52 53.3	89 41 14.3	2,671
Salcedo, 0.2 mi. E. of cor. secs. 17, 18, 19, and 20, T. 26 N., R. 13 E., 25 ft. S. and 78 ft. E. of crossroads, 25 ft. S. and 13 ft. E. of St. Louis-San Francisco Ry. at rd. crossing, in concrete post; standard tablet stamped "T T 2 E 1931" -----	36 53 19.79	89 40 59.61	2,934
T. 26 N., R. 13 E., cor. secs. 16, 17, 20, and 21, T-rd. S. -----	36 53 21.2	89 40 09.2	4,094
T. 26 N., R. 13 E., secs. 15, 16, 21, and 22, 54 ft. N. and 65 ft. W. of T-rd. N. at cor. of, 1 ft. S. and 2 ft. E. of SE. corner of church, in concrete post; standard tablet stamped "T T 3 E 1931" -----	36 53 23.40	89 39 05.62	5,172
T. 26 N., R. 13 E., cor. secs. 14, 15, 22, and 23, crossroads -----	36 53 24.3	89 38 00.0	5,326
Drainage ditch, center of bridge over -----	36 53 25.0	89 37 27.1	2,680
Sikeston triangulation sta.; U.S.C. & G.S. standard disk stamped "Sikeston 1930" -----	36 53 26.81	89 36 08.10	6,418
Rd. fork N. -----	36 53 29.5	89 35 38.1	2,453
T-rd. E. -----	36 53 11.0	89 35 28.1	2,039
Sikeston, at W. side of entrance to city hall, 1 ft. N. of W. banister of steps, in concrete sidewalk; standard tablet stamped "T T 4 E 1931" -----	36 52 40.43	89 35 18.97	3,178
Sikeston, at E. limits of city, 2 ft. N. and 1 ft. E. of NE. corner of red brick building of Missouri State Highway Department, in concrete post; standard tablet stamped "T T 5 E 1931" -----	36 52 47.50	89 34 48.61	2,569

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Crossroads -----	36 52 53.9	89 34 13.7	2,907
Drainage ditch, center of bridge over -----	36 53 05.9	89 33 32.7	3,548
U.S. Highway 60 at drainage ditch S. -----	36 53 15.3	89 33 00.3	2,802
Miner, in village of, 30 ft. N. and 24 ft. W. of crossroads at cor. secs. 15, 16, 21, and 22, T. 26 N., R. 14 E., 51 ft. S. and 24 ft. W. of Missouri Pacific R.R. at rd. crossing, in concrete post; standard tablet stamped "T T 6 E 1931" -----	36 53 28.52	89 32 16.92	3,765
U.S. Highway 60 at rd. N., on line between secs. 14 and 15, T. 26 N., R. 14 E. -----	36 53 47.3	89 31 11.6	5,637
T. 26 N., R. 14 E., in NE 1/4 sec. 14, 40 ft. N. and 54 ft. W. of T-rd. N., 40 ft. S. of Missouri Pacific R.R. at rd. crossing, 3 ft. NW. of telephone pole, in concrete post; standard tablet stamped "T T 7 E 1931" -----	36 54 02.78	89 30 20.33	4,446
T. 26 N., R. 14 E., quarter cor. between secs. 11 and 12, rd. at fence E. -----	36 54 47.9	89 30 05.6	4,717
T. 26 N., R. 14 E., cor. secs. 1, 2, 11, and 12, T-rd. S. -----	36 55 14.3	89 30 06.0	2,670
T-rd. W. -----	36 55 40.6	89 30 55.8	4,844
T-rd. E., on line between secs. 2 and 35, Tps. 26 and 27 N., R. 14 E. -----	36 56 08.1	89 30 55.7	2,785
T. 27 N., R. 14 E., 0.2 mi. E. of quarter cor. between secs. 34 and 35, 15 ft. N. and 16 ft. W. of crossroads, 3 ft. N. and 2 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 8 E 1931" -----	36 56 34.69	89 30 56.03	2,684
T-rd. S. -----	36 57 27.8	89 30 56.7	5,374
Junction of private rd. SW. -----	36 57 26.9	89 30 17.0	3,220

(Continued in Charleston quadrangle; see line 1.)

2. FROM MORLEY QUADRANGLE SOUTH ALONG U.S. HIGHWAY 61 TO SIKESTON
(by W. C. Elledge in 1931)

(Continued from Morley quadrangle; see line 4.)

T. 27 N., R. 13 E., near quarter cor. between secs. 11 and 14, 30 ft. S. and 45 ft. W. of U.S. Highway 61 at crossroad, 4 ft. S. and 2 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 14 E 1931" -----	36 59 35.02	89 37 23.69	(5,360)
Highway at crossroad -----	36 58 30.2	89 37 11.7	6,603
Highway at crossing of old highway -----	36 57 39.1	89 37 07.9	5,195
Highway at crossroad -----	36 57 14.1	89 37 04.7	2,536
Sikeston, 4 mi. N. of, along U.S. Highway 61, 0.8 mi. N. of Hunter School, 85 ft. N. and 110 ft. W. of rd. fork N., 3 ft. NW. of tele- phone pole, in concrete post; standard tablet stamped "T T 15 E 1931" -----	36 56 06.81	89 36 48.23	6,939
Highway at crossroad -----	36 55 12.0	89 36 38.6	5,597
Highway at rd. W. -----	36 54 39.5	89 36 22.7	3,534
Highway at fences E. and W. -----	36 53 54.2	89 35 56.5	5,048
Sikeston triangulation sta. (previously de- scribed) -----	36 53 26.81	89 36 08.10	2,925

3. FROM SEC. 14, T. 27 N., R. 13 E., WEST TO VANDUSER, THENCE SOUTH TO
SALCEDO (by W. C. Elledge in 1931)

T T 14 E 1931 (previously described) -----	36 59 35.02	89 37 23.69	.....
Drainage ditch, center of wooden bridge over -----	36 59 35.0	89 37 40.2	1,340
St. Louis-San Francisco Ry. at rd. crossing -----	36 59 34.0	89 36 08.0	2,260
T. 27 N., R. 13 E., cor. secs. 9, 10, 15, and 16, T-rd. S., 40 ft. W. of center of bridge over drainage ditch -----	36 59 29.9	89 39 01.3	4,345
T-rd. N. -----	36 59 28.6	89 39 49.8	3,934
T. 27 N., R. 13 E., quarter cor. between secs. 8 and 17, T-rd. S., 10 ft. N. and 45 ft. E. from center of bridge over drainage ditch -----	36 59 27.1	89 40 38.6	3,965
Vanduser, 150 ft. S. of St. Louis-San Francisco Ry. depot, 21 ft. S. and 18 ft. E. of R.R. at rd. crossing, 1 ft. S. and 3 ft. W. of R.R. crossing sign, in concrete post; standard tablet stamped "T T 16 E 1931" -----	36 59 26.10	89 41 04.64	2,112
T. 27 N., R. 13 E., cor. secs. 7, 8, 17, and 18, crossroads -----	36 59 26.1	89 41 12.4	625
T-rd. S. -----	36 59 25.5	89 42 01.7	4,000
St. Louis-San Francisco Ry. at rd. crossing -----	36 58 55.8	89 41 55.3	3,045
Rd. at fences E. and W. -----	36 58 20.0	89 41 42.3	3,768
T-rd. W. -----	36 57 40.8	89 41 44.4	3,978

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
Crowder, about 0.7 mi. W. of, near center of N 1/2 sec. 30, T. 27 N., R. 13 E., 21 ft. S. and 45 ft. E. of rd. fork NE., 2 ft. W. of fence; 5 ft. S. of corner post, in concrete post; standard tablet stamped "T T 17 E 1931"-----	36 57 31.24 36 56 39.0	89 41 43.82 89 41 55.8	962 5,371
Small settlement, angle in rd.-----	36 56 22.7	89 41 29.4	2,707
Dim crossroads-----	36 55 56.4	89 41 14.0	2,937
T-rd. E.-----			
Tanner, 0.8 mi. N. of, in NW 1/4 sec. 5, T. 26 N., R. 13 E., 9 ft. N. and 18 ft. E. of rd. corner W. and S., 2 ft. S. and 18 ft. E. of S. gatepost, in concrete post; standard tablet stamped "T T 16 E 1931"-----	36 55 43.69	89 41 02.21	1,599
T-rd. S., on line between secs. 5 and 8, T. 26 N., R. 13 E.-----	36 55 04.8	89 41 02.1	3,930
Crossroads, on line between secs. 8 and 17, T. 26 N., R. 13 E.-----	36 54 12.4	89 41 01.4	5,300
T T 2 E 1931 (previously described)-----	36 53 19.79	89 40 59.61	5,322

4. FROM VANDUSER WEST ONE MILE, THENCE NORTH INTO MORLEY QUADRANGLE
AT SEC. 7, T. 27 N., R. 13 E. (by W. C. Elledge in 1931)

T T 16 E 1931 (previously described)-----	36 59 26.10	89 41 04.64	.....
T. 27 N., Rs. 12 and 13 E., cor. secs. 7, 12, 13, and 18, T-rd. N.-----	36 59 25.3	89 42 28.9	6,840

(Continued in Morley quadrangle; see line 5.)

5. FROM SEC. 2, T. 25 N., R. 12 E., WEST ALONG U.S. HIGHWAY 60 INTO
BLOOMFIELD QUADRANGLE (by D. R. Cabaniss in 1931)

Ditch triangulation sta. (previously described)---	36 50 02.55	89 43 48.90	.....
Castor River, center of U.S. Highway 60 bridge over-----	36 49 48.2	89 44 42.6	4,601

(Continued in Bloomfield quadrangle; see line 9.)

6. FROM NEW MADRID QUADRANGLE NORTH ALONG ST. LOUIS-SAN FRANCISCO
RAILWAY TO MOREHOUSE (by D. R. Cabaniss in 1931)
(Continued from New Madrid quadrangle; see line 1.)

Canalou, 30 ft. N. and 30 ft. W. of first rd. crossing N. of St. Louis-San Francisco Ry. depot, in concrete post; standard tablet stamped "T T 8 C 1931"-----	36 45 14.64	89 41 14.33	(3,980)
R.R. at rd. crossing, on line between secs. 6 and 31, Tps. 24 and 25 N., R. 13 E.-----	36 45 27.6	89 41 14.6	1,307
T. 25 N., R. 13 E., cor. secs. 29, 30, 31, and 32 R.R. at timber line W., on line between secs. 19 and 30, T. 25 N., R. 13 E.-----	36 46 19.7	89 41 01.7	5,375
Canalou, 2.8 mi. N. of, 3.7 mi. S. of Morehouse, along St. Louis-San Francisco Ry., 21 ft. S. and 45 ft. E. of R.R. at rd. crossing, in NW corner of field, in concrete post; standard tablet stamped "T T 9 C 1931"-----	36 47 11.4	89 41 20.2	5,434
R.R. at fence E., on line between secs. 18 and 19, T. 25 N., R. 13 E.-----	36 47 37.16	89 41 20.91	2,610
Bridge E-175.3, center of-----	36 48 03.4	89 41 23.0	2,660
R.R. at rd. crossing-----	36 48 53.0	89 41 25.6	5,017
R.R. at rd. crossing-----	36 49 21.8	89 41 27.1	2,914
R.R. at rd. crossing-----	36 49 55.1	89 41 28.7	3,369
Morehouse, center of track in front of sta.-----	36 50 42.8	89 41 26.0	4,827
T T 1 E 1931 (previously described)-----	36 50 51.37	89 41 10.65	1,520

7. FROM CANALOU EAST TO SEC. 5, T. 24 N., R. 14 E., THENCE NORTH ALONG
U.S. HIGHWAY 61 TO SIKESTON (by D. R. Cabaniss in 1931)

T T 8 C 1931 (previously described)-----	36 45 14.64	89 41 14.33	.....
Tps. 24 and 25 N., R. 13 E., cor. secs. 5, 6, 31, and 32-----	36 45 27.9	89 40 59.5	1,813
T. 25 N., R. 13 E., S. cor. secs. 32 and 33, T-rd. N., 38 ft. W. of T-rd. S. at N. cor. secs. 4 and 5, T. 24 N., R. 13 E.-----	36 45 29.5	89 39 54.4	5,296
Drainage ditch, center of bridge over-----	36 45 30.7	89 39 10.0	3,613
Tps. 24 and 25 N., R. 13 E., cor. secs. 3, 4, 33, and 34-----	36 45 31.6	89 38 32.3	3,069
Drainage ditch, center of bridge over-----	36 45 32.0	89 38 16.5	1,234
Canalou, 3.5 mi. E. of, 2.5 mi. W. of Matthews, near cor. secs. 2, 3, 34, and 35, Tps. 24 and 25 N., R. 13 E., 25 ft. S. of rd., 35 ft. NE. of frame house, in fence line S., in concrete post; standard tablet stamped "T T 10 C 1931" -	36 45 32.29	89 37 44.05	2,644

Station	Latitude	Longitude	Distance
T-rd. N. -----	36 45 33.2	89 37 11.6	Feet 2,644
Tps. 24 and 25 N., R. 13 E., cor. secs. 1, 2, 35, and 36, rd. at fence -----	36 45 33.8	89 36 38.9	2,656
Matthews, at W. limits of, rd. at drainage ditch-----	36 45 34.6	89 35 32.2	5,424
Matthews, St. Louis-San Francisco Ry. at rd. crossing -----	36 45 32.2	89 36 04.4	2,270
Matthews, 1 mi. E. of, along rd. to East Prairie, 30 ft. S. and 45 ft. W. of U.S. Highway 61 at crossroad, 95 ft. S. of filling sta., in concrete post; standard tablet stamped "T T 11 C 1931"* -----	36 45 32.23	89 33 57.94	5,410
Highway at rd. E. -----	36 45 58.9	89 34 01.2	2,711
Highway at rd. W. -----	36 46 25.2	89 34 05.0	2,677
Highway at rd. W. -----	36 47 04.7	89 34 10.8	4,022
Highway at crossroad, on line between secs. 20 and 29, T. 25 N., R. 14 E. -----	36 47 17.6	89 34 12.7	1,315
Sikeston, 5.1 mi. S. of, in SW. cor. sec. 17, T. 25 N., R. 14 E., 35 ft. N. and 50 ft. W. of U.S. Highway 61 at private rd., in SW. corner of field, in concrete post; standard tablet stamped "T T 12 C 1931" -----	36 48 13.86	89 34 23.35	5,758
Highway at rd. E. -----	36 49 02.1	89 34 31.5	4,320
Highway at crossroad -----	36 49 19.9	89 34 34.4	1,822
Highway at rd. E. -----	36 49 45.4	89 34 39.2	2,612
Highway at rd. E. -----	36 50 23.2	89 34 46.3	3,862
Sikeston, 2.1 mi. S. of, 0.2 mi. N. of Fairview School, 15 ft. S. and 50 ft. W. of U.S. Highway 61 at rd. W., in concrete post; standard tablet stamped "T T 13 C 1931" -----	36 50 31.92	89 34 48.57	901
Sikeston, at S. limits of, junction of Kingshighway -----	36 51 37.6	89 35 00.8	6,715
T-rd. W. -----	36 52 07.2	89 35 06.9	3,039
T T 5 E 1931 (previously described) -----	36 52 47.50	89 34 48.61	4,157

8. FROM SEC. 5, T. 24 N., R. 14 E., EAST INTO CHARLESTON QUADRANGLE AT
SEC. 36, T. 25 N., R. 14 E. (by D. R. Cabaniss in 1931)

T T 11 C 1931 (previously described) -----	36 45 32.23	89 33 57.94	.....
T. 24 N., R. 14 E., N. cor. secs. 4 and 5, junction of private rd. N. -----	36 45 32.8	89 33 23.4	2,810
Junction of private rd. N. -----	36 45 33.3	89 32 30.4	4,317
Matthews, 3.5 mi. E. of, along rd. to East Prairie, 20 ft. S. and 22 ft. E. of T-rd. N. at S. cor. secs. 34 and 35, T. 25 N., R. 14 E., in concrete post; standard tablet stamped "T T 14 C 1931" -----	36 45 33.68	89 31 10.65	6,485
Drainage ditch, center of bridge over -----	36 45 34.1	89 30 21.8	3,974

(Continued in Charleston quadrangle; see line 3.)

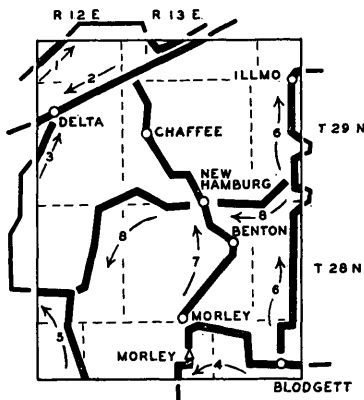
9. FROM BLOOMFIELD QUADRANGLE EAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY
TO VANDUSER (by J. M. Lawson in 1931)
(Continued from Bloomfield quadrangle; see line 5.)

Drainage ditch, center of trestle over -----	36 58 40.2	89 44 05.2	(5,179)
Little River, center of trestle over river and drainage ditch -----	36 58 46.3	89 43 15.6	4,070
R.R. at fences N. and S. -----	36 58 50.0	89 42 44.8	2,533
Drainage ditch, center of trestle over, 127 ft. E. of R.R. at rd. crossing -----	36 58 55.6	89 41 56.9	3,923
R.R. at E.-W. rd. crossing -----	36 58 59.6	89 41 25.4	2,585
R.R. at N.-S. rd. crossing, on line between secs. 17 and 18, T. 27 N., R. 13 E. -----	36 59 06.5	89 41 12.0	1,296
T T 16 E 1931 (previously described) -----	36 59 26.10	89 41 04.64	2,067

Magnetic declination in 1931, 4° E.

* It was reported in 1937 that this benchmark was covered by a fill, which at that time did not exceed 0.5 ft. in depth.

MORLEY QUADRANGLE
(Latitude 37°00'-37°15'; longitude 89°30'-89°45')
Cape Girardeau, Scott, and Stoddard Counties



1. FROM ADVANCE QUADRANGLE AT SEC. 30, T. 30 N., R. 12 E., NORTHEAST INTO CAPE GIRARDEAU QUADRANGLE AT POINT 1.6 MILES NORTHEAST OF NASH (by B. H. Yoakum in 1920)
(Continued from Advance quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Fence, on line between secs. 29 and 30, T. 30 N., R. 12 E. -----	37 14 21.7	89 44 53.4	(1,910)
Crossroad, near Sand Spur sta. on Missouri Pacific R.R. -----	37 14 26.9	89 43 57.5	4,555
T. 30 N., R. 12 E., cor. secs. 20, 21, 28, and 29, rd. corner from S.-E. at private lane N. and fence W. -----	37 14 51.5	89 43 46.7	2,634

(For balance in Cape Girardeau quadrangle, see line 5.)

Nash, 1.6 mi. NE. of, along St. Louis-San Francisco Ry., 100 ft. N. of R.R., 25 ft. N. of private rd. along S. side of field; iron post stamped "Prim Trav Sta No 13 1920 Mo 337"-	37 14 54.20	89 35 33.34	(4,290)
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(Continued in Cape Girardeau quadrangle; see line 5.)

2. FROM CAPE GIRARDEAU QUADRANGLE SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY INTO ADVANCE QUADRANGLE (by C. R. Fisher in 1924)
(Continued from Cape Girardeau quadrangle; see line 8.)

Prim Trav Sta No 13 1920 Mo 337 (previously described) -----	37 14 54.20	89 35 33.34	(10,100)
R.R. at milepost 138 -----	37 14 41.6	89 36 04.2	2,802
Nash, 70 ft. E. of St. Louis-San Francisco Ry. sta., 70 ft. S. of track, on W. side of rd.; iron post stamped "Prim Trav Sta No 1 F 1924 Mo 334" -----	37 14 15.94	89 37 09.67	5,886
Trestle A-140.2 -----	37 13 53.0	89 38 13.8	5,680
Trestle A-140.8 -----	37 13 39.5	89 38 50.2	3,239
Blomeyer, 300 ft. NE. of, 50 ft. N. of St. Louis- San Francisco Ry., 20 ft. S. of State Highway 25, 20 ft. W. of rd.; iron post stamped "Prim Trav Sta No 2 F 1924 Mo 337" -----	37 13 23.13	89 39 35.75	4,031
R.R. at milepost 143 -----	37 12 51.8	89 40 58.6	7,409
R.R. at rd. crossing -----	37 12 23.5	89 42 15.0	6,812
Sharpsboro, 600 ft. NE. of, 60 ft. S. of St. Louis-San Francisco Ry., 30 ft. W. of State Highway 25, in front of house; iron post stamped "Prim Trav Sta No 3 F 1924 Mo 333" -----	37 12 21.11	89 42 20.05	467
R.R. at milepost 145 -----	37 12 07.9	89 42 57.4	3,300
Delta, 260 ft. E. of St. Louis-San Francisco Ry. and Missouri Pacific R.R. crossing, 200 ft. NE. of R.R. sta., 30 ft. N. of track, 90 ft. S. of State Highway 25; iron post stamped "Prim Trav Sta No 4 F 1924 Mo 337" -----	37 11 43.15	89 44 05.45	6,045
Crossing of Missouri Pacific R.R. -----	37 11 41.8	89 44 08.2	266
R.R. at rd. crossing -----	37 11 29.6	89 44 41.1	2,931
Whitewater River, bridge over -----	37 11 23.1	89 44 58.6	1,562

(Continued in Advance quadrangle; see line 2.)

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
3. FROM ADVANCE QUADRANGLE AT SEC. 17, T. 29 N., R. 12 E., NORTHEAST TO DELTA (by J. L. Sanders in 1926) (Continued from Advance quadrangle; see line 6.)			
St. Louis Southwestern Ry. fork of switch -----	37 10 45.6	89 44 52.4	(7,870)
Prim Trav Sta No 4 F 1924 Mo 337 (previously described) -----	37 11 43.15	89 44 05.45	6,950

4. FROM THEBES QUADRANGLE AT SEC. 1, T. 27 N., R. 14 E., NORTHWEST TO MORLEY, THENCE SOUTHWEST INTO SIKESTON QUADRANGLE AT SEC. 11, T. 27 N., R. 13 E. (by W. C. Ellledge in 1931)
(Continued from Thebes quadrangle; see line 1.)

T. 27 N., R. 14 E., cor. secs. 1, 2, 11, and 12, rd. at fence S. -----	37 00 31.0	89 30 08.2	(1,460)
Drainage ditch, center of wooden bridge over -----	37 00 30.9	89 30 25.1	1,370
T. 27 N., R. 14 E., cor. secs. 2, 3, 10, and 11, rd. at fence S. -----	37 00 30.6	89 31 14.2	3,985
Blodgett, 140 ft. W. of Missouri Pacific R.R. depot, 56 ft. S. of main track at rd. crossing, 1 ft. N. of N. boundary of park, 6 ft. E. of E. edge of sidewalk, in concrete post; standard tablet stamped "T T 11 E 1931" -----	37 00 14.97	89 31 36.89	2,427
Missouri Pacific R.R. at rd. crossing -----	37 00 31.1	89 32 09.2	3,087
Crossroads -----	37 00 30.7	89 33 10.0	4,935
T. 27 N., R. 14 E., quarter cor. between secs. 5 and 8, T-rd. S. -----	37 00 30.7	89 33 59.9	4,045
T. 27 N., R. 14 E., cor. secs. 5, 6, 7, and 8, crossroads -----	37 00 30.5	89 34 32.5	2,640
Ward School, 210 ft. S. and 25 ft. W. of T-rd. W. at quarter cor. between secs. 5 and 6, T. 27 N., R. 14 E., 1 ft. N. and 8 ft. W. of post at SE. corner of schoolyard, in concrete post; standard tablet stamped "T T 12 E 1931" -----	37 00 54.65	89 34 33.04	2,445
Drainage ditch, center of steel bridge over -----	37 01 05.0	89 35 28.5	4,619
Rd. corner from S.-W. -----	37 01 35.4	89 35 51.4	3,590
Rd. corner from S.-W. -----	37 02 20.2	89 36 03.5	4,642
Morley, at S. limits of, main track of St. Louis-San Francisco Ry. at rd. crossing -----	37 02 19.7	89 36 45.1	3,375
Morley, at S. limits of, 0.3 mi. W. of schoolhouse, 27 ft. S. and 39 ft. E. of St. Louis-San Francisco Ry. at rd. crossing, 10 ft. NE. of corner post, 2 ft. from fence, in concrete post; standard tablet stamped "T T 13 E 1931" -----	37 02 14.38	89 36 53.45	864
Rd. at fence W. -----	37 01 50.1	89 36 36.7	2,808
Crossroads -----	37 01 07.9	89 36 36.5	4,269
Morley triangulation sta.; U.S.C. & G.S. standard disk stamped "Morley" -----	37 00 37.46	89 36 38.01	3,077
T-rd. N. -----	37 00 28.7	89 36 36.0	900
Drainage ditch, center of wooden bridge over -----	37 00 28.3	89 37 08.1	2,611
T-rd. E. -----	37 00 28.0	89 37 24.8	1,350

(Continued in Sikeston quadrangle; see line 2.)

5. FROM SIKESTON QUADRANGLE AT SEC. 7, T. 27 N., R. 13 E., NORTHWEST INTO ADVANCE QUADRANGLE AT SEC. 20, T. 28 N., R. 12 E. (by W. C. Ellledge in 1931)

(Continued from Sikeston quadrangle; see line 4.)

T. 27 N., R. 12 E., E. cor. secs. 1 and 12, T-rd. W., 40 ft. S. of T-rd. E. at W. cor. secs. 6 and 7, T. 27 N., R. 13 E. -----	37 00 17.4	89 42 29.4	(5,270)
T-rd. E. -----	37 01 23.8	89 42 30.2	6,715
T. 27 N., R. 13 E., in NW 1/4 sec. 6, 14 ft. S. and 48 ft. E. of rd. forks, 2 ft. SE. of corner post, in field, in concrete post; standard tablet stamped "T T 25 E 1931" -----	37 01 40.51	89 42 30.03	1,688
T-rd. E. -----	37 01 56.5	89 43 22.5	4,550
Crossroads -----	37 02 17.8	89 43 15.1	2,239
Crossroads -----	37 03 10.4	89 43 01.2	5,433
T. 28 N., R. 12 E., near quarter cor. between secs. 22 and 27, 5 ft. N. and 20 ft. E. of T-rd. W., 1 ft. W. and 2 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 26 E 1931" -----	37 04 02.31	89 42 44.66	5,422
Floodway, center of wooden bridge over -----	37 04 02.4	89 43 33.8	3,985
Drainage ditch, center of wooden bridge over -----	37 04 02.6	89 44 04.0	2,445

(Continued in Advance quadrangle; see line 10.)

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet

6. FROM BLODGETT NORTH TO ILLMO, THENCE EAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY INTO THEBES QUADRANGLE (by W. C. Elledge in 1931)

T T 11 E 1931 (previously described) -----	37 00 14.97	89 31 36.89	.....
Rd. corner from S.-E. -----	37 01 10.0	89 31 14.5	5,848
T-rd. E. -----	37 01 23.6	89 31 04.0	1,612
T. 27 N., R. 14 E., about 0.4 mi. W. of N. cor. secs. 2 and 3, 21 ft. S. and 36 ft. E. of rd. fork SE., 2 ft. N. and 10 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 28 E 1931" -----	37 02 21.70	89 31 40.49	6,581
Rd. at fence S. -----	37 02 22.4	89 30 41.6	4,774
T. 28 N., R. 14 E., S. cor. secs. 33 and 34, T-rd. N. -----	37 02 22.7	89 30 13.6	2,275
T. 28 N., R. 14 E., cor. secs. 27, 28, 33, and 34, rd. at private crossroad -----	37 03 15.0	89 30 13.7	5,290
T. 28 N., R. 14 E., 450 ft. S. of cor. secs. 21, 22, 27, and 28, 49 ft. N. and 10 ft. E. of State Highway 55 at N.-S. crossroad, 5 ft. N. and 1 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 29 E 1931" -----	37 04 03.13	89 30 13.41	4,860
T. 28 N., R. 14 E., cor. secs. 15, 16, 21, and 22, T-rd. E. -----	37 05 00.2	89 30 13.6	5,770
T. 28 N., R. 14 E., cor. secs. 9, 10, 15, and 16, rd. at fences E. and W. -----	37 05 52.7	89 30 14.7	5,305
T. 28 N., R. 14 E., secs. 9 and 10, 25 ft. S. and 27 ft. E. of crossroads at quarter cor. between, 25 ft. N. and 24 ft. W. of NW. corner of Westmoreland Church, in concrete post; standard tablet stamped "T T 30 E 1931" -----	37 06 18.82	89 30 14.66	2,644
R.R. at rd. crossing -----	37 06 33.5	89 30 15.1	1,485
Rd. corner from S.-E. -----	37 07 11.4	89 30 15.4	3,840

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

T. 29 N., R. 14 E., near center of W 1/2 sec. 34, 15 ft. S. and 12 ft. E. of rd. fork NW., 9 ft. N. and 15 ft. E. of telephone pole, 1 ft. S. of fence, in concrete post; standard tablet stamped "T T 31 E 1931" -----	37 08 00.29	89 30 02.80	(2,393)
Junction of dim rd. SW. -----	37 08 08.3	89 30 22.8	1,829
T-rd. S., near cor. secs. 27, 28, 33, and 34, T. 29 N., R. 14 E. -----	37 08 29.7	89 30 24.1	2,157
T. 29 N., R. 14 E., in SE 1/4 sec. 21, 40 ft. N. and 16 ft. W. of rd. fork NW., 2 ft. E. of SE. corner of yard, in concrete post; standard tablet stamped "T T 32 E 1931" -----	37 09 24.95	89 30 17.48	5,615
Rd. at fence E. -----	37 10 14.4	89 30 17.9	5,000
Junction of private rd. W. -----	37 10 47.0	89 30 18.0	3,290
T. 29 N., R. 14 E., quarter cor. between secs. 9 and 10, T-rd. S. -----	37 11 33.6	89 30 18.3	4,715

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

Illmo, about 0.5 mi. S. of, along rd. to Commerce, 165 ft. N. and 39 ft. E. of T-rd. W., 18 ft. S. and 2 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 33 E 1931" -----	37 12 26.92	89 30 25.04	(5,564)
Illmo, intersection of Second and Hickory Streets -----	37 12 58.6	89 30 25.5	3,203

(Continued in Thebes quadrangle; see line 3.)

7. FROM MORLEY NORTHEAST ALONG U.S. HIGHWAY 61 TO BENTON, THENCE NORTHWEST BY WAY OF NEW HAMBURG AND CHAFFEE TO BLOMEYER (by W. C. Elledge in 1931)

T T 13 E 1931 (previously described) -----	37 02 14.38	89 36 53.45	.....
Crossroad, on line between secs. 2 and 33, Tps. 27 and 28 N., R. 13 E. -----	37 02 19.5	89 37 26.3	2,715
Highway at crossing of Missouri Pacific R.R. -----	37 03 00.0	89 37 18.0	4,152
Highway at concrete culvert over creek -----	37 03 27.6	89 36 45.2	3,859
T. 28 N., R. 13 E., near SE. cor. sec. 22, 40 ft. N. and 40 ft. W. of U.S. Highway 61 at private rd. N., 10 ft. S. and 4 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 35 E 1931" -----	37 04 10.62	89 35 40.66	6,798
Highway at rd. W. -----	37 04 56.1	89 34 38.4	6,822
Highway at crossroad -----	37 05 10.6	89 34 19.0	2,150
Benton, at S. entrance to courthouse, in SE. balustrade of steps; standard tablet stamped "T T 36 E 1931" -----	37 05 46.63	89 33 48.51	4,404
T-rd. SE. -----	37 05 56.2	89 34 08.6	2,007
Rd. fork NW. -----	37 06 08.5	89 34 55.9	3,967
Junction of private rd. E. -----	37 06 35.8	89 35 08.6	2,941

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Rd. corner from N.-E. -----	37 06 57.5	89 35 25.4	2,589
New Hamburg, 25 ft. S. and 18 ft. W. of entrance to St. Lawrence School, 63 ft. N. and 21 ft. E. of crossroads, 2 ft. E. of edge of sidewalk, in concrete post; standard tablet stamped "T T 37 E 1931" -----	37 07 36.08	89 35 35.01	3,978
Creek, center of steel bridge over -----	37 08 04.8	89 36 28.8	5,241
T-rd. E. -----	37 08 13.4	89 36 45.3	1,598
T-rd. W. -----	37 08 39.6	89 37 18.0	3,742
T. 29 N., R. 13 E., near quarter cor. between secs. 28 and 29, 27 ft. E. and 20 ft. S. of rd. fork W., 2 ft. W. of fence N., in concrete post; standard tablet stamped "T T 38 E 1931" -	37 08 57.07	89 37 51.04	3,215
Rd. at fences N. and S. -----	37 09 58.7	89 38 06.9	6,363
Junction of dim rd. S. -----	37 09 56.7	89 38 34.4	2,240
Rd. fork SE. -----	37 10 27.4	89 39 02.6	3,853
Chaffee, 48 ft. S. and 144 ft. E. of SE. corner of St. Louis-San Francisco Ry. depot, 65 ft. E. and 27 ft. N. of R.R. at E.-W. rd. crossing, 4 ft. N. of curb, 10 ft. W. of pole, in con- crete post; standard tablet stamped "T T 39 E 1931" -----	37 10 45.45	89 39 10.49	1,941
St. Louis-San Francisco Ry. at switch SE., 230 ft. S. of switch SW. -----	37 11 34.6	89 38 45.4	5,376
T. 29 N., R. 13 E., near center of S 1/2 sec. 5, 16 ft. N. and 80 ft. W. of St. Louis-San Francisco Ry. at rd. crossing, 24 ft. E. and 24 ft. N. of rd. corner S. and E., in concrete post; standard tablet stamped "T T 40 E 1931"--	37 12 07.96	89 38 28.75	3,628
St. Louis Southwestern Ry. trestle 73, center of St. Louis Southwestern Ry. at crossing of State Highway 55 -----	37 12 16.5	89 39 07.9	3,284
State Highway 55 at rd. S. -----	37 12 16.3	89 40 01.6	4,350
Pratt Trav Sta. No 2 P 1924 Mo 337 (previously described) -----	37 13 01.2	89 39 42.5	4,796
	37 13 23.13	89 39 35.75	2,283

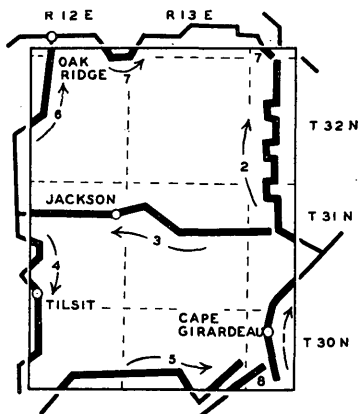
8. FROM SEC. 34, T. 29 N., R. 14 E., WEST BY WAY OF NEW HAMBURG TO CANEY CREEK, THENCE SOUTH TO SEC. 22, T. 28 N., R. 12 E. (by W. C. Elledge in 1931)

T T 31 E 1931 (previously described) -----	37 08 00.29	89 30 02.80	.....
Rd. at fence S. -----	37 07 47.4	89 30 29.2	2,504
T-rd. W. -----	37 07 24.3	89 31 17.7	4,567
T. 28 N., R. 14 E., 1: NW 1/4 sec. 5, 1,400 ft. W. of Joe H. Legrand's farmhouse, 15 ft. N. and 9 ft. E. of junction of dim rd. N., 2 ft. S. and 35 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 41 E 1931"--	37 07 23.90	89 32 08.91	4,149
T-rd. W. -----	37 07 34.5	89 33 26.0	6,335
Caney Creek, center of steel bridge over -----	37 07 34.6	89 34 11.5	3,690
T-rd. S. -----	37 07 34.6	89 34 52.1	3,290
T T 37 E 1931 (previously described) -----	37 07 36.08	89 35 35.01	3,476
T. 29 N., R. 13 E., S. cor. secs. 33 and 34, rd. at fence N. -----	37 07 34.4	89 36 42.8	5,488
Tps. 28 and 29 N., R. 13 E., quarter cor. between secs. 4 and 33, T-rd. E. -----	37 07 34.6	89 37 17.2	2,790
T. 29 N., R. 13 E., near center sec. 32, 33 ft. E. of old T-rd. S., 7 ft. N. and 27 ft. E. of center of gate, in concrete post; standard tablet stamped "T T 42 E 1931" -----	37 07 52.96	89 38 22.57	5,609
Creek, center of wooden bridge over -----	37 08 03.0	89 38 58.3	3,063
T-rd. E. -----	37 08 14.0	89 40 06.9	5,668
Rd. fork W., 80 ft. E. of crossing of St. Louis- San Francisco Ry. -----	37 07 46.3	89 40 28.2	3,285
Caney Creek, at village of, in SE 1/4 sec. 35, T. 29 N., R. 12 E., 10 ft. N. and 63 ft. E. of Missouri Pacific R.R. at rd. crossing, on S. side of rd., 6 ft. NE. of telephone pole, in concrete post; standard tablet stamped "T T 43 E 1931" -----	37 07 45.94	89 41 13.98	3,709
T. 28 N., R. 12 E., N. quarter cor. sec. 2, T-rd. S. -----	37 07 33.2	89 41 55.7	3,615
T. 28 N., R. 12 E., cor. secs. 2, 3, 10, and 11, T-rd. E. -----	37 06 40.2	89 42 10.4	5,492
T. 28 N., R. 12 E., about 0.2 mi. S. of cor. secs. 10, 11, 14, and 15, 27 ft. S. and 2 ft. E. of rd. corner N. and E., 6 ft. S. and 2 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 44 E 1931" -----	37 05 33.73	89 42 11.01	6,716
T-rd. N. -----	37 04 34.8	89 41 54.4	4,161
T-rd. S. -----	37 04 54.7	89 42 56.1	5,000
T T 26 E 1931 (previously described) -----	37 04 02.31	89 42 44.66	5,376

Magnetic declination in 1931, 4° 30' E.

CAPE GIRARDEAU QUADRANGLE *
(Latitude 37°15'-37°30'; longitude 89°30'-89°45')

Cape Girardeau County



1. FROM POINT 3 MILES SOUTH OF CAPE GIRARDEAU NORTH ONE MILE ALONG ROADS, THENCE NORTH ALONG ST. LOUIS-SAN FRANCISCO RAILWAY INTO JONESBORO QUADRANGLE (by B. H. Yoskum in 1920)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
M.R.C. stone post designated "12/3" -----	37 15 36.45	89 31 39.41	.....
Cape La Croix Creek, wooden bridge over -----	37 15 56.5	89 31 53.7	2,336
R.R. at rd. crossing, 800 ft. NW. of plant of Cape Girardeau Portland Cement Company -----	37 16 10.7	89 32 17.7	2,413
Cape La Croix Creek, bridge over -----	37 16 40.4	89 31 56.7	3,453
Cape Girardeau, E. rail of main track at main switch stand at S. end of yard -----	37 17 04.6	89 31 40.2	2,784
Cape Girardeau, main track at watering sta. -----	37 17 40.0	89 31 16.4	4,066
Cape Girardeau, W. rail of main track at main entrance to new sta. -----	37 18 09.4	89 31 04.8	3,116
Cape Girardeau, main track at E. end of East Broadway -----	37 18 20.8	89 31 02.8	1,170
Cape Girardeau, at SE. corner of Broadway and Fountain Streets, on E. side of N. entrance to post office building, at base of lamp pedestal, in top of granite block; standard tablet stamp- ed "Prim Trav Sta No 1 1920 Mo 409" -----	37 18 21.84	89 31 18.51	1,272
M.R.C. triangulation sta. designated "Courthouse" M.R.C. triangulation sta. designated "Pumping Station" -----	37 18 17.72	89 31 11.99	670
Sloan Creek, bridge over -----	37 18 52.87	89 30 53.98	3,840
W. rail of track at signpost marked "Yard Limit"-----	37 18 54.8	89 30 51.2	301
	37 19 30.4	89 30 05.0	5,190

(Continued in Jonesboro quadrangle; see line 1.)

2. FROM JONESBORO QUADRANGLE AT SEC. 16, T. 31 N., R. 14 E., NORTH TO SEC. 5, T. 32 N., R. 14 E. (by B. H. Yoskum in 1920)
(Continued from Jonesboro quadrangle; see line 2.)

Junction of private rd. over culvert-----	37 22 06.4	89 30 11.5	(4,240)
Rd. forks near Coker School, 120 ft. S. of Little Flora Creek -----	37 22 59.4	89 30 06.4	5,373
Rd. junction near fork of creek -----	37 23 23.6	89 30 36.2	3,431
Cape Girardeau, 6 mi. N. of, near center sec. 5, T. 31 N., R. 14 E., 350 ft. S. of residence of Henry Froemsdorf, 32 ft. S. 56° E. of cross- roads, 44 ft. E. of rd. at E. bank of Little Flora Creek, 10 ft. N. of entrance to field; iron post stamped "Prim Trav Sta No 2 1920 Mo 451" -----	37 23 39.63	89 31 01.09	2,581
Tps. 31 and 32 N., R. 14 E., cor. secs. 4, 5, 32, and 33, stone in triangle at rd. forks -----	37 24 01.4	89 30 35.1	3,036
Water-maple tree at W. edge of woods rd., near rd. forks -----	37 24 36.7	89 30 41.5	3,613
Blazed post-oak tree near rd. forks, on wooded ridge, near line between secs. 29 and 32, T. 32 N., R. 14 E. -----	37 24 59.2	89 30 49.8	2,374
Rd. forks in woods -----	37 25 16.4	89 31 09.0	2,326

*A small part of this quadrangle lies in Illinois.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Rd. in front of white-oak tree at corner of timber, 200 ft. N. of log dwelling -----	37 25 46.0	89 30 44.6	3,579
Oricle, 1 mi. E. of, about 0.2 mi. E. of center sec. 20, T. 32 N., R. 14 E., SW. of crossroads, 34 ft. E. of wooden culvert under N.-S. rd., about 60 ft. W. of group of mail boxes, 11 ft. back from edge of bank, 10 ft. above rd.; iron post stamped "Prim Trav Sta No 3 1920 Mo 588" -----	37 26 15.00	89 30 54.74	3,045
Small white-oak tree SE. of T-rd. W., 500 ft. N. of Pierce dwelling -----	37 26 44.6	89 31 03.3	3,071
Junction of rd. E. -----	37 27 09.4	89 30 59.3	2,525
Rd. at top of ridge, along W. side of field -----	37 27 42.1	89 30 49.1	3,416
Indian Creek, center of single-span iron bridge over -----	37 28 19.4	89 30 51.2	3,775
T-rd. W., on line between secs. 4 and 5, T. 32 N., R. 14 E. -----	37 29 03.3	89 30 34.4	4,628

3. FROM SEC. 9, T. 31 N., R. 14 E., WEST ALONG ROADS TO POINT 3 MILES EAST OF JACKSON, THENCE WEST ALONG CAPE GIRARDEAU NORTHERN RAILROAD (now abandoned) TO JACKSON, THENCE WEST ALONG MARBLE HILL ROAD INTO MARBLE HILL QUADRANGLE (by B. H. Yoakum in 1920)

Junction of private rd. (previously described) --	37 22 06.4	89 30 11.5	.....
Rd. forks in creek bed, 10 ft. E. of line of lane N. -----	37 22 07.0	89 30 29.5	1,500
Sycamore tree at rd. forks, near fork of drain --	37 22 15.7	89 30 48.1	1,740
Junction of lane N. to brick dwelling of William Fornkahl -----	37 22 51.6	89 31 38.4	5,447
Ten-in. hickory tree, on top of ridge, near private rd. fork, in NW 1/4 sec. 7, T. 31 N., R. 14 E. -----	37 22 42.6	89 32 23.4	3,825
Cape Girardeau, 4.5 mi. N. and 2 mi. W. of, in W 1/2 sec. 12, T. 31 N., R. 13 E., 450 ft. E. of brick residence of Ben Heuer, 15 ft. E. of edge of N.-S. rd. at junction of rd. W., 25 ft. W. of W. bank of creek; iron post stamped "Prim Trav Sta No 4 1920 Mo 480" -----	37 22 35.81	89 33 37.71	6,035
Thirty-six in. white-oak tree, in triangle formed by rd. forks at Randol School -----	37 22 33.3	89 34 29.0	4,149
Rd. forks in drain, in line with fence S. -----	37 22 42.0	89 34 45.8	1,614
Rd. at fence N. on line between secs. 9 and 10, T. 31 N., R. 13 E. -----	37 22 34.6	89 36 07.2	6,612
Jackson, 3 mi. E. of, 300 ft. NW. of Randol Creek, 39 ft. S. 51° W. from Cape Girardeau Northern R.R. at rd. crossing, 6 ft. from fence line; iron post stamped "Prim Trav Sta No 5 1920 Mo 438" -----	37 22 16.16	89 36 58.05	4,506
Walnut tree in fence corner, at corner of land grants -----	37 22 45.8	89 37 07.1	3,084
R.R. grade at rd. crossing -----	37 22 44.0	89 37 47.5	3,265
R.R. grade at rd. crossing -----	37 22 56.6	89 38 50.2	5,216
Jackson, in E. part of, R.R. grade at crossing of South Street -----	37 22 44.7	89 39 20.2	2,713
Jackson, at Missouri Pacific R.R. sta., W. track at crossing of Main Street -----	37 22 54.2	89 39 43.1	2,080
Jackson, at Main Street entrance to courthouse, in center of top of lowest limestone head block on E. side of main entrance steps; standard tablet stamped "Prim Trav Sta No 6 1920 Mo 497" -----	37 22 57.51	89 40 01.59	1,526
Jackson, intersection of West Main Street and Farmington rd. -----	37 22 59.9	89 40 36.7	2,841
T-fence N. at SW. corner of land grant -----	37 22 54.6	89 40 52.0	1,343
Hubble Creek, center of concrete bridge over -----	37 22 59.4	89 40 58.2	697
Junction of rd. S. -----	37 22 54.4	89 42 08.1	5,661
T-fence W. at corner of land grant -----	37 22 37.9	89 42 10.8	1,680
Stone at rd. corner from N.-E., at SW. corner of land grant -----	37 22 32.0	89 42 11.8	600
Crossroad -----	37 22 58.7	89 42 18.5	2,746
Cane Creek, center of bridge over -----	37 23 12.3	89 43 15.9	4,834
Junction of rd. N. at Cane Creek School -----	37 23 10.5	89 44 05.8	4,033
Junction of rd. S. -----	37 22 59.3	89 44 53.5	4,009
Stone at angle in rd. from W.-N. and fence E. --	37 23 04.2	89 44 53.5	500

(Continued in Marble Hill quadrangle; see line 1.)

4. FROM MARBLE HILL QUADRANGLE AT SEC. 18, T. 31 N., R. 12 E., SOUTH BY WAY OF TILSIT INTO MARBLE HILL QUADRANGLE AT SEC. 18, T. 30 N., R. 12 E. (by B. H. Yoakum in 1920)
(Continued from Marble Hill quadrangle; see line 1.)

T. 31 N., R. 12 E., approximate cor. secs. 17, 18, 19, and 20, E.-W. rd. at end of field gate, 460 ft. E. of rd. corner N.-E. -----	37 21 17.8	89 44 53.1	(2,030)
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Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 31 N., R. 12 E., quarter cor. between secs. 19 and 20, stone in center of N.-S. rd. near small wooden bridge -----	37 20 51.5	89 44 53.4	2,656
Spire on Immanuel Kirche Lutheran Church -----	37 20 35.9	89 44 53.9	1,580
T. 31 N., R. 12 E., cor. secs. 19, 20, 29, and 30, T-fence N. -----	37 20 26.0	89 44 52.1	1,016

(For balance in Marble Hill quadrangle, see line 1.)

Spire on Evangelical Church near Tilsit -----	37 20 02.7	89 44 51.8	(1,390)
T-rd. W. -----	37 19 58.3	89 44 34.4	1,485
Tilsit, near SW. corner of, angle in main rd. ---	37 19 45.4	89 44 34.2	1,305
T-rd. W. -----	37 19 05.6	89 44 33.7	4,020
T. 31 N., R. 12 E., quarter cor. between secs. 31 and 32, T-rd. S. and lane N. -----	37 19 06.0	89 44 50.5	1,360
Tps. 30 and 31 N., R. 12 E., cor. secs. 5, 6, 31, and 32, stone at rd. corner N.-W., 3 ft. N. of E.-W. fence -----	37 18 39.7	89 44 50.6	2,664
Rd. at lane NW. to dwelling, on top of hill -----	37 18 11.2	89 44 39.2	3,020
Gordonville, 3 mi. W. and 1 mi. S. of, in S 1/2 sec. 5, T. 30 N., R. 12 E. (actually in land grant), at T-rd. W., 350 ft. E. of drain cross- ing rd. W., 260 ft. N. of same drain crossing rd. S., 15 ft. S. and 12 ft. W. of junction of rds.; iron post stamped "Prim Trav Sta No 9 1920 Mo 427" -----	37 17 34.09	89 44 17.87	4,133
Rd. at lane W. at mail box of Fred C. Hartman ---	37 16 48.6	89 44 43.6	5,051
Bridge, center of -----	37 16 27.6	89 44 41.5	2,125

(Continued in Marble Hill quadrangle; see line 1.)

5. FROM MORLEY QUADRANGLE AT SEC. 21, T. 30 N., R. 12 E., EAST ALONG
BLOOMFIELD ROAD TO SEC. 22, T. 30 N., R. 13 E., THENCE NORTHEAST
ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO BRIDGE OVER CAPE LA CROIX
CREEK (by B. H. Yoakum in 1920)

(Continued from Morley quadrangle; see line 1.)

Junction of rd. N. at jog in E.-W. rd. -----	37 15	89 42	(4,270)
Dutchtown, 2 mi. W. of, along Bloomfield Road, 85 ft. SW. of rd. forks, 32 ft. S. 15°30' W. of center of small wooden bridge on E.-W. rd., near E.-W. fence; iron post stamped "Prim Trav Sta No 11 1920 Mo 359" -----	37 15	89 41	5,974
Junction of rd. S. -----	37 15	89 41	3,292
Rd. in front of Dutchtown School -----	37 15	89 40	3,047
Dutchtown, Missouri Pacific R.R. main track at rd. crossing -----	37 15	89 39	3,807
Junction of rd. S. on line between secs. 19 and 24, T. 30 N., Rs. 12 and 13 E. -----	37 15	89 39	1,336
Stone culvert -----	37 15	89 38	5,237
Dutchtown, 1.7 mi. E. of, along Bloomfield Road, 20 ft. S. of T-rd. N., 56 ft. S. 70° W. from SW. corner of concrete culvert abutment, 2 ft. W. of fence corner; iron post stamped "Prim Trav Sta No 12 1920 Mo 356" -----	37 15	89 37	2,080
Stone in fence corner E. of rd. at rd. corner from NW.-S., 700 ft. N. of Pecan Grove School -	37 15	89 37	3,711
Junction of rd. N. and ditch S. at Pecan Grove School -----	37 15	89 37	781
Junction of narrow lane N. -----	37 15	89 36	2,670
Junction of dim rd. E. at concrete culvert -----	37 15	89 35	4,100
Square stone on S. edge of rd. at curve at probable land-grant corner, 205 ft. E. of concrete culvert -----	37 15	89 35	207

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

R.R. at rd. crossing -----	37 15	89 34	(4,270)
Rock Levee, R.R. at rd. crossing -----	37 15	89 33	5,145
R.R. at rd. crossing -----	37 15	89 33	3,895
R.R. at rd. crossing -----	37 16	89 32	3,339
R.R. crossing (previously described) -----	37 16	89 32	1,050
Gulf Junction, 450 ft. NE. of St. Louis-San Francisco Ry. sta., 80 ft. E. of R.R., 20 ft. N. of private rd., 1 ft. W. of fence; iron post stamped "Prim Trav Sta No 14 1920 Mo 346" -	37 16	89 32	2,083
R.R. bridge (previously described) -----	37 16	89 31	1,374

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet

6. FROM MARBLE HILL QUADRANGLE AT SEC. 19, T. 32 N., R. 12 E., NORTH INTO ALTENBURG QUADRANGLE AT OAK RIDGE (by J. B. Leavitt in 1921)
(Continued from Marble Hill quadrangle; see line 2.)

Byrd Creek bridge on Jackson-Oak Ridge rd., 400 ft. N. of, 40 ft. W. of creek, on E. side of rd., 5 ft. N. of maple tree; iron post stamped "Prim Trav Sta No 1 J B L 1921 Mo 432" -----	37 26 38.00	89 44 08.11	4,562
T-rd. E. -----	37 27 13.8	89 44 06.6	3,622
T-rd. W. -----	37 28 05.9	89 43 57.9	5,323
T-rd. E. -----	37 28 42.0	89 43 47.5	3,736
T-rd. W. -----	37 29 13.4	89 43 45.9	3,183

(Continued in Altenburg quadrangle; see line 2.)

7. FROM ALTENBURG QUADRANGLE AT SEC. 35, T. 33 N., R. 12 E., EAST TO NEELYS LANDING (by J. B. Leavitt in 1921)
(Continued from Altenburg quadrangle; see line 2.)

T. 33 N., R. 12 E., secs. 35 and 36, about 0.1 mi. S. of quarter cor. between, on N. side of rd. at T-rd. S., 20 ft. E. of fence; iron post stamped "Prim Trav Sta No 7 J B L 1921 Mo 623"-----	37 29 58.35	89 40 27.42	(1,440)
Crossroads -----	37 29 59.2	89 39 40.1	3,818

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

Neelys Landing, St. Louis-San Francisco Ry. track in front of operator's window -----	37 29 56.0	89 30 00.8	(1,670)
--	------------	------------	---------

8. FROM POINT 3 MILES SOUTH OF CAPE GIRARDEAU, SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY INTO MORLEY QUADRANGLE (by C. R. Fisher in 1924)

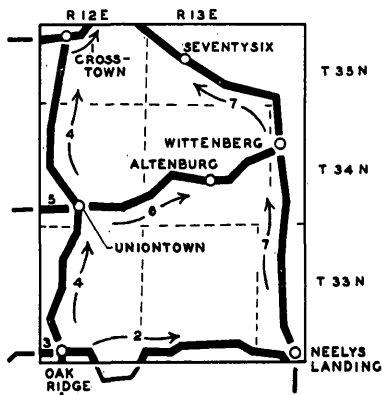
M.R.C. stone post designated "12/3" (previously described) -----	37 15 36.45	89 31 39.41	.....
R.R. at rd. crossing to cement plant -----	37 16 15.1	89 32 13.6	4,812
R.R. at rd. crossing -----	37 15 41.5	89 33 26.6	6,820
R.R. at rd. crossing, near E. end of siding -----	37 15 36.2	89 33 40.0	1,221
R.R. at rd. crossing -----	37 15 11.4	89 34 45.3	5,860

(Continued in Morley quadrangle; see line 2.)

Magnetic declination in 1922, 4° 30' E.

ALTENBURG QUADRANGLE *
(Latitude 37°30'-37°45'; longitude 89°30'-89°45')

Cape Girardeau and Perry Counties



1. FROM PERRYVILLE QUADRANGLE AT SEC. 18, T. 35 N., R. 12 E., EAST INTO CAMPBELL HILL QUADRANGLE AT SEC. 9, T. 35 N., R. 12 E. (by J. H. Wilson in 1913)
(Continued from Perryville quadrangle; see line 2.)

Station	Latitude	Longitude	Distance
T. 35 N., R. 12 E., center of SW 1/4 sec. 8 -----	37 44 58.2	89 44 11.9	Feet (6,230)
Crosstown, at NW. corner of James Grimand's store, in W. foundation wall; standard tablet stamped "Prim Trav Sta No 7 1913 Mo 570" -----	37 44 44.42	89 43 38.81	3,000
T. 35 N., R. 12 E., cor. secs. 8, 9, 16, and 17 -	37 44 45.4	89 43 22.4	1,316

(Continued in Campbell Hill quadrangle; see line 1.)

2. FROM CAPE GIRARDEAU QUADRANGLE AT OAK RIDGE EAST INTO CAPE GIRARDEAU QUADRANGLE AT SEC. 33, T. 33 N., R. 14 E. (by J. B. Leavitt in 1921)
(Continued from Cape Girardeau quadrangle; see line 6.)

Oak Ridge, crossroads -----	37 30 04.3	89 43 46.3	(5,150)
Oak Ridge, in S. corner of schoolyard; iron post stamped "Prim Trav Sta No 2 J B L 1921 Mo 592" -----	37 30 04.51	89 43 59.17	1,038
T-rd. N. -----	37 30 15.0	89 42 56.7	5,148
Rd. junction -----	37 30 02.0	89 42 13.5	3,726
Rd. corner -----	37 30 01.8	89 40 44.7	7,159

(For balance in Cape Girardeau quadrangle, see line 7.)

Pocahontas, T-rd. S. -----	37 30 02.1	89 38 22.9	(6,230)
T. 33 N., R. 13 E., near center sec. 32, at NE. corner of crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 8 J B L 1921 Mo 532" -----	37 30 01.94	89 37 46.17	2,965
Mail box of J. T. Leamer, E. of rd. -----	37 30 10.3	89 36 42.9	5,174
Rd. at stream crossing -----	37 30 37.6	89 36 17.6	3,434
New Bethel Church, 250 ft. S. of, about 0.3 mi. E. of center sec. 27, T. 33 N., R. 13 E., on E. side of rd. at forks, in concrete post; standard tablet stamped "Prim Trav Sta No 9 J B L 1921 Mo 711" -----	37 31 02.61	89 35 10.31	5,982
Rd. forks -----	37 30 40.1	89 34 33.7	3,732
Junction of rd. N. to church -----	37 30 36.2	89 34 24.6	837
Junction of rds. at stream crossing -----	37 30 17.6	89 33 31.9	4,676
Rd. at stream crossing -----	37 30 14.1	89 32 43.3	3,941
Rd. in front of mail box of L. McCain -----	37 30 15.9	89 31 44.6	4,733
Rd. at ford across Neelys Creek -----	37 30 19.2	89 31 24.7	1,643
Neelys Landing, about 0.3 mi. N. of St. Louis-San Francisco Ry. sta., 30 ft. W. of track, in concrete post; standard tablet stamped "Prim Trav Sta No 10 J B L 1921 Mo 352" -----	37 30 11.79	89 30 06.98	6,315

(Continued in Cape Girardeau quadrangle; see line 7.)

* Part of this quadrangle lies in Illinois.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet

3. FROM OAK RIDGE WEST INTO PERRYVILLE QUADRANGLE AT SEC. 31, T. 33 N., R. 12 E. (by J. B. Leavitt in 1921)

Prim Trav Sta No 2 J B L 1921 Mo 592 (previously described) -----	37 30 04.51	89 43 59.17	.....
T-rd. S. -----	37 30 02.4	89 44 52.9	4,334

(Continued in Perryville quadrangle; see line 3.)

4. FROM OAK RIDGE NORTH TO CROSSTOWN (by J. B. Leavitt in 1921)

Prim Trav Sta No 2 J B L 1921 Mo 592 (previously described) -----	37 30 04.51	89 43 59.17	.....
T-rd. W. to Daisy -----	37 30 28.1	89 43 46.8	2,590
T-rd. W. -----	37 31 02.6	89 43 42.3	3,507
Hughes Creek, center of bridge over -----	37 31 40.2	89 44 04.3	4,201
T-rd. W. -----	37 31 57.0	89 44 19.0	2,071
T-rd. E. -----	37 32 20.2	89 44 19.4	2,344
Junction of rd. W. through gate -----	37 32 54.6	89 44 05.4	3,646
T. 33 N., R. 12 E., in NW 1/4 sec. 16, about 600 ft. E. of section line, 75 ft. S. of T-rd. N., 15 ft. W. of fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 11 J B L 1921 Mo 545" -----	37 33 01.14	89 43 38.02	2,337
T-rd. W. to Arnsberg -----	37 33 57.1	89 43 59.5	5,921
T-rd. S. -----	37 34 43.1	89 43 45.6	4,784
T-rd. W. -----	37 35 18.8	89 42 32.6	6,897
Appleton, center of bridge over Apple Creek -----	37 35 50.5	89 42 47.9	3,435
Uniontown, chiseled mark on gutter at NW. corner of crossroads -----	37 36 52.5	89 42 48.6	6,273
T-rd. N. -----	37 37 24.8	89 43 19.8	4,123
Center of concrete bridge -----	37 37 49.0	89 43 46.5	3,257
Uniontown, about 3 mi. NW. of, about 0.1 mi. S. of NW. cor. sec. 20, T. 34 N., R. 12 E., 40 ft. NE. of crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 12 J B L 1921 Mo 579" -----	37 38 32.11	89 44 28.43	5,515
Rd. in front of mail box of D. E. Clifton -----	37 39 20.6	89 44 29.0	4,914
Rd. fork W. -----	37 39 44.4	89 44 29.1	2,400
Rd. fork W. -----	37 40 23.9	89 44 19.6	4,072
Eureka School, 800 ft. SW. of, in sec. 5, T. 34 N., R. 12 E., on N. side of Wittenberg rd. at rd. S. to Unionville, in concrete post; standard tablet stamped "Prim Trav Sta No 14 J B L 1921 Mo 643" -----	37 40 43.55	89 44 12.69	2,064
Crossroads -----	37 41 15.6	89 44 12.3	3,241
T-rd. E. -----	37 41 54.8	89 44 11.2	3,968
T-rd. W. -----	37 42 40.9	89 43 55.2	4,820
Hager School, 350 ft. NW. of, 1 ft. S. of fence, in corner of schoolyard; iron post stamped "Prim Trav Sta No 15 J B L 1921 Mo 616" -----	37 42 55.14	89 43 55.65	1,442
T-rd. E. -----	37 43 19.0	89 43 56.2	2,411
Prim Trav Sta No 7 1913 Mo 570" (previously described) -----	37 44 44.42	89 43 38.81	8,758

5. FROM UNIONTOWN WEST INTO PERRYVILLE QUADRANGLE AT SEC. 31, T. 34 N., R. 12 E. (by J. B. Leavitt in 1921)

Uniontown, chiseled mark at crossroads (previously described) -----	37 36 52.5	89 42 48.6	.....
Rd. at creek crossing -----	37 36 25.2	89 43 50.4	5,690
Rd. forks -----	37 36 38.4	89 44 31.5	3,567
Schmurbusch Church, 0.2 mi. SE. of, on N. side of Uniontown-Biehle rd. at rd. NW., 20 ft. from center of rd.; iron post stamped "Prim Trav Sta No 16 J B L 1921 Mo 468" -----	37 36 40.56	89 44 54.93	1,895

(Continued in Perryville quadrangle; see line 4.)

6. FROM UNIONTOWN NORTHEAST TO WITTENBERG (by J. B. Leavitt in 1921)

Uniontown, chiseled mark at crossroads (previously described) -----	37 36 52.5	89 42 48.6	.....
Uniontown, about 500 ft. E. of crossroads, on S. side of rd., 2 ft. N. of picket fence, 4 ft. W. of telephone pole, in concrete post; standard tablet stamped "Prim Trav Sta No 22 J B L 1921 Mo 578" -----	37 36 55.02	89 42 43.02	519
Rd. fork N. -----	37 37 00.7	89 42 00.8	3,447
Rd. fork S. -----	37 36 44.8	89 41 15.8	3,970
T-rd. S. to dwelling -----	37 36 40.4	89 40 35.5	3,279
T-rd. S. -----	37 36 44.8	89 40 07.8	2,276

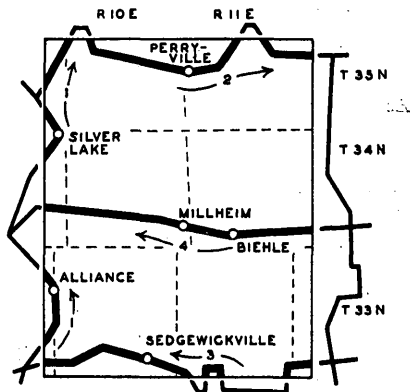
Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 34 N., R. 12 E., in SE 1/4 sec. 25, 100 ft. NE. of large iron bridge over Indian Creek, 50 ft. N. of T-rd. NW.; iron post stamped "Prim Trav Sta No 23 J B L 1921 Mo 377" -----	37 37 09.06	89 39 16.37	4,806
Rd. fork S. -----	37 37 06.8	89 38 28.7	3,847
T-rd. W. to dwelling -----	37 37 30.7	89 38 08.2	2,927
Prohna, 1 ft. NE. of NE. corner of post building, 30 ft. E. of center of rd.; iron post stamped "Prim Trav Sta No 24 J B L 1921 Mo 594" -----	37 38 17.67	89 37 14.69	6,408
Rd. fork S. -----	37 37 49.0	89 36 25.3	4,924
T-rd. S. to Pocaahontas -----	37 37 42.5	89 35 57.0	2,377
Altenburg, crossroads -----	37 37 51.2	89 35 06.4	4,168
Altenburg, 1 mi. E. of post office, along rd. to Wittenberg, 40 ft. E. of T-rd. S., 5 ft. inside fence corner; iron post stamped "Prim Trav Sta No 25 J B L 1921 Mo 577" -----	37 37 52.66	89 34 16.10	4,050
Rd. fork E. -----	37 36 29.5	89 33 38.3	4,809
Crossroads -----	37 36 40.7	89 33 17.6	2,040
T-rd. N. -----	37 36 45.3	89 33 02.4	1,315
Wittenberg, 770 ft. E. of St. Louis-San Francisco Ry. sta., on W. side of R.R., 3 ft. E. of fence; iron post stamped "Prim Trav Sta No 26 J B L 1921 Mo" -----	37 39 33.27	89 31 28.28	8,989

7. FROM NEKLYS LANDING NORTH AND NORTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY INTO CAMPBELL HILL QUADRANGLE (by J. B. Leavitt in 1921)

Prim Trav Sta No 10 J B L 1921 Mo 352 -----	37 30 11.79	89 30 06.98	.....
R.R. at milepost 114 -----	37 30 37.4	89 30 13.2	2,640
R.R. at milepost 113 -----	37 31 20.0	89 30 42.9	4,924
Lovejoy Creek, center of bridge over -----	37 31 59.6	89 31 10.4	4,577
R.R. at milepost 111 -----	37 32 55.4	89 31 26.7	5,791
Apple Creek, center of bridge over -----	37 33 55.2	89 31 38.6	6,118
Gerler, 150 ft. N. of sta. board, E. of track; iron post stamped "Prim Trav Sta No 27 J B L 1921 Mo" -----	37 34 19.04	89 31 32.95	2,456
R.R. at milepost 109 -----	37 34 36.7	89 31 30.2	1,797
R.R. at milepost 108 -----	37 35 28.4	89 31 24.8	5,243
R.R. at milepost 107 -----	37 36 16.6	89 31 08.9	5,039
M.R.C. iron post (designation unknown) -----	37 36 36.49	89 31 03.43	2,059
Pitt, 1,550 ft. N. of sta., on bank of Mississippi River, E. of track; iron post stamped "Prim Trav Sta No 28 J B L 1921 Mo" -----	37 36 48.12	89 30 58.48	1,241
R.R. at milepost 106 -----	37 37 07.3	89 30 48.4	2,098
R.R. at rd. crossing -----	37 37 51.3	89 30 59.4	4,543
R.R. at milepost 104 -----	37 38 47.6	89 31 11.8	5,767
Simpson triangulation sta.; M.R.C. chiseled mark designated "Simpson 249" -----	37 38 52.90	89 31 10.42	551
Prim Trav Sta No 26 J B L 1921 Mo (previously described) -----	37 39 33.27	89 31 28.28	4,343
R.R. at milepost 102 -----	37 40 27.2	89 31 24.9	5,469
R.R. at milepost 101 -----	37 41 26.4	89 31 23.8	5,997
R.R. at milepost 100 -----	37 41 50.0	89 32 08.7	4,331
R.R. at milepost 99 -----	37 42 02.7	89 33 11.4	5,212
Trestle 98.4, center of -----	37 42 12.1	89 33 48.0	3,103
Starland, 100 ft. S. of sta. board, W. of track; iron post stamped "Prim Trav Sta No 29 J B L 1921 Mo" -----	37 42 32.96	89 35 06.75	6,677
R.R. at milepost 96 -----	37 42 57.1	89 36 09.0	5,576
Seventysix, 520 ft. N. of sta., W. of track; iron post stamped "Prim Trav Sta No 30 J B L 1921 Mo" -----	37 43 15.58	89 36 51.80	3,922
R.R. at milepost 94 -----	37 43 58.3	89 37 59.5	6,982
R.R. at milepost 93 -----	37 44 23.4	89 38 55.5	5,174
M.R.C. B.M. designated "42" (In Campbell Hill quadrangle; see line 1.) -----	37 45 09.65	89 40 45.40	(9,998)

Magnetic declination in 1922, 4° 45' E.

PERRYVILLE QUADRANGLE
(Latitude 37°30'-37°45'; longitude 89°45'-90°00')
Bollinger, Cape Girardeau, and Perry Counties



1. FROM HIGDON QUADRANGLE AT SEC. 24, T. 33 N., R. 9 E., NORTH INTO
CHESTER QUADRANGLE AT SEC. 17, T. 35 N., R. 10 E. (by J. R. Ellis
in 1907)
(Continued from Higdon quadrangle; see line 2.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 33 N., R. 9 E., stone at NE. cor. sec. 24, near entrance to lane -----	37 32 19.9	89 59 36.8	(7,330)
Farmington-Jackson rd. at rd. N. -----	37 33 12.3	89 59 14.9	5,584
Alliance, T-rd. W. at church -----	37 33 41.8	89 59 47.5	3,980

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

Silver Lake, T-rd. S. near Catholic Church -----	37 41 01.2	89 59 29.2	(12,560)
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(For balance in Higdon quadrangle, see line 2.)

Farmington-Perryville rd. at rd. S. to Silver Lake -----	37 43 58.3	89 59 22.1	(4,260)
Farmington-Perryville rd. at junction of rd., 400 ft. W. of dwelling of Henry Huber -----	37 44 15.3	89 58 51.8	2,973

(Continued in Chester quadrangle; see line 2.)

2. FROM CHESTER QUADRANGLE AT SEC. 17, T. 35 N., R. 10 E., EAST ALONG
FARMINGTON ROAD TO PERRYVILLE, THENCE EAST ALONG ROADS INTO
ALTENBURG QUADRANGLE AT SEC. 18, T. 35 N., R. 12 E. (by
J. H. Wilson in 1913)
(Continued from Chester quadrangle; see line 2.)

Rd. junction, 450 ft. SE. of dwelling -----	37 44 30.8	89 57 37.8	(5,090)
Junction of rd. S., 50 ft. W. of mail box of J. Tucker -----	37 44 22.6	89 56 56.5	3,421
Junction of rd. N. -----	37 44 23.2	89 56 12.4	3,549
Saline Creek, N. end of bridge over -----	37 44 18.0	89 55 22.2	4,146
Junction of rd. S. -----	37 43 48.2	89 54 44.3	4,232
Perryville, 1.2 mi. W. of, at water tank of St. Mary's Seminary -----	37 43 34.5	89 53 31.5	6,011
Perryville, W. limits of, Cape Girardeau Northern Ry. (now abandoned) at rd. crossing -----	37 43 35.7	89 53 01.6	2,413
Perryville, at E. entrance to courthouse, in S. end of bottom step; standard tablet stamped "Prim Trav Sta No 6 1913" -----	37 43 30.6	89 51 44.6	6,205
Rd. fork -----	37 43 32.8	89 51 06.7	3,060
T-rd. N. -----	37 44 12.7	89 49 47.6	7,526

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

Cinque Hommes Creek, W. end of ford across -----	37 44 52.4	89 47 47.7	(3,630)
T-rd. S. -----	37 44 41.6	89 47 01.2	3,892
Rd. in front of large dwelling -----	37 44 24.3	89 46 13.9	4,180
Rd. at W. edge of ford across creek -----	37 44 26.3	89 45 16.3	4,474

(Continued in Altenburg quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
3. FROM ALTENBURG QUADRANGLE AT SEC. 31, T. 33 N., R. 12 E., WEST INTO HIGDON QUADRANGLE AT SEC. 36, T. 33 N., R. 9 E. (by J. B. Leavitt in 1921) (Continued from Altenburg quadrangle; see line 3.)			
T-rd. S. -----	37 30 02.5	89 45 25.5	(2,630)
(For balance in Marble Hill quadrangle, see line 3.)			
T-rd. S. -----	37 30 01.4	89 50 50.9	(3,080)
(For balance in Marble Hill quadrangle, see line 3.)			
T-rd. N., 40 ft. S. of large walnut tree -----	37 30 14.3	89 52 29.6	(2,630)
Crossroads, 1 mi. E. of Sedgewickville -----	37 30 45.2	89 53 35.0	6,129
Sedgewickville, about 1,000 ft. W. of post office, 125 ft. SW. of Lutheran Parsonage, 10 ft. SW. of large maple tree, in SE. corner of field; iron post stamped "Prim Trav Sta No 5 J B L 1921 Mo 642" -----	37 30 56.24	89 54 31.22	4,670
Rd. forks -----	37 30 55.8	89 55 13.9	3,443
T-rd. S. -----	37 31 02.5	89 56 18.4	4,855
Rd. corner -----	37 31 01.4	89 57 10.3	4,590
Rd. fork 3. near Flatwood Church -----	37 30 52.1	89 57 41.7	2,696
Patton, 2.9 mi. E. of, along rd. to Oak Ridge, 50 ft. SW. of Flatwood School, 20 ft. SW. of well, 2 ft. S. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 6 J B L 1921 Mo 722" -----	37 30 46.03	89 57 59.13	1,536
Rd. in front of dwelling -----	37 30 36.0	89 58 49.9	4,218
T-rd. N. -----	37 30 31.7	89 59 07.0	1,446
T-rd. S., 10 ft. NE. of limestone rock marked "NE. cor Sur 778" -----	37 30 26.9	89 59 22.7	1,349
(Continued in Higdon quadrangle; see line 5.)			

4. FROM ALTENBURG QUADRANGLE AT SEC. 31, T. 34 N., R. 12 E., WEST BY WAY
OF BIEHLE AND MILLHEIM INTO HIGDON QUADRANGLE AT SEC. 25, T. 34 N.,
R. 9 E. (by J. B. Leavitt in 1921)
(Continued from Altenburg quadrangle; see line 5.)

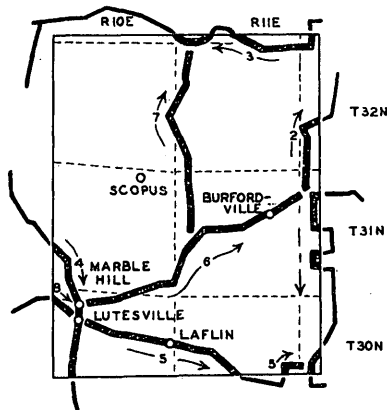
T-rd. S. -----	37 36 32.2	89 45 35.0	(3,330)
T-rd. N. -----	37 36 43.2	89 46 41.5	5,457
T-rd. S. to Friedheim -----	37 36 39.4	89 46 58.0	1,382
Rd. fork S. -----	37 36 24.8	89 47 57.2	4,986
Biehle, 2 mi. E. of, along rd. to Schnurbusch, near center sec. 34, T. 34 N., R. 11 E., about 100 ft. E. of creek, 10 ft. E. of 24-in. black-oak tree, 3 ft. N. of wire fence, S. of rd.; iron post stamped "Prim Trav Sta No 17 J B L 1921 Mo 454" -----	37 36 31.35	89 48 20.25	1,970
Crossroads -----	37 36 34.3	89 48 53.2	2,665
Center of small bridge -----	37 36 34.5	89 49 09.7	1,328
Corner stone -----	37 36 24.5	89 49 42.4	2,818
Biehle, 350 ft. NW. of rd. junction, 10 ft. from fence corner, 20 ft. from private driveway; iron post stamped "Prim Trav Sta No 18 J B L 1921 Mo 527" -----	37 36 07.69	89 50 11.27	2,878
Apple Creek, center of bridge over -----	37 36 19.6	89 50 45.0	2,968
T-rd. N. -----	37 36 23.1	89 51 57.7	5,863
Millheim, about 350 ft. W. of mill, 40 ft. N. of creek, 10 ft. S. of rd.; iron post stamped "Prim Trav Sta No 19 J B L 1921 Mo 581" -----	37 37 02.25	89 53 18.21	7,593
T-rd. N. -----	37 37 26.2	89 54 10.3	4,839
Rd. at drain -----	37 37 26.0	89 55 01.4	4,117
Millheim, 2.9 mi. W. of, along rd. to Yount, 0.2 mi. N. of center sec. 28, T. 34 N., R. 10 E., 20 ft. NE. of junction of Greenville-Perryville and Uniontown-Yount rds.; iron post stamped "Prim Trav Sta No 20 J B L 1921 Mo 826" -----	37 37 24.83	89 56 05.87	5,184
T-rd. E. -----	37 37 20.2	89 56 45.9	3,172
T-rd. W. -----	37 37 06.1	89 56 51.0	1,507
Lukefahr School, creek crossing N. of -----	37 37 04.5	89 57 18.9	2,245
Rd. between blazed trees -----	37 37 12.2	89 58 03.3	3,658
T-rd. S. -----	37 37 12.4	89 58 18.7	1,237
Crossroads -----	37 37 15.9	89 58 52.4	2,729
(Continued in Higdon quadrangle; see line 6.)			

Magnetic declination in 1923, 4°30'E.

TRANSIT TRAVERSE IN MISSOURI

MARBLE HILL QUADRANGLE
(Latitude $37^{\circ}15' - 37^{\circ}30'$; longitude $89^{\circ}45' - 90^{\circ}00'$)

Bollinger and Cape Girardeau Counties



1. FROM CAPE GIRARDEAU QUADRANGLE AT POINT THREE MILES EAST OF BURFORDVILLE SOUTH INTO ADVANCE QUADRANGLE AT SEC. 19, T. 30 N., R. 12 E. (by B. H. Yoakum in 1920)
(Continued from Cape Girardeau quadrangle; see line 3.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Burfordville, 3 mi. E. of, along rd. to Jackson, 45 ft. S. 27° W. from rd. fork S., 58 ft. S. of hickory tree on N. side of rd., 1 ft. from fence on W. side of rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 7 1920 Mo 455" -----	37 22 47.24	89 45 14.22	(2,395)
Oak tree at rd. forks -----	37 21 45.4	89 45 25.8	6,320
Cane Creek, center of bridge over -----	37 21 30.4	89 45 12.7	1,852

(For balance in Cape Girardeau quadrangle, see line 4.)

Tilsit, 0.8 mi. NW. of, in NE $1/4$ sec. 30, T. 31 N., R. 12 E., 150 ft. W. of small bridge, 15 ft. S. of T-rd. N., 2 ft. from fence on S. side of rd.; iron post stamped "Prim Trav Sta No 8 1920 Mo 407" -----	37 20 12.22	89 45 04.16	(1,700)
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(For balance in Cape Girardeau quadrangle, see line 4.)

Whitewater, 3 mi. NE. of, 800 ft. SE. of Maple Grove School, at rd. forks; 70 ft. SE. of center of bridge, 28 ft. SE. of birch tree, E. of rd., 2 ft. from fence, in concrete post; standard tablet stamped "Prim Trav Sta No 10 1920 Mo 362" -----	37 15 29.78	89 45 09.38	(6,270)
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(Continued in Advance quadrangle; see line 1.)

2. FROM POINT THREE MILES EAST OF BURFORDVILLE NORTH INTO CAPE GIRARDEAU QUADRANGLE AT SEC. 19, T. 32 N., R. 12 E. (by J. B. Leavitt in 1921)

Prim Trav Sta No 7 1920 Mo 455 (previously described) -----	37 22 47.24	89 45 14.22	.....
T-rd. N. -----	37 22 45.8	89 46 05.6	4,147
Big Spring School, T-rd. S. -----	37 24 28.4	89 45 55.2	10,405
Rd. corner -----	37 25 02.8	89 45 51.9	3,493
T-rd. E. -----	37 25 37.5	89 45 47.2	3,530
T-rd. N. -----	37 25 55.6	89 46 02.2	2,193
T-rd. N. -----	37 26 20.9	89 45 00.4	5,598

(Continued in Cape Girardeau quadrangle; see line 6.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
3. FROM PERRYVILLE QUADRANGLE AT SEC. 31, T. 33 N., R. 12 E., WEST INTO PERRYVILLE QUADRANGLE AT SEC. 31, T. 33 N., R. 11 E. (by J. B. Leavitt in 1921) (Continued from Perryville quadrangle; see line 3.)			
Cape Girardeau Northern Ry. (now abandoned) at rd. crossing -----	37 29 35.5	89 45 28.3	(2,740)
Fulbright School, T-rd. S. -----	37 29 25.8	89 46 26.9	4,828
T-rd. S. -----	37 29 28.1	89 46 54.4	2,229
Oak Ridge, 4.3 mi. W. of, along rd. to Sedgewickville, near center of N 1/2 sec. 2, T. 32 N., R. 11 E., 75 ft. NE. of crossroads, 10 ft. SE. of large white-oak tree, in concrete post; standard tablet stamped "Prim Trav Sta No 3 J B L 1921 Mo 553" -----	37 29 17.15	89 47 50.30	4,641
T-rd. S. -----	37 29 15.1	89 48 25.4	2,841
Caney Fork, center of crossing -----	37 29 24.4	89 49 01.1	3,028
Caney Fork Church, T-rd. N. -----	37 29 42.6	89 49 17.4	2,264
T-rd. N. to Daisy -----	37 29 55.5	89 50 13.4	4,699
(For balance in Perryville quadrangle, see line 3.)			
Whitewater River, center of bridge over -----	37 29 53.7	89 51 30.2	(3,260)
Rd. fork W. -----	37 29 54.2	89 52 00.6	2,456
Sedgewickville, 2.5 mi. E. of, along rd. to Oak Ridge, 500 ft. N. of rd. forks, 200 ft. SW. of farmhouse, on E. side of main rd., 2 ft. from fence, in concrete post; standard tablet stamp- ed "Prim Trav Sta No 4 J B L 1921 Mo 461" -----	37 29 58.64	89 52 03.51	494
(Continued in Perryville quadrangle; see line 3.)			

4. FROM MARQUAND QUADRANGLE SOUTH ALONG STATE HIGHWAY 51 INTO ADVANCE
QUADRANGLE (by J. L. Sanders in 1926)
(Continued from Marquand quadrangle; see line 3.)

T. 31 N., R. 10 E., stone near W. cor. secs. 19 and 30 -----	37 20 35.4	89 59 36.8	(5,570)
Junction of private rd. -----	37 19 51.5	89 59 13.8	4,812
Lutesville, 2 mi. N. of, along State Highway 51, in NW 1/4 sec. 31, T. 31 N., R. 10 E., in N. end of E. wing wall of concrete culvert; standard tablet stamped "P T Sta No 40 S 1926"-----	37 19 21.68	89 59 15.73	3,020
Rd. junction -----	37 18 39.4	89 59 07.4	4,324
Lutesville, 212 ft. N. of Missouri Pacific R.R. at public rd. crossing, 150 ft. W. of Presbyterian Church, in SW. corner of yard of Fred Elfrank, in N. edge of concrete sidewalk; standard tablet stamped "P T Sta No 41 S 1926"-----	37 18 02.69	89 58 48.09	4,032
Lutesville, crossroad near S. limits of -----	37 17 46.2	89 58 46.1	1,673
T. 30 N., R. 10 E., E. sixteenth cor. sec. 7, old rd. at fences E. and W. -----	37 17 10.5	89 58 48.8	3,617
T. 30 N., R. 10 E., N. sixteenth cor. sec. 19, crossroad -----	37 15 36.9	89 59 06.8	9,579
Lutesville, 3.2 mi. S. of, along State Highway 51, 380 ft. N. of center sec. 19, T. 30 N., R. 10 E., in S. end of W. wing wall of concrete culvert; standard tablet stamped "P T Sta No 42 S 1926" -----	37 15 27.13	89 59 06.96	990
(Continued in Advance quadrangle; see line 3.)			

5. FROM LUTESVILLE SOUTHEAST ALONG MISSOURI PACIFIC RAILROAD TO SEC. 21,
T. 30 N., R. 11 E., THENCE NORTHEAST ALONG ROADS TO SEC. 19,
T. 30 N., R. 12 E. (by J. L. Sanders in 1926)

P T Sta No 41 S 1926 (previously described) -----	37 18 02.69	89 58 48.09	.....
Crooked Creek, center of bridge over -----	37 17 38.8	89 58 07.6	4,070
Concrete milepost -----	37 17 14.0	89 57 15.1	4,923
Lutesville, 3 mi. E. of, along Missouri Pacific R.R., 39 ft. N. of R.R. at crossing of Leopold-Marble Hill rd., in W. wall of concrete culvert; standard tablet stamped "P T Sta No 46 S 1926" -----	37 16 59.00	89 55 43.42	7,562
Crooked Creek, center of bridge 895 over -----	37 16 47.8	89 54 38.3	5,382
Lafin, in NE 1/4 sec. 13, T. 30 N., R. 10 E., in E. end of concrete porch of store of Elfrink & Son; standard tablet stamped "P T Sta No 47 S 1926" -----	37 16 35.13	89 53 16.68	6,720
Crooked Creek, center pier of bridge 897 over ---	37 16 27.0	89 52 45.8	2,623
R.R. at Bollinger-Cape Girardeau county line -----	37 16 13.0	89 51 43.9	5,204
R.R. at rd. crossing -----	37 16 16.9	89 51 16.4	2,254

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Lafin, 3.5 mi. E. of, along Missouri Pacific R.R., 0.3 mi. E. of R.R. bridge 899, 45 ft. S. and 24 ft. W. of R.R. at Marble Hill-White-water rd. crossing, in large sandstone rock; standard tablet stamped "P T Sta No 48 S 1926"-	37 15 18.64	89 50 04.23	8,292
Center of bridge 900 -----	37 15 00.7	89 49 41.6	2,577
(For balance in Advance quadrangle, see line 4.)			
Crossroads -----	37 15 14.3	89 46 43.6	(2,960)
Concrete culvert -----	37 15 13.0	89 46 10.6	2,665
Prim Trav Sta No 10 1920 Mo 362 (previously described) -----	37 15 29.78	89 45 09.38	5,233

6. FROM MARBLE HILL NORTHEAST ALONG STATE HIGHWAY 34 TO POINT THREE MILES NORTHEAST OF BURFORDVILLE (by J. L. Sanders in 1926)

P T Sta No 41 S 1926 (previously described) -----	37 18 02.69	89 58 48.09	.....
Junction of rd. N. -----	37 18 19.7	89 57 44.2	5,440
Junction of rd. SW. -----	37 18 19.3	89 56 54.3	4,039
Marble Hill, 2.3 mi. E. of, along State Highway 34, in NW 1/4 sec. 3, T. 30 N., R. 10 E., 700 ft. E. of farmhouse of Jeff Wisecarver, in N. wing wall of concrete culvert; standard tablet stamped "P T Sta No 50 S 1926" -----	37 18 36.66	89 55 54.68	5,123
Junction of rd. S. -----	37 18 40.9	89 55 34.1	1,720
Drunken Creek, center of bridge over -----	37 18 52.9	89 55 04.0	2,720
Junction of rd. N. -----	37 18 55.8	89 54 48.2	1,311
Hog Creek, center of bridge over -----	37 19 00.6	89 53 36.0	5,851
Huskey School, 4.9 mi. NE. of Marble Hill, along State Highway 34, 110 ft. W. of school, 60 ft. E. of rd. junction, in S. wing wall of concrete culvert; standard tablet stamped "P T Sta No 51 S 1926" -----	37 19 09.68	89 53 15.51	1,895
Junction of rd. E. -----	37 19 24.2	89 53 01.7	1,847
Rd. junction -----	37 19 55.6	89 52 58.9	3,180
Highway at fence E., about 350 ft. W. of W. cor. secs. 19 and 30, T. 31 N., R. 11 E. -----	37 20 25.0	89 52 52.2	3,022
Junction of rd. S. -----	37 20 48.1	89 52 37.9	2,605
Burfordville, 4.1 mi. W. of, along State Highway 34, near quarter cor. between secs. 18 and 19, T. 31 N., R. 11 E., 500 ft. NE. of junction of rd., 480 ft. SW. of Wm. Riehm's farmhouse, in W. wing wall of concrete culvert; standard tablet stamped "P T Sta No 52 S 1926 658" -----	37 21 22.14	89 52 11.09	4,067
Highway at Bollinger-Cape Girardeau county line -----	37 21 34.6	89 51 44.1	2,515
Junction of rd. N. -----	37 21 33.1	89 50 05.1	7,992
Junction of private rd. N. -----	37 21 51.7	89 49 15.0	4,465
Junction of lane N. -----	37 22 02.3	89 48 35.2	3,385
Burfordville, 330 ft. E. of post office, in SE. corner of concrete porch of garage of P. H. Holmes; standard tablet stamped "P T Sta No 53 S 1926 389" -----	37 22 03.98	89 48 11.29	1,939
Junction of rds. -----	37 22 19.3	89 47 35.8	3,259
Junction of rd. N. -----	37 22 45.1	89 47 13.4	3,173
Junction of rd. N. -----	37 22 45.8	89 46 05.5	5,488
Prim Trav Sta No 7 1920 Mo 455 (previously described) -----	37 22 47.24	89 45 14.22	4,139

7. FROM SEC. 18, T. 31 N., R. 11 E., NORTH TO SEC. 31, T. 33 N., R. 11 E. (by J. L. Sanders in 1926)

P T Sta No 52 S 1926 658 (previously described)-	37 21 22.14	89 52 11.09	.....
Hamestring School, T-rd. W. -----	37 21 39.8	89 52 33.8	2,558
T-rd. S. -----	37 22 25.0	89 52 32.6	4,576
Crossroads, at dwelling of Dan Long -----	37 23 04.8	89 52 32.3	4,022
Scopus, 2.2 mi. E. of post office, 440 ft. S. of lot corner which is 0.8 mi. N. of SW. cor. sec. 6, T. 31 N., R. 11 E., 75 ft. NW. of farmhouse of John J. Hahn, on W. side of entrance to barn lot, near fence post, in limestone boulder; standard tablet stamped "P T Sta No 54 S 1926 597" -----	37 23 38.98	89 52 46.92	3,657
Gate between two large white-oak trees -----	37 24 18.4	89 52 35.9	4,083
Rd. corner from E.-N. -----	37 24 51.9	89 52 45.5	3,476
Little Whitewater River, center of ford across -----	37 25 49.3	89 53 26.7	6,690
Scopus, 3 mi. NE. of post office, in NW 1/4 sec. 24, T. 32 N., R. 10 E., 0.2 mi. W. of O. S. Propst's farmhouse, 24 ft. N. and 27 ft. W. of T-rd. N., in fence corner, in sandstone ledge; standard tablet stamped "P T Sta No 55 S 1926 523" -----	37 26 26.77	89 53 48.45	4,177
Junction of private rd. E. -----	37 26 53.2	89 53 36.5	2,843
Little Muddy Creek, center of ford across -----	37 27 37.2	89 52 51.2	5,761

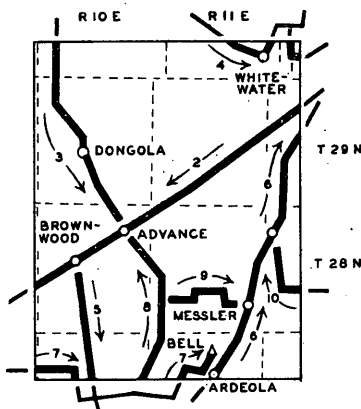
Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 32 N., R. 11 E., in NW 1/4 sec. 7, 218 ft. S. of U.S. Highway 61 at crossroad, 300 ft. SW. of J. W. Johnson's farmhouse, on E. side of rd., in fence corner, in concrete post; standard tablet stamped "P T Sta No 56 S 1926 631" -----	37 28 19.77	89 52 43.76	4,343
T. 32 N., R. 11 E., W. cor. secs. 6 and 7, corner fence post -----	37 28 36.8	89 52 48.7	1,755
Junction of dim rd. W. to church -----	37 28 52.8	89 52 42.3	1,708
Center of gate at entrance to barn lot of John Pulliam -----	37 29 41.1	89 52 25.0	5,083
Prim Trav Sta No 4 J B L 1921 Mo 461 (previously described) -----	37 29 58.64	89 52 03.51	2,480

8. FROM MARQUAND QUADRANGLE SOUTHEAST ALONG STATE HIGHWAY 34 TO LUTESVILLE (by W. C. Elledge in 1931)
(Continued from Marquand quadrangle; see line 4.)

Junction of rd. NE. -----	37 18 30.8	89 59 36.9	(5,569)
P T Sta No 41 S 1926 (previously described) -----	37 18 02.69	89 58 48.09	4,855

Magnetic declination in 1933, 4°45'E.

ADVANCE QUADRANGLE
(Latitude 37°00'-37°15'; longitude 89°45'-90°00')
Bollinger, Cape Girardeau, Scott, and Stoddard Counties



1. FROM MARBLE HILL QUADRANGLE AT SEC. 19, T. 30 N., R. 12 E., SOUTH AND EAST INTO MORLEY QUADRANGLE AT SEC. 30, T. 30 N., R. 12 E. (by B. H. Yoakum in 1920)
(Continued from Marble Hill quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Rd. W. through gate, 5 ft. W. of drainage ditch--	37 14 35.2	89 45 10.0	(5,520)

(Continued in Morley quadrangle; see line 1.)

2. FROM MORLEY QUADRANGLE SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY INTO ZALMA QUADRANGLE (by C. R. Fisher in 1924)
(Continued from Morley quadrangle; see line 2.)

R.R. at rd. crossing -----	37 10 43.2	89 46 28.6	(8,330)
Cliff, at N. end of siding, R.R. at rd. crossing--	37 10 07.8	89 47 18.5	5,401
R.R. at rd. crossing -----	37 09 55.9	89 47 35.4	1,819
Arbor, 80 ft. E. of post office, 100 ft. N. of St. Louis-San Francisco Ry. sta., 50 ft. NW. of track, 50 ft. N. of rd., 50 ft. E. of dwelling; iron post stamped "Prim Trav Sta No 5 F 1924 340" -----	37 09 29.07	89 48 19.25	4,468
T. 29 N., R. 11 E., cor. secs. 22, 23, 26, and 27 -----	37 09 18.5	89 48 41.1	2,078
R.R. at milepost 152 -----	37 08 56.4	89 49 20.8	3,905
Rd. forks S. of R.R. -----	37 08 43.9	89 49 43.4	2,220

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
R.R. at rd. crossing -----	37 08 23.5	89 50 23.9	3,870
Green Cox, 300 ft. SW. of St. Louis-San Francisco Ry. sta. signboard, 100 ft. SE. of R.R., 30 ft. SE. of rd.; iron post stamped "Prim Trav Sta No 6 F 1924 Mo 336" -----	37 08 19.00	89 50 30.04	675
R.R. at rd. crossing -----	37 08 15.9	89 50 38.4	741
Center of trestle 154.1 -----	37 07 56.7	89 51 15.3	3,569
Advance, 3 mi. NE. of, 50 ft. N. of St. Louis-San Francisco Ry., 5 ft. S. of fence corner at corner of Bollinger and Cape Girardeau Counties on Stoddard county line; iron post stamped "Prim Trav Sta No 7 F 1924 Mo 347" -----	37 07 34.57	89 51 58.88	4,175
R.R. at milepost 156 -----	37 07 03.2	89 52 58.0	5,744
Tps. 28 and 29 N., Rs. 10 and 11 E., cor. of -----	37 07 34.9	89 53 10.7	3,373
R.R. at rd. crossing -----	37 06 41.6	89 53 39.4	5,874
Advance, in SW. corner of schoolyard; iron post stamped "Prim Trav Sta No 8 F 1924 Mo 361" -----	37 06 16.62	89 54 32.58	4,992
R.R. at rd. crossing near milepost 158 -----	37 06 05.3	89 54 48.8	1,741
R.R. at rd. crossing near milepost 159 -----	37 05 34.1	89 55 48.7	5,780
Center of trestle A-159.6 -----	37 05 18.7	89 56 18.3	2,860
R.R. at rd. crossing -----	37 04 48.0	89 57 17.2	5,700
Brownwood, 250 ft. E. of junction of Bloomfield and Hoxie branches of St. Louis-San Francisco Ry., 30 ft. S. of R.R., 10 ft. N. of rd., in garden; iron post stamped "Prim Trav Sta No 9 F 1924 Mo 353" -----	37 04 42.00	89 57 27.98	1,056
Castor River, center of bridge over -----	37 04 20.6	89 58 09.7	4,007
R.R. at rd. crossing -----	37 04 04.8	89 58 40.1	2,941
T. 28 N., Rs. 9 and 10 E., cor. secs. 25, 30, 31, and 36 -----	37 03 16.7	89 59 44.2	7,113

(Continued in Zalma quadrangle; see line 1.)

3. FROM MARBLE HILL QUADRANGLE SOUTHEAST ALONG STATE HIGHWAY 51 TO SEC. 17, T. 29 N., R. 10 E., THENCE SOUTH ALONG ROADS TO DONGOLA, THENCE EAST ALONG ROADS TO STATE HIGHWAY 91, THENCE SOUTHEAST ALONG HIGHWAY TO ADVANCE (by J. L. Sanders in 1926)

(Continued from Marble Hill quadrangle; see line 4.)

T. 30 N., R. 10 E., quarter cor. between secs. 19 and 30, junction of rd. E. -----	37 14 55.9	89 59 06.9	(3,160)
Junction of rd. E. -----	37 13 37.0	89 58 50.4	8,093
T. 29 N., R. 10 E., N. cor. secs. 5 and 6, junction of dim rd. E. -----	37 13 09.7	89 58 41.4	2,855
Lutesville, 6.5 mi. S. of, along State Highway 51, near quarter cor. between secs. 5 and 6, T. 29 N., R. 10 E., at angle in highway from N. to SE., 225 ft. SE. of M. S. Beker's farmhouse, in W. end of N. wing wall of concrete culvert; standard tablet stamped "P T Sta No 43 S 1926" -----	37 12 48.09	89 58 40.25	2,184
Junction of rd. W. -----	37 12 23.4	89 58 18.7	3,050
Junction of rd. E. -----	37 11 19.2	89 57 42.9	7,110
Junction of rd. W., near bridge -----	37 10 15.2	89 57 49.9	6,498
Dongola, in SE 1/4 NE 1/4 sec. 20, T. 29 N., R. 10 E., 36 ft. S. and 30 ft. E. of junction of State Highway 51 and Greenbrier rd., in concrete post; standard tablet stamped "P T Sta No 44 S 1926" -----	37 10 01.95	89 57 43.65	1,435
Rd. corner from N.-E. -----	37 10 00.7	89 57 00.9	3,465
Crossroad -----	37 09 21.8	89 56 18.2	5,237
Crossroad -----	37 09 03.8	89 55 45.2	3,241
Castor River diversion channel, center of bridge over -----	37 08 47.8	89 55 01.4	3,901
Advance, 2.5 mi. N. of, along State Highway 91, in NE 1/4 NE 1/4 sec. 35, T. 29 N., R. 10 E., 400 ft. N. of dwelling of F.-O. Schlafitz, in W. wing wall of concrete culvert; standard tablet stamped "P T Sta No 45 S 1926" -----	37 08 19.78	89 54 32.76	3,665
Highway at Bollinger-Stoddard county line -----	37 07 36.0	89 54 32.5	4,432
Prim Trav Sta No 8 F 1924 Mo 361 (previously described) -----	37 06 16.62	89 54 32.58	8,026

4. FROM MARBLE HILL QUADRANGLE SOUTHEAST ALONG MISSOURI PACIFIC RAILROAD TO WHITEWATER, THENCE NORTHEAST ALONG ROADS INTO MARBLE HILL QUADRANGLE AT SEC. 24, T. 30 N., R. 11 E. (by J. L. Sanders in 1926)

(Continued from Marble Hill quadrangle; see line 5.)

R.R. at rd. crossing -----	37 14 26.8	89 48 25.2	(7,065)
Whitewater, 3 ft. NW. of SW. corner of Whitewater Bank, in concrete sidewalk; standard tablet stamped "P T Sta No 49 S 1926" -----	37 14 12.60	89 47 45.51	3,519
T-rd. W. -----	37 14 48.2	89 47 00.2	5,136

(Continued in Marble Hill quadrangle; see line 5.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet

5. FROM BROWNWOOD SOUTH ALONG ST. LOUIS-SAN FRANCISCO RAILWAY (now abandoned) INTO BLOOMFIELD QUADRANGLE (by J. L. Sanders in 1926)

Prim Trav Sta No 9 F 1924 Mo 353 (previously described) -----	37 04 42.00	89 57 27.98	.....
R.R. grade at rd. crossing -----	37 03 15.2	89 57 22.9	8,794
R.R. grade at rd. crossing -----	37 02 38.3	89 57 18.1	3,747
R.R. grade at milepost Q-164 -----	37 02 08.5	89 56 54.2	3,596
Swinton, 300 ft. NW. of sta., 108 ft. W. of track, in NE. corner of concrete porch of filling sta. of J. F. Brewster; standard tablet stamped "P T Sta No 95 S 1926" -----	37 01 40.08	89 56 41.68	3,046
R.R. grade at rd. crossing -----	37 00 47.3	89 56 26.5	3,484
R.R. grade at rd. crossing -----	37 00 20.0	89 56 17.5	2,857

(Continued in Bloomfield quadrangle; see line 1.)

6. FROM BLOOMFIELD QUADRANGLE NORTHEAST ALONG ST. LOUIS SOUTHWESTERN RAILWAY INTO MORLEY QUADRANGLE (by J. L. Sanders in 1926)

(Continued from Bloomfield quadrangle; see line 1.)

R.R. at fork of switch -----	37 00 09.0	89 50 46.1	(2,200)
R.R. at culvert 33 -----	37 00 46.0	89 49 59.4	5,323
Bell City, 5 ft. N. of front door of Bell City Bank, in NW. corner of step; standard tablet stamped "P T Sta No 99 S 1926" -----	37 01 24.86	89 49 13.35	5,421
R.R. at rd. crossing -----	37 02 18.3	89 48 11.4	7,382
R.R. at rd. crossing -----	37 03 11.2	89 47 59.4	5,436
Messler, 180 ft. N. of W. P. Messler's general store, 100 ft. W. of St. Louis Southwestern Ry., in SE. corner of concrete foundation of wagon scales; standard tablet stamped "P T Sta No 100 S 1926" -----	37 03 59.63	89 48 07.83	4,947
R.R. at rd. crossing -----	37 04 55.9	89 47 39.9	6,125
Whitewater River, center of bridge over Perkins, 300 ft. NE. of St. Louis Southwestern Ry. sta., at NE. corner of general store owned by Raymond Moore, in concrete porch; standard tablet stamped "P T Sta No 101 S 1926" -----	37 05 44.41	89 46 30.20	3,875
R.R. at rd. crossing -----	37 06 40.9	89 46 04.5	6,084
R.R. at rd. crossing -----	37 07 07.3	89 45 52.2	2,828
R.R. at rd. crossing -----	37 07 33.4	89 45 46.2	2,696
Handles, at S. limits of; R.R. at rd. crossing -- Handles, 400 ft. S. of St. Louis Southwestern Ry. sta., 100 ft. E. of track, 75 ft. W. of post office, 33 ft. S. and 45 ft. W. of crossroads, in concrete post; standard tablet stamped "P T Sta No 102 S 1926" -----	37 08 06.3	89 45 59.5	3,940
R.R. at rd. crossing -----	37 08 15.76	89 46 01.93	982
R.R. at private rd. crossing -----	37 08 42.2	89 46 01.5	2,678
R.R. at private rd. crossing -----	37 09 18.0	89 45 56.0	3,652
R.R. at private rd. crossing -----	37 09 43.9	89 45 51.6	2,646

(Continued in Morley quadrangle; see line 3.)

7. FROM ZALMA QUADRANGLE AT SEC. 7, T. 27 N., R. 10 E., EAST TO ARDEOLA, THENCE NORTHEAST TO SEC. 2, T. 27 N., R. 11 E. (by J. M. Lawson in 1931)

(Continued from Zalma quadrangle; see line 6.)

T. 27 N., R. 10 E., cor. secs. 5, 6, 7, and 8, center of bridge over drainage ditch -----	37 00 25.9	89 59 47.2	(5,923)
Wolf Creek, center of bridge over -----	37 00 25.6	89 59 36.8	843
Leora, 0.5 mi. N. and 2 mi. E. of, 38 ft. E. and 19 ft. N. of cor. secs. 4, 5, 8, and 9, T. 27 N., R. 10 E., 17 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 28 L 1931" -----	37 00 24.50	89 58 39.23	4,666
T. 27 N., R. 10 E., cor. secs. 3, 4, 9, and 10, crossroads -----	37 00 22.2	89 57 32.9	5,386
T. 27 N., R. 10 E., cor. secs. 2, 3, 10, and 11, crossroads -----	37 00 20.4	89 56 27.5	5,306
Center of bridge over creek -----	37 00 20.1	89 56 17.1	839

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

Center of bridge, 150 ft. S. of rd. corner from S.-NE. -----	37 00 14.5	89 52 27.9	(2,253)
Center of triangle at rd. fork W. -----	37 00 27.9	89 52 14.5	1,737
Rd. fork N. -----	37 00 39.5	89 51 59.9	1,671
Center of triangle at rd. fork E. -----	37 00 36.9	89 51 34.0	2,223
Center of triangle at rd. fork NE. -----	37 00 10.8	89 51 15.6	3,040
P T Sta No 98 S 1926 (In Bloomfield quadrangle; see line 1.) -----	36 59 53.02	89 51 04.54	2,006
St. Louis Southwestern Ry. at dim rd. crossing --	37 00 19.9	89 50 30.4	3,884

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Bell triangulation sta.; U.S.C. & G.S. standard disk stamped "Bell" -----	37 00 48.38	89 50 21.23	2,976

8. FROM BLOOMFIELD QUADRANGLE NORTH ALONG STATE HIGHWAY 25 TO ADVANCE
(by J. M. Lawson in 1931)

T T 29 L 1931 (In Bloomfield quadrangle; see line 4.) -----	36 59 51.03	89 53 35.67	.....
Highway at fences E. and W. -----	37 00 20.6	89 53 33.4	3,006
Junction of rd. N. -----	37 00 52.6	89 53 32.3	3,236
T. 27 N., R. 11 E., about 0.6 mi. S. of N. cor. secs. 5 and 6, 0.2 mi. N. along State Highway 25 from junction of Bell City rd., 28 ft. W. and 23 ft. S. of highway at rd. W., 9 ft. S. of fence corner, in concrete post; standard tablet stamped "T T 37 L 1931" -----	37 01 49.06	89 53 15.72	5,867
Junction of rd. E. -----	37 02 34.2	89 53 08.8	4,598
Junction of rd. E., 608 ft. S. of bridge over drainage ditch -----	37 03 00.6	89 53 08.8	2,676
Junction of rd. E. -----	37 03 29.1	89 53 08.8	2,887
Advance, 1.2 mi. E. and 2.8 mi. S. of, along State Highway 25, 0.2 mi. S. of cor. secs. 19, 24, 25, and 30, T. 28 N., Rs. 10 and 11 E., 47 ft. S. and 26 ft. E. of highway at crossroad, 20 ft. S. of fence corner, in concrete post; standard tablet stamped "T T 38 L 1931" -----	37 03 52.53	89 53 08.67	2,369
T. 28 N., Rs. 10 and 11 E., quarter cor. between secs. 19 and 24, highway at fence W. -----	37 04 31.8	89 53 09.0	3,945
Highway at fence W. -----	37 05 11.4	89 53 26.0	4,250
Junction of rd. W. -----	37 05 45.8	89 54 15.8	5,334
St. Louis-San Francisco Ry. at rd. crossing -----	37 06 22.6	89 54 15.9	3,735
Prim Trav Sta No 8 F 1924 Mo 361 (previously described) -----	37 06 16.62	89 54 32.58	1,478

9. FROM SEC. 30, T. 28 N., R. 11 E., EAST TO MESSLER (by J. M. Lawson in 1931)

T T 38 L 1931 (previously described) -----	37 03 52.53	89 53 08.67	.....
T-rd. N. -----	37 03 52.4	89 52 35.4	2,699
T-rd. W. -----	37 03 52.1	89 51 43.0	4,250
T-rd. E. -----	37 04 05.2	89 51 47.5	1,371
T. 28 N., R. 11 E., cor. secs. 20, 21, 28, and 29, crossroads -----	37 04 04.9	89 50 56.8	4,111
T. 28 N., R. 11 E., about 585 ft. W. of quarter cor. between secs. 21 and 28, 17 ft. S. and 73 ft. E. from T-rd. N., 32 ft. E. of black-oak tree at fence corner, in concrete post; standard tablet stamped "T T 50 L 1931" -----	37 04 04.36	89 50 29.93	2,176
T. 28 N., R. 11 E., cor. secs. 21, 22, 27, and 28, rd. at fences N. and S. -----	37 04 04.4	89 49 51.0	3,154
Jenkins Basin, at outlet to, NE. corner of concrete head wall of stilling pool -----	37 03 46.3	89 49 19.5	3,146
Drainage ditch, center of bridge over -----	37 03 37.7	89 48 27.8	4,281
T-rd. W. -----	37 03 37.4	89 48 11.9	1,294
P T Sta No 100 S 1926 (previously described) -----	37 03 59.63	89 48 07.83	2,271

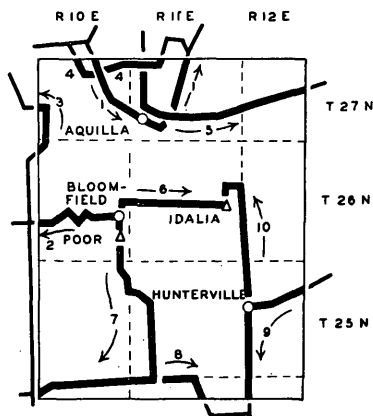
10. FROM MORLEY QUADRANGLE AT SEC. 20, T. 28 N., R. 12 E., WEST AND NORTH TO PERKINS (by W. C. Elledge in 1931)
(Continued from Morley quadrangle; see line 5.)

T. 28 N., R. 12 E., 0.2 mi. E. of cor. secs. 19, 20, 29, and 30, 15 ft. S. and 75 ft. W. from center of wooden bridge, 21 ft. S. of rd., in concrete post; standard tablet stamped "T T 27 E 1931" -----	37 04 02.30	89 45 12.38	(5,545)
T. 28 N., R. 12 E., cor. secs. 19, 20, 29, and 30, dim T-rd. N. -----	37 04 02.2	89 45 27.9	1,260
Crossroads -----	37 04 01.9	89 46 29.2	4,970
Rd. at fence E., 130 ft. S. of fence W. -----	37 04 28.4	89 46 32.1	2,684
T. 28 N., R. 12 E., W. cor. secs. 18 and 19, T-rd. E., 90 ft. S. of T-rd. W. at E. cor. secs. 13 and 24, T. 28 N., R. 11 E. -----	37 04 55.1	89 46 32.1	2,705
P T Sta No 101 S 1926 (previously described) -----	37 05 44.41	89 46 30.20	4,990

Magnetic declination in 1931. 4°30'E.

BLOOMFIELD QUADRANGLE
(Latitude $36^{\circ}45' - 37^{\circ}00'$; longitude $89^{\circ}45' - 90^{\circ}00'$)

Stoddard County



1. FROM ADVANCE QUADRANGLE SOUTHEAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY (now abandoned) TO AQUILLA, THENCE EAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO SEC. 28, T. 27 N., R. 11 E., THENCE NORTH ALONG ST. LOUIS SOUTHWESTERN RAILWAY INTO ADVANCE QUADRANGLE (by J. L. Sanders in 1926)
(Continued from Advance quadrangle; see line 5.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Zadock, 150 ft. E. of C. C. Lewis' general store, 24 ft. S. and 27 ft. E. of St. Louis-San Francisco Ry. at public rd. crossing, on high bank, in concrete post; standard tablet stamped "P T Sta No 96 S 1926" -----	36 59 19.19	89 56 07.34	(6,210)
R.R. grade at rd. crossing -----	36 58 35.2	89 55 57.5	4,525
R.R. grade at milepost Q-170 -----	36 57 36.7	89 54 48.3	8,156
Aquilla, 0.5 mi. N. of, near quarter cor. between secs. 25 and 30, T. 27 N., R. 10 and 11 E., 500 ft. N. of steel bridge over Castor River, 135 ft. E. of St. Louis-San Francisco Ry. at crossing of State Highway 25, 20 ft. N. of track, on high bank, in concrete post; standard tablet stamped "P T Sta No 97 S 1926" -----	36 57 13.19	89 54 20.40	3,284
Trestle D-175.4 -----	36 57 02.0	89 53 23.0	4,800
R.R. at rd. crossing -----	36 57 04.0	89 52 25.2	4,699
Crossing of St. Louis Southwestern Ry. -----	36 57 19.9	89 52 04.8	2,304
R.R. at private rd. crossing -----	36 57 44.4	89 51 59.3	2,519
R.R. at fork of switch -----	36 59 10.0	89 51 29.4	8,992
Ardeola, 200 ft. N. of St. Louis Southwestern Ry. section house, 36 ft. W. of track, near NE. corner of section-house lot, in concrete post; standard tablet stamped "P T Sta No 98 S 1926" -----	36 59 53.02	89 51 04.54	4,794

(Continued in Advance quadrangle; see line 6.)

2. FROM BLOOMFIELD WEST INTO PUXICO QUADRANGLE AT SEC. 20, T. 26 N., R. 10 E. (by J. M. Lawson in 1931)

Poor triangulation sta.; U.S.C. & G.S. standard disk stamped "Poor" -----	36 51 53.69	89 55 53.48	.....
T-rd. W. -----	36 52 43.4	89 55 47.6	5,052
Bloomfield, at S. entrance to Stoddard County Courthouse, in angle of brick wall, in top of E. end of second concrete step; standard tablet stamped "T T 21 L 1931" -----	36 53 04.21	89 55 44.66	2,112
T-rd. S. -----	36 53 09.5	89 56 22.3	3,105
Center of bridge over creek -----	36 53 11.4	89 56 44.4	1,808
Bloomfield, 2 mi. W. of, in NW 1/4 sec. 22, T. 26 N., R. 10 E., 65 ft. S. and 40 ft. E. of T-rd. S., 75 ft. E. of dim rd. N., 24 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 22 L 1931" -----	36 53 14.72	89 57 51.44	5,459
T-rd. W. -----	36 52 47.5	89 57 53.9	2,765
T-rd. E., 135 ft. S. of T-rd. W. at cor. secs. 16, 17, 20, and 21, T. 26 N., R. 10 E. -----	36 53 26.2	89 58 59.0	6,582
Crossroads -----	36 52 48.4	89 59 01.9	3,825

(Continued in Puxico quadrangle; see line 3.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
3. FROM PUXICO QUADRANGLE AT SEC. 5, T. 26 N., R. 10 E., NORTH INTO PUXICO QUADRANGLE AT SEC. 19, T. 27 N., R. 10 E. (by J. M. Lawson in 1931)			
(Continued from Puxico quadrangle; see line 3.)			
T. 26 N., R. 10 E., quarter cor. between secs. 5 and 6, T-rd. W. -----	36 55 39.4	89 59 59.7	(2,671)
T. 26 N., R. 10 E., N. cor. secs. 5 and 6, T-rd. S., 140 ft. W. of T-rd. N. at S. cor. secs. 31 and 32, T. 27 N., R. 10 E. -----	36 56 03.5	89 59 58.7	2,442
Crossroads -----	36 56 42.9	89 59 55.0	3,996
T. 27 N., R. 10 E., cor. secs. 29, 30, 31, and 32, rd. at private rd. W. and fence E. -----	36 56 55.9	89 59 54.8	1,320
T-rd. W. -----	36 57 22.0	89 59 53.6	2,638
Zion Church, T-rd. E. -----	36 57 35.4	89 59 53.2	1,358
Leora, 2.5 mi. S. and 1 mi. E. of, 0.3 mi. NW. of Zion Church, 60 ft. W. and 17 ft. N. of rd. fork W., in concrete post; standard tablet stamped "T T 25 L 1931" -----	36 57 49.02	89 59 57.69	1,428

(Continued in Puxico quadrangle; see line 3.)

4. FROM ADVANCE QUADRANGLE AT SEC. 11, T. 27 N., R. 10 E., SOUTH TO ZADOCK, THENCE NORTHEAST INTO ADVANCE QUADRANGLE AT SEC. 9, T. 27 N., R. 11 E. (by J. M. Lawson in 1931)			
(Continued from Advance quadrangle; see line 7.)			
St. Louis-San Francisco Ry. (now abandoned) at fences E. and W. -----	36 59 53.9	89 56 12.9	(2,670)
P T Sta No 96 S 1926 (previously described) -----	36 59 19.19	89 56 07.34	3,539
T-rd. S. -----	36 59 26.8	89 55 40.2	2,337
T-rd. E. -----	36 59 33.0	89 55 23.4	1,497
Center of triangle at rd. fork S. -----	36 59 41.3	89 54 50.3	2,817
Rd. fork N. -----	36 59 55.8	89 54 06.3	3,857
Aquilla, 3.5 mi. N. of, along State Highway 25, near quarter cor. between secs. 7 and 8, T. 27 N., R. 11 E., 162 ft. W. of highway, 27 ft. S. of rd. W., 17 ft. S. of rd. E., 60 ft. NW. of NW. corner of old schoolhouse, in concrete post; standard tablet stamped "T T 29 L 1931" -----	36 59 51.03	89 53 36.57	2,469
Rd. at fence N. -----	36 59 49.4	89 53 02.8	2,750
T-rd. W. -----	36 59 52.4	89 52 31.5	2,557

(Continued in Advance quadrangle; see line 7.)

5. FROM SEC. 7, T. 27 N., R. 11 E., SOUTH ALONG STATE HIGHWAY 25 TO AQUILLA, THENCE EAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY INTO SIKESTON QUADRANGLE (by J. M. Lawson in 1931)			
T T 29 L 1931 (previously described) -----	36 59 51.03	89 53 36.57	.....
T. 27 N., R. 11 E., cor. secs. 7, 8, 17, and 18, junction of rd. E. -----	36 59 25.4	89 53 35.2	2,588
T. 27 N., R. 11 E., quarter cor. between secs. 17 and 18, highway at fences E. and W. -----	36 58 59.1	89 53 36.3	2,658
Highway at fences E. and W. -----	36 58 24.9	89 53 37.3	3,470
T. 27 N., R. 11 E., cor. secs. 19, 20, 29, and 30, junction of rd. E. -----	36 57 41.1	89 53 39.2	4,431
Junction of rd. N. -----	36 57 28.0	89 53 55.7	1,885
Junction of rd. N. -----	36 57 27.0	89 54 11.7	1,304
P T Sta No 97 S 1926 (previously described) -----	36 57 13.19	89 54 20.40	1,570
R.R. at private rd. crossing -----	36 57 05.1	89 54 08.5	1,265
R.R. at rd. crossing -----	36 57 01.4	89 53 10.7	4,709
R.R. at rd. crossing -----	36 57 03.0	89 52 25.0	3,709
Zeta, 240 ft. N. of R.R. depot, 50 ft. W. of St. Louis Southwestern Ry. track, 100 ft. N. 20° W. of crossing of St. Louis-San Francisco Ry., in concrete post; standard tablet stamped "T T 30 L 1931" -----	36 57 19.82	89 52 05.03	2,345
R.R. at rd. crossing, on line between secs. 21 and 28, T. 27 N., R. 11 E. -----	36 57 44.7	89 51 41.5	3,164
R.E. at rd. crossing -----	36 57 50.9	89 50 58.6	3,532
Toppertown, R.R. at rd. crossing -----	36 57 54.6	89 50 27.8	2,534
Center of trestle DD-30 -----	36 56 02.0	89 49 26.0	5,071
Durnell, 273 ft. E. of St. Louis-San Francisco Ry. sta. sign, 49 ft. N. and 30 ft. E. of R.R. at rd. N., 9 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 31 L 1931" -----	36 58 06.78	89 48 50.35	2,932
Center of trestle -----	36 58 13.3	89 47 51.6	4,619
R.R. at rd. crossing -----	36 58 19.1	89 47 03.1	3,375
Drainage ditch 3/4, center of trestle over -----	36 58 24.8	89 46 15.2	3,927

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Himmel, 170 ft. W. of St. Louis-San Francisco Ry. sta. sign, 130 ft. E. of drainage ditch, 81 ft. E. and 47 ft. S. of R.R. at rd. crossing, in concrete post; standard tablet stamped "T T 32 L 1931" -----	36 58 32.28	89 45 08.30	5,483

(Continued in Sikeston quadrangle; see line 9.)

6. FROM BLOOMFIELD EAST TO SEC. 23, T. 26 N., R. 11 E. (by J. M. Lawson in 1931)

T T 21 L 1931 (previously described) -----	36 53 04.21	89 55 44.66	.....
Lick Creek, center of bridge over -----	36 53 48.5	89 55 38.5	4,506
T-rd. N. -----	36 54 00.9	89 55 24.2	1,709
Rd. fork NE. -----	36 54 00.0	89 54 51.5	2,666
Center of wooden bridge -----	36 53 57.9	89 54 25.5	2,119
Center of bridge at private rd. N. -----	36 54 01.6	89 53 56.9	2,358
Rd. at fences E. and W. -----	36 53 48.4	89 53 31.2	2,475
Bloomfield, 2 mi. E. of, along Hale Road, in NW 1/4 sec. 20, T. 26 N., R. 11 E., 26 ft. E. and 36 ft. S. of center of bridge over creek, 10 ft. W. and 36 ft. S. of T-rd. N., 16 ft. S. of fence corner, in concrete post; standard tablet stamped "T T 33 L 1931" -----	36 53 21.83	89 53 31.82	2,688
T. 26 N., R. 11 E., cor. secs. 16, 17, 20, and 21, T-rd. N. -----	36 53 23.2	89 52 42.8	3,983
T. 26 N., R. 11 E., quarter cor. between secs. 16 and 21, crossroads -----	36 53 23.8	89 52 10.6	2,626
T. 26 N., R. 11 E., cor. secs. 15, 16, 21, and 22, T-rd. W. -----	36 53 24.5	89 51 38.1	2,640
Rd. at fences N. and S. -----	36 53 11.6	89 51 14.0	2,356
Idalia triangulation sta.; U.S.C. & G.S. standard disk stamped "Idalia" -----	36 53 21.45	89 50 20.38	4,468

7. FROM SEC. 26, T. 26 N., R. 10 E., SOUTHEAST TO SEC. 31, T. 25 N., R. 11 E., THENCE WEST INTO PUXICO QUADRANGLE AT SEC. 5, T. 24 N., R. 10 E. (by J. M. Lawson in 1931)

Poor triangulation sta. (previously described)---	36 51 53.69	89 55 53.48	.....
Rd. forks -----	36 51 39.1	89 56 03.3	1,676
Crossroads -----	36 51 26.1	89 56 15.1	1,631
Rd. at fence N. -----	36 50 59.9	89 55 48.5	3,348
Triangular-blazed tree in triangle at rd. fork SW. -----	36 50 23.0	89 55 26.1	4,255
Dexter, 1.5 mi. E. and 2.5 mi. N. of, near quarter cor. between secs. 1 and 12, T. 25 N., R. 10 E., 35 ft. S. and 10 ft. W. of T-rd. N., 18 ft. S. of fence corner, in concrete post; standard tablet stamped "T T 39 L 1931" -----	36 49 52.40	89 55 19.41	3,141
St. Louis Southwestern Ry. main track at rd. crossing -----	36 49 52.4	89 55 02.4	1,381
T-rd. N. -----	36 49 52.8	89 54 25.8	2,979
T. 25 N., R. 11 E., cor. secs. 5, 6, 7, and 8, T-rd. S. -----	36 49 51.9	89 53 48.3	3,044
T. 25 N., R. 11 E., cor. secs. 7, 8, 17, and 18, crossroads -----	36 48 59.8	89 53 50.0	5,276
Dexter, 3 mi. E. and 0.8 mi. N. of, 0.3 mi. N. of cor. secs. 17, 18, 19, and 20, T. 25 N., R. 11 E., 53 ft. S. and 31 ft. W. of Missouri Pacific R.R. at rd. crossing, 16 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 40 L 1931" -----	36 48 23.78	89 53 51.31	3,641
T. 25 N., R. 11 E., cor. secs. 19, 20, 29, and 30, U.S. Highway 60 at N.-S. crossroad -----	36 47 15.1	89 53 52.6	6,951
T. 25 N., R. 11 E., cor. secs. 29, 30, 31, and 32, crossroads -----	36 46 22.8	89 53 53.9	5,282
U.S.C.E. B.M.; iron post stamped "USCE Q 6 C 134" -----	36 45 30.99	89 53 55.71	5,246
Drainage ditch, center of bridge over -----	36 45 30.6	89 54 30.1	2,802
Tps. 24 and 25 N., Rs. 10 and 11 E., cor. of, crossroads -----	36 45 30.4	89 55 00.4	2,460
T. 25 N., R. 10 E., S. cor. secs. 35 and 36, T-rd. N. at Tatum School -----	36 45 32.3	89 56 06.7	5,402
Crossroads -----	36 45 33.9	89 56 53.1	3,776
T. 25 N., R. 10 E., S. cor. secs. 34 and 35, rd. at fence N. -----	36 45 34.3	89 57 05.9	1,043
U.S.C.E. B.M.; iron post stamped "USCE Q 6 C 147" -----	36 45 35.47	89 57 50.56	3,637
Rd. corner from E.-N. -----	36 45 36.2	89 58 24.0	2,722
Rd. fork NW. -----	36 45 30.7	89 56 40.8	1,473
Lambert School, T-rd. S. -----	36 45 25.1	89 59 56.1	6,156
T T 36 L 1931 (in Puxico quadrangle; see line 4.)	36 45 25.90	90 00 12.99	1,375

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
8. FROM SEC. 31, T. 25 N., R. 11 E., EAST AND SOUTH INTO MALDEN QUADRANGLE AT SEC. 2, T. 24 N., R. 11 E. (by J. M. Lawson in 1931)			
USCE Q 6 C 134 (previously described) -----	36 45 30.99	89 53 55.71	.....
T. 25 N., R. 11 E., S. cor. secs. 32 and 33, rd. at fence N. -----	36 45 30.9	89 52 50.4	5,327
T. 25 N., R. 11 E., S. cor. secs. 33 and 34, T-rd. N., 203 ft. W. of T-rd. S. at N. cor. secs. 3 and 4, T. 24 N., R. 11 E. -----	36 45 31.6	89 51 45.4	5,290
Frisco, 1 mi. E. of, 47 ft. W. and 22 ft. N. of T-rd. N. at S. cor. secs. 34 and 35, T. 25 N., R. 11 E., 284 ft. W. of T-rd. S. at N. cor. secs. 2 and 3, T. 24 N., R. 11 E., 26 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 49 L 1931" -----	36 45 32.96	89 50 40.78	5,255

(Continued in Malden quadrangle; see line 2.)

9. FROM SIKESTON QUADRANGLE WEST ALONG MISSOURI PACIFIC RAILROAD TO HUNTERVILLE, THENCE SOUTH ALONG ROADS INTO MALDEN QUADRANGLE AT SEC. 6, T. 24 N., R. 12 E. (by D. R. Cabaniss in 1931) (Continued from Sikeston quadrangle; see line 5.)			
Drainage ditch 41, center of bridge over -----	36 49 42.0	89 45 22.1	(3,270)
Grayridge, 0.8 mi. E. of, along U.S. Highway 60, in NW 1/4 sec. 9, T. 25 N., R. 12 E., 35 ft. S. of highway, 45 ft. E. of property line, in concrete post; standard tablet stamped "T T 1 C 1931" -----	36 49 34.42	89 46 07.58	3,773
Drainage ditch 42, center of bridge over -----	36 49 32.4	89 46 24.4	1,388
Grayridge, R.R. at rd. crossing -----	36 49 28.1	89 46 56.0	2,602
Drainage ditch, center of bridge over, on line between secs. 7 and 8, T. 25 N., R. 12 E. -----	36 49 23.2	89 47 26.9	2,561
Hunterville, 43 ft. E. and 49 ft. N. of Missouri Pacific R.R. at public rd. crossing, in concrete post; standard tablet stamped "T T 2 C 1931" -----	36 49 14.32	89 48 26.83	4,954
Crossroads -----	36 48 52.0	89 48 27.6	2,260
T. 25 N., R. 11 E., E. cor. secs. 13 and 24, T-rd. W., 355 ft. N. of T-rd. E. at W. cor. secs. 18 and 19, T. 25 N., R. 12 E. -----	36 48 14.4	89 48 28.3	3,805
T-rd. E. -----	36 47 44.0	89 48 28.8	3,069
Hunterville, 2.3 mi. S. of, 30 ft. E. and 25 ft. S. of T-rd. E. at W. cor. secs. 19 and 30, T. 25 N., R. 12 E., in concrete post; standard tablet stamped "T T 3 C 1931" -----	36 47 18.00	89 48 28.98	2,628
T. 25 N., R. 11 E., E. cor. secs. 25 and 36, T-rd. W. -----	36 46 28.7	89 48 30.0	4,990
Tps. 24 and 25 N., Rs. 11 and 12 E., cor. of, crossroads -----	36 45 35.7	89 48 30.6	5,356

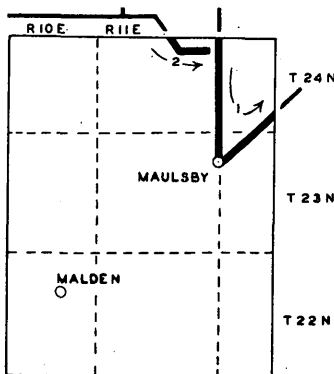
(Continued in Malden quadrangle; see line 1.)

10. FROM HUNTERVILLE NORTH AND WEST TO SEC. 23, T. 26 N., R. 11 E. (by W. C. Elledge in 1931)			
T T 2 C 1931 (previously described) -----	36 49 14.32	89 48 26.83	.....
T. 25 N., Rs. 11 and 12 E., cor. secs. 1, 6, 7, and 12, T-rd. W. -----	36 50 00.1	89 48 26.6	4,629
Tps. 25 and 26 N., Rs. 11 and 12 E., cor. of, crossroads -----	36 50 52.8	89 48 25.2	5,330
T. 26 N., R. 11 E., E. cor. secs. 25 and 36, T-rd. W. -----	36 51 45.7	89 48 24.6	5,350
T. 26 N., Rs. 11 and 12 E., near quarter cor. between secs. 25 and 30, 25 ft. S. and 22 ft. E. of T-rd. E., 9 ft. S. and 2 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 19 E 1931" -----	36 52 08.28	89 48 24.29	2,282
T. 26 N., R. 11 E., E. cor. secs. 24 and 25, T-rd. W. -----	36 52 38.5	89 48 24.1	3,060
T. 26 N., R. 12 E., W. cor. secs. 18 and 19, rd. at fence E. -----	36 53 27.6	89 48 23.5	4,960
T-rd. S. -----	36 54 11.0	89 48 22.9	4,380
St. Louis Southwestern Ry. at rd. crossing -----	36 54 07.4	89 49 25.6	5,109
Drainage ditch, center of St. Louis Southwestern Ry. trestle over -----	36 53 33.2	89 49 21.9	3,469
St. Louis Southwestern Ry. at fence E. -----	36 53 00.7	89 50 00.1	4,527
Idalia triangulation sta. (previously described) -----	36 53 21.45	89 50 20.38	2,650

Magnetic declination in 1931, 4°E.

MALDEN QUADRANGLE
(Latitude 36°30'-36°45'; longitude 89°45'-90°00')

Dunklin, New Madrid, and Stoddard Counties



1. FROM BLOOMFIELD QUADRANGLE AT SEC. 6, T. 24 N., R. 12 E., SOUTH TO MAULSBY, THENCE NORTHEAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY INTO NEW MADRID QUADRANGLE (by D. R. Cabaniss in 1931)
(Continued from Bloomfield quadrangle; see line 9.)

Station	Latitude	Longitude	Distance
U.S.C.E. B.M. iron post stamped "U S C 114" ----	36 44 43.27	89 48 31.21	Feet (5,300)
T. 24 N., R. 11 E., E. cor. secs. 12 and 13, T-rd. W., 618 ft. N. of T-rd. E. at W. cor. secs. 7 and 18, T. 24 N., R. 12 E. -----	36 43 49.8	89 48 31.7	5,410
T. 24 N., R. 11 E., E. cor. secs. 13 and 24, T-rd. W., 502 ft. N. of T-rd. E. at W. cor. secs. 18 and 19, T. 24 N., R. 12 E. -----	36 42 56.7	89 48 32.5	5,365
T. 24 N., R. 11 E., E. cor. secs. 24 and 25, 25 ft. N. and 20 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T 4 C 1931" --	36 42 04.92	89 48 33.33	5,239
T. 24 N., R. 11 E., E. cor. secs. 25 and 36, T-rd. W., 180 ft. N. of T-rd. E. at W. cor. secs. 30 and 31, T. 24 N., R. 12 E. -----	36 41 11.9	89 48 34.0	5,365
Tps. 23 and 24 N., Rs. 11 and 12 E., cor. of, crossroads -----	36 40 18.8	89 48 34.9	5,370
T. 23 N., R. 11 E., E. cor. secs. 1 and 12, T-rd. W., 206 ft. N. of T-rd. E. at W. cor. secs. 6 and 7, T. 23 N., R. 12 E. -----	36 39 26.3	89 48 35.5	5,304
Maulsby, 85 ft. N. and 55 ft. E. from St. Louis- San Francisco Ry. at rd. crossing, in concrete post; standard tablet stamped "T 5 C 1931" --	36 38 48.80	89 48 35.22	3,795
R.R. at rd. crossing on line between secs. 6 and 7, T. 23 N., R. 12 E. -----	36 39 23.9	89 47 48.5	5,200
Drainage ditch, center of bridge over -----	36 39 38.7	89 47 29.1	2,182
R.R. at abandoned rd. crossing on line between secs. 5 and 32, Tps. 23 and 24 N., R. 12 E. ---	36 40 16.0	89 46 40.4	5,473
La Valle, at sta., 45 ft. S. of track, in concrete post; standard tablet stamped "T T 6 C 1931" -----	36 40 32.23	89 46 18.29	2,440
R.R. at rd. crossing on line between secs. 28 and 33, T. 24 N., R. 12 E. -----	36 41 07.6	89 45 32.8	5,153
Center of bridge E-185.3 -----	36 41 27.9	89 45 06.3	2,974

(Continued in New Madrid quadrangle; see line 1.)

2. FROM BLOOMFIELD QUADRANGLE AT SEC. 2, T. 24 N., R. 11 E., EAST TO SEC. 6, T. 24 N., R. 12 E. (by J. M. Lawson in 1931)
(Continued from Bloomfield quadrangle; see line 8.)

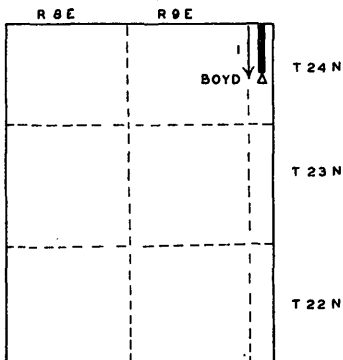
T. 24 N., R. 11 E., cor. secs. 2, 3, 10, and 11, T-rd. E. -----	36 44 37.8	89 50 38.6	(5,583)
T. 24 N., R. 11 E., cor. secs. 1, 2, 11, and 12, T-rd. S. -----	36 44 37.4	89 49 35.3	5,143
USC 114 (previously described) -----	36 44 43.27	89 48 31.21	5,252

Magnetic declination in 1930, 5°E.

TRANSIT TRAVERSE IN MISSOURI

VALLEY RIDGE QUADRANGLE
(Latitude $36^{\circ}30' - 36^{\circ}45'$; longitude $90^{\circ}00' - 90^{\circ}15'$)

Butler, Dunklin, and Stoddard Counties



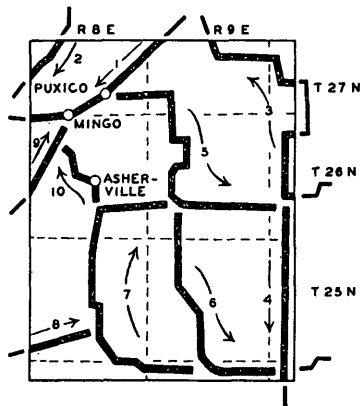
1. FROM PUXICO QUADRANGLE AT SEC. 5, T. 24 N., R. 10 E., SOUTH TO SEC. 17,
T. 24 N., R. 10 E. (by J. M. Lawson in 1931)
(Continued from Puxico quadrangle; see line 4.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 24 N., R. 10 E., cor. secs. 5, 6, 7, and 8, crossroads -----	36 44 59.2	90 00 30.1	(3,035)
Rd. at fence and timber line E. -----	36 44 06.9	90 00 31.4	5,294
T. 24 N., R. 10 E., cor. secs. 7, 8, 17, and 18, T-rd. E. -----	36 43 53.9	90 00 31.7	1,317
Boyd triangulation sta.; U.S.C. & G.S. standard disk stamped "Boyd" -----	36 43 11.62	90 00 28.83	4,278

Magnetic declination in 1931, $5^{\circ}15'E$.

PUXICO QUADRANGLE
(Latitude 36°45'-37°00'; longitude 90°00'-90°15')

Butler, Stoddard, and Wayne Counties



1. FROM ZALMA QUADRANGLE SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY INTO POPLAR BLUFF QUADRANGLE (by C. R. Fisher in 1924)
(Continued from Zalma quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Center of trestle 171.4 -----	36 59 38.6	90 06 50.3	(2,730)
R.R. at rd. crossing -----	36 59 01.3	90 07 16.0	4,315
R.R. at rd. crossing -----	36 58 43.8	90 07 30.3	2,109
R.R. at rd. crossing -----	36 58 17.2	90 08 25.7	5,242
R.R. at rd. crossing -----	36 57 36.2	90 09 02.5	5,107
Puxico, in SW. corner of park, 100 ft. S. of St. Louis-San Francisco Ry.; iron post stamped "Prim Trav Sta No 13 F 1924 Mo 370" -----	36 57 00.29	90 09 31.05	4,306
R.R. at rd. crossing -----	36 56 45.5	90 10 08.7	3,402
R.R. at rd. crossing -----	36 56 41.0	90 11 14.4	5,351
Mingo, headblock at E. end of siding -----	36 56 26.4	90 11 47.4	3,069
Mingo, 100 ft. S. of St. Louis-San Francisco Ry. sta., 53 ft. S. of track, 25 ft. W. of public rd.; iron post stamped "Prim Trav Sta No 14 F 1924 Mo 345" -----	36 56 13.10	90 11 59.46	1,658
Center of trestle 178.6 -----	36 56 12.2	90 12 29.6	2,447
Center of trestle 179.3 -----	36 56 12.5	90 13 24.6	4,470
Fence corner on line between secs. 31 and 36, T. 27 N., Rs. 7 and 8 E. -----	36 55 59.0	90 14 16.4	4,415

(Continued in Poplar Bluff quadrangle; see line 1.)

2. FROM ZALMA QUADRANGLE AT SEC. 7, T. 27 N., R. 8 E., SOUTHWEST INTO POPLAR BLUFF QUADRANGLE AT SEC. 24, T. 27 N., R. 7 E. (by J. L. Sanders in 1926)
(Continued from Zalma quadrangle; see line 2.)

Crossroads -----	36 59 57.9	90 13 48.2	(3,280)
Junction of lane E. at mail box of Albert Ray ---	36 59 32.9	90 14 35.0	4,550
Rd. in front of farmhouse of W. T. Ward -----	36 59 13.7	90 14 51.1	2,339
Rd. forks -----	36 58 37.6	90 14 43.3	3,711
Wappapello, 3.5 mi. N. of, on Zalma-Wappapello wagon rd., in NE. corner of Union Hill school- yard, 48 ft. W. of rd., in concrete post; standard tablet stamped "P T Sta No 64 S 1926"-----	36 58 25.28	90 14 57.62	1,699

(Continued in Poplar Bluff quadrangle; see line 2.)

3. FROM BLOOMFIELD QUADRANGLE AT SEC. 20, T. 26 N., R. 10 E., NORTH TO SEC. 7, T. 27 N., R. 10 E., THENCE WEST INTO ZALMA QUADRANGLE AT SEC. 10, T. 27 N., R. 9 E. (by J. M. Lawson in 1931)
(Continued from Bloomfield quadrangle; see line 2.)

Bloomfield, 4 mi. W. and 0.5 mi. S. of, about 0.2 mi. N. of cor. secs. 19, 20, 29, and 30, T. 26 N., R. 10 E., 99 ft. S. and 22 ft. E. of T-rd. E., 22 ft. N. and 3 ft. E. of lone hickory tree, in concrete post; standard tablet stamped "T T 23 L 1931" -----	36 52 48.41	90 00 08.68	(5,426)
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Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 26 N., R. 10 E., cor. secs. 17, 18, 19, and 20, crossroads -----	36 53 28.6	90 00 06.8	4,074
St. Louis-San Francisco Ry. (now abandoned) at rd. crossing -----	36 53 54.0	90 00 05.3	2,566
Lick Creek drainage ditch, center of bridge over T. 26 N., R. 10 E., quarter cor. between secs. 7 and 8, T-rd. W. -----	36 54 12.2	90 00 04.3	1,852
Alhambra Church, about 300 ft. SE. of, 1/4 ft. E. and 17 ft. S. of crossroads at cor. secs. 5, 6, 7, and 8, T. 26 N., R. 10 E., 69 ft. E. of E. end of dwelling, in concrete post; standard tablet stamped "T T 24 L 1931" -----	36 54 47.1	90 00 02.7	3,534
	36 55 13.11	90 00 00.50	2,623

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

T. 27 N., R. 9 E., E. cor. secs. 24 and 25, T-rd. W., 7 ft. S. and 2 ft. E. of T-rd. E. at W. cor. secs. 19 and 30, T. 27 N., R. 10 E. -----	36 57 49.6	90 01 09.6	(5,836)
T-rd. W. -----	36 58 16.4	90 01 08.8	2,713
T. 27 N., R. 9 E., E. cor. secs. 13 and 24, T-rd. W., 80 ft. S. of T-rd. E. at W. cor. secs. 18 and 19, T. 27 N., R. 10 E. -----	36 58 42.1	90 01 08.00	2,600
Leora, 0.5 mi. S. of, 28 ft. W. and 5 ft. N. of T-rd. E. at W. cor. secs. 7 and 18, T. 27 N., R. 10 E., 108 ft. N. and 24 ft. W. of T-rd. W. at E. cor. secs. 12 and 13, T. 27 N., R. 9 E., in concrete post; standard tablet stamped "T T 26 L 1931" -----	36 59 35.51	90 01 06.83	5,409
T. 27 N., R. 9 E., cor. secs. 11, 12, 13, and 14, dim crossroads -----	36 59 35.8	90 02 13.5	5,410
T. 27 N., R. 9 E., quarter cor. between secs. 11 and 14, crossroads -----	36 59 36.5	90 02 46.5	2,675
T. 27 N., R. 9 E., cor. secs. 10, 11, 14, and 15, crossroads -----	36 59 37.2	90 03 19.6	2,686
Leora, 0.5 mi. S. and 2.5 mi. W. of, 0.2 mi. W. of Fagan School, 46 ft. N. and 16 ft. E. of T-rd. N. at quarter cor. between secs. 10 and 15, T. 27 N., R. 9 E., 26 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 27 L 1931" -----	36 59 38.32	90 03 52.47	2,671
T. 27 N., R. 9 E., cor. secs. 9, 10, 15, and 16, crossroads -----	36 59 38.5	90 04 25.8	2,704

(Continued in Zalma quadrangle; see line 5.)

4. FROM SEC. 20, T. 26 N., R. 10 E., SOUTH INTO VALLEY RIDGE QUADRANGLE AT SEC. 5, T. 24 N., R. 10 E. (by J. M. Lawson in 1931)

T T 23 L 1931 (previously described) -----	36 52 48.41	90 00 08.68	.....
T. 26 N., R. 10 E., quarter cor. between secs. 29 and 30, T-rd. W. -----	36 52 10.3	90 00 11.0	3,860
T-rd. W. -----	36 51 34.0	90 00 12.5	3,672
T. 26 N., R. 10 E., quarter cor. between secs. 31 and 32, T-rd. E. -----	36 51 17.9	90 00 13.0	1,623
T. 26 N., R. 10 E., S. cor. secs. 31 and 32, T-rd. N. -----	36 50 51.8	90 00 13.6	2,643
T. 25 N., R. 10 E., quarter cor. between secs. 5 and 6, T-rd. E. -----	36 50 25.4	90 00 18.2	2,692
T. 25 N., R. 10 E., cor. secs. 5, 6, 7, and 8, rd. at fences E. and W. -----	36 49 59.1	90 00 19.2	2,658
Dexter, 2.5 mi. W. and 2 mi. N. of, 0.3 mi. S. of cor. secs. 5, 6, 7, and 8, T. 25 N., R. 10 E., 35 ft. E. and 5 ft. N. of T-rd. W. through gate, in concrete post; standard tablet stamped "T T 34 L 1931" -----	36 49 45.01	90 00 19.41	1,427
Crossroads -----	36 49 19.8	90 00 21.0	2,551
T-rd. W. -----	36 48 27.4	90 00 23.6	5,302
U.S. Highway 60 at rd. S. -----	36 48 14.1	90 00 07.7	1,861
Dexter, 2.5 mi. W. of, along Missouri Pacific R.R., in SW 1/4 sec. 20, T. 25 N., R. 10 E., 49 ft. S. and 29 ft. W. of R.R. at rd. crossing, 1/4 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 35 L 1931" -----	36 47 36.26	90 00 08.97	3,825
Rd. at drain -----	36 47 14.9	90 00 09.7	2,156
T-rd. W. -----	36 46 38.6	90 00 10.6	3,669
T-rd. W. -----	36 46 03.6	90 00 11.7	3,548
Dexter, 3 mi. W. and 2.7 mi. S. of, in NW 1/4 sec. 5, T. 24 N., R. 10 E., 58 ft. N. and 21 ft. W. of crossroads, in concrete post; standard tablet stamped "T T 36 L 1931" -----	36 45 25.90	90 00 12.99	3,810

(Continued in Valley Ridge quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	o ' "	o ' "	Feet
5. FROM PUXICO EAST TO SEC. 29, T. 27 N., R. 9 E., THENCE SOUTH TO SEC. 29, T. 26 N., R. 9 E., THENCE EAST TO SEC. 19, T. 26 N., R. 10 E. (by J. M. Lawson in 1931)			
Prim Trav Sta No 13 F 1924 Mo 370 (previously described)	36 57 00.29	90 09 31.05	.....
T. 27 N., R. 8 E., cor. secs. 25, 26, 35, and 36, crossroads	36 56 57.6	90 09 02.8	2,306
T. 27 N., R. 8 and 9 E., cor. secs. 25, 30, 31, and 36, rd. at fences N. and S.	36 56 57.8	90 07 48.1	6,072
Puxico, 2.5 mi. E. of, 57 ft. N. and 21 ft. W. of crossroads at cor. secs. 29, 30, 31, and 32, T. 27 N., R. 9 E., 14 ft. N. of fence corner, in concrete post; standard tablet stamped "T 41 L 1931"	36 56 59.07	90 06 42.17	5,355
T. 27 N., R. 9 E., S. cor. secs. 31 and 32, T-rd. N.	36 56 05.1	90 06 43.1	5,453
Rd. corner from N.-E.	36 55 29.4	90 06 47.3	3,631
T. 26 N., R. 9 E., quarter cor. between secs. 5 and 8, rd. at fences E. and W.	36 55 16.4	90 06 13.7	3,032
Rd. at fences E. and W.	36 54 50.2	90 06 14.3	2,650
Puxico, 3 mi. E. and 2.8 mi. S. of, in NE 1/4 SW 1/4 sec. 8, T. 26 N., R. 9 E., 20 ft. W. and 91 ft. S. of crossroads, 63 ft. S. of fence corner, in concrete post; standard tablet stamped "T 42 L 1931"	36 54 40.87	90 06 14.79	937
T. 26 N., R. 9 E., quarter cor. between secs. 8 and 17, T-rd. W.	36 54 24.2	90 06 15.0	1,680
T. 26 N., R. 9 E., quarter cor. between secs. 17 and 18, T-rd. W.	36 53 58.1	90 06 48.9	3,816
T. 26 N., R. 9 E., cor. secs. 17, 18, 19, and 20, crossroads	36 53 31.8	90 06 49.7	2,659
Aid, 4 mi. W. of, 23 ft. E. and 22 ft. S. of crossroads at cor. secs. 19, 20, 29, and 30, T. 26 N., R. 9 E., 4 ft. SE. of fence corner, in concrete post; standard tablet stamped "T 43 L 1931"	36 52 39.22	90 06 51.20	5,321
T. 26 N., R. 9 E., cor. secs. 20, 21, 28, and 29, crossroads	36 52 38.7	90 05 46.0	5,297
Center of bridge over drainage ditch	36 52 38.0	90 04 40.0	5,359
Aid, 1 mi. W. of, 29 ft. N. and 23 ft. E. of crossroads at cor. secs. 22, 23, 26, and 27, T. 26 N., R. 9 E., 11 ft. NE. of fence corner, in concrete post; standard tablet stamped "T 44 L 1931"	36 52 37.39	90 03 34.35	5,336
Aid, T-rd. S.	36 52 36.4	90 02 28.8	5,325
T. 26 N., R. 9 E., E. cor. secs. 24 and 25, T-rd. W., 48 ft. S. of T-rd. E. at W. cor. secs. 19 and 30, T. 26 N., R. 10 E.	36 52 35.9	90 01 22.2	5,415
T T 23 L 1931 (previously described)	36 52 48.41	90 00 08.68	6,104
6. FROM SEC. 29, T. 26 N., R. 9 E., SOUTH TO SEC. 4, T. 24 N., R. 9 E., THENCE EAST TO SEC. 5, T. 24 N., R. 10 E. (by J. M. Lawson in 1931)			
T T 43 L 1931 (previously described)	36 52 39.22	90 06 51.20	.....
T. 26 N., R. 9 E., cor. secs. 29, 30, 31, and 32, crossroads	36 51 46.8	90 06 53.6	5,308
T. 26 N., R. 9 E., S. cor. secs. 31 and 32, rd. corner from N.-E., 340 ft. W. of T-rd. S. at N. cor. secs. 5 and 6, T. 25 N., R. 9 E.	36 50 53.5	90 06 56.2	5,392
Dudley, 3 mi. N. and 1.2 mi. W. of, 58 ft. N. and 18 ft. W. of crossroads at cor. secs. 5, 6, 7, and 8, T. 25 N., R. 9 E., 34 ft. N. of fence corner, in concrete post; standard tablet stamped "T 45 L 1931"	36 50 03.68	90 06 53.63	5,036
T. 25 N., R. 9 E., cor. secs. 7, 8, 17, and 18, rd. corner from N.-E.	36 49 10.8	90 06 55.0	5,347
T. 25 N., R. 9 E., cor. secs. 8, 9, 16, and 17, crossroads	36 49 11.7	90 05 48.8	5,386
T. 25 N., R. 9 E., cor. secs. 16, 17, 20, and 21, T-rd. N.	36 48 19.3	90 05 50.6	5,298
Dudley, 1 mi. N. of, 0.2 mi. E. of cor. secs. 16, 17, 20, and 21, T. 25 N., R. 9 E., 116 ft. W. and 21 ft. N. of triangle at rd. fork S., 35 ft. W. of fence corner, in concrete post; standard tablet stamped "T 46 L 1931"	36 48 19.08	90 05 35.07	1,266
U.S.C.E. B.M.; iron post stamped "P 6 2"	36 47 19.71	90 05 37.64	6,007
T-rd. E., 6 ft. N. of T-rd. W.	36 46 34.6	90 05 37.6	4,566
T. 24 N., R. 9 E., N. cor. secs. 4 and 5, rd. corner E.-S.	36 45 42.3	90 05 54.8	5,466
Dudley, 2.3 mi. S. and 0.3 mi. W. of, 22 ft. W. and 25 ft. S. of T-rd. N. at quarter cor. between secs. 4 and 5, T. 24 N., R. 9 E., 6 ft. S. of fence corner, in concrete post; standard tablet stamped "T 47 L 1931"	36 45 13.89	90 06 01.70	2,926

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 24 N., R. 9 E., quarter cor. between secs. 3 and 4, T-rd. S. -----	36 45 14.5	90 04 54.3	5,485
T. 24 N., R. 9 E., quarter cor. between secs. 2 and 3, T-rd. N. -----	36 45 14.0	90 03 48.1	5,391
Dudley, 2.5 mi. S. and 3 mi. E. of, 19 ft. S. and 80 ft. E. of T-rd. S. at quarter cor. between secs. 1 and 2, T. 24 N., R. 9 E., 35 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 48 L 1931" -----	36 45 13.16	90 02 41.25	5,440
T. 24 N., R. 9 and 10 E., quarter cor. between secs. 1 and 6, T-rd. W. -----	36 45 12.7	90 01 35.4	5,363
T-rd. E. -----	36 45 26.5	90 01 34.9	1,397
T-rd. N. -----	36 45 25.6	90 00 45.5	4,025
T T 36 L 1931 (previously described) -----	36 45 25.90	90 00 12.99	2,642

7. FROM SEC. 4, T. 24 N., R. 9 E., WEST TO SEC. 27, T. 25 N., R. 8 E., THENCE NORTH TO SEC. 28, T. 26 N., R. 8 E., THENCE EAST TO SEC. 29, T. 26 N., R. 9 E. (by J. M. Lawson in 1931)

T T 47 L 1931 (previously described) -----	36 45 13.89	90 06 01.70	.....
T. 24 N., R. 9 E., quarter cor. between secs. 5 and 6, T-rd. S. -----	36 45 14.3	90 07 08.4	5,427
Rd. at fence S. -----	36 45 14.8	90 07 40.6	2,620
T. 24 N., R. 8 and 9 E., quarter cor. between secs. 1 and 6, rd. corner from E.-N. -----	36 45 15.4	90 08 09.2	2,330
Tps. 24 and 25 N., R. 8 E., near quarter cor. between secs. 1 and 36, 359 ft. E. and 12 ft. N. from center of bridge over drainage ditch, 65 ft. NW. of crossroads, on W. side of triangle at rd. forks, in concrete post; standard tablet stamped "17 M 1931" -----	36 45 40.85	90 08 50.79	4,261
Rd. at fence N. -----	36 45 41.2	90 09 23.4	2,650
Center of bridge over drainage ditch -----	36 45 41.8	90 09 58.2	2,834
T. 24 N., R. 8 E., N. cor. secs. 2 and 3, T-rd. S. -----	36 45 42.2	90 10 21.0	1,851
Rd. corner from E.-N. -----	36 45 42.6	90 10 52.7	2,586
Black-oak tree, near rd. corner from S.-W. -----	36 46 21.6	90 10 53.5	3,943
Fisk, 1 mi. E. of, along U.S. Highway 60, 71 ft. E. and 66 ft. N. of highway at crossroad, 2 ft. S. of fence, in concrete post; standard tablet stamped "13 M 1931" -----	36 46 58.73	90 11 09.27	3,969
Crossroads -----	36 47 26.6	90 11 09.6	2,831
T-rd. S. -----	36 48 19.1	90 11 09.0	5,303
T. 25 N., R. 8 E., cor. secs. 15, 16, 21, and 22, T-rd. E. -----	36 48 19.0	90 11 26.0	1,382
Center of bridge over drainage ditch -----	36 49 16.8	90 11 25.3	5,840
T. 25 N., R. 8 E., secs. 9 and 10, 50 ft. W. and 17 ft. S. of crossroads at quarter cor. between, in concrete post; standard tablet stamped "14 M 1931" -----	36 49 37.7	90 11 25.8	2,119
T. 25 N., R. 8 E., cor. secs. 3, 4, 9, and 10, T-rd. W. -----	36 50 04.1	90 11 24.8	2,669
T. 25 N., R. 8 E., N. cor. secs. 3 and 4, T-rd. S. -----	36 50 55.2	90 11 24.3	5,170
T. 26 N., R. 8 E., cor. secs. 27, 28, 33, and 34, T-rd. W. -----	36 51 48.2	90 11 19.1	5,374
T. 26 N., R. 8 E., in NE. cor. sec. 28, 53 ft. W. and 18 ft. S. of crossroads, 30 ft. W. and 2 ft. S. of fence corner, in concrete post; standard tablet stamped "15 M 1931" -----	36 52 40.43	90 11 19.21	5,281
T. 26 N., R. 8 E., cor. secs. 22, 23, 26, and 27, crossroads -----	36 52 39.9	90 10 13.0	5,382
T. 26 N., R. 8 E., cor. secs. 23, 24, 25, and 26, crossroads -----	36 52 38.8	90 09 06.9	5,365
T. 26 N., R. 8 E., E. cor. secs. 24 and 25, T-rd. W., 185 ft. S. of T-rd. E. at W. cor. secs. 19 and 30, T. 26 N., R. 9 E. -----	36 52 36.6	90 08 00.6	5,395
T T 43 L 1931 (previously described) -----	36 52 39.22	90 06 51.20	5,639

8. FROM POPLAR BLUFF QUADRANGLE EAST ALONG U.S. HIGHWAY 60 AND MISSOURI PACIFIC RAILROAD TO SEC. 27, T. 25 N., R. 8 E. (by D. R. Cabaniss in 1931)

(Continued from Poplar Bluff quadrangle; see line 5.)

Ash Hill, 0.5 mi. W. of, along U.S. Highway 60, 35 ft. N. of highway at rd. S. to Broseley, 1 ft. S. of fence, in concrete post; standard tablet stamped "12 M 1931" -----	36 46 27.13	90 14 37.48	(7,129)
U.S.C.E. B.M.; iron post stamped "0 6 2" -----	36 46 26.45	90 14 37.21	72
Junction of rd. S. across R.R. -----	36 46 32.3	90 14 00.2	3,071
T. 25 N., R. 8 E., cor. secs. 29, 30, 31, and 32, 125 ft. W. of bridge over drainage ditch -----	36 46 35.4	90 13 39.4	1,716
Highway at fences N. and S. -----	36 46 40.7	90 13 04.7	2,876
U.S.C.E. B.M.; iron post designated "P 6 1" -----	36 46 44.18	90 12 33.87	2,529

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Highway at E. end of long bridge -----	36 46 56.1	90 11 20.6	6,079
13 M 1931 (previously described) -----	36 46 58.73	90 11 09.27	960

9. FROM POPLAR BLUFF QUADRANGLE NORTHEAST ALONG ST. LOUIS-SAN FRANCISCO
RAILWAY TO MINGO (by D. R. Cabaniss in 1931)

(Continued from Poplar Bluff quadrangle; see line 6.)

R.R. at levee, 369 ft. SW. of rd. crossing -----	36 52 35.5	90 14 47.9	(3,592)
Dale, 0.4 mi. NE. of St. Louis-San Francisco Ry. sta., 45 ft. E. of N. end of R.R. bridge 182.2, 100 ft. SW. of dwelling, in concrete post; standard tablet stamped "1 H 1931" -----	36 53 08.30	90 14 17.72	4,122
R.R. at rd. crossing -----	36 53 33.7	90 13 58.6	3,002
R.R. at private rd. crossing -----	36 53 51.5	90 13 44.8	2,117
Center of bridge 180.8 over drainage ditch -----	36 54 13.2	90 13 28.0	2,585
R.R. at private rd. crossing -----	36 54 37.9	90 13 08.7	2,954
R.R. at rd. crossing -----	36 55 04.2	90 12 48.2	3,139
R.R. at rd. crossing -----	36 55 45.1	90 12 26.2	4,502
Prim Trav Sta No 14 F 1924 Mo 345 (previously described) -----	36 56 13.10	90 11 59.46	3,566

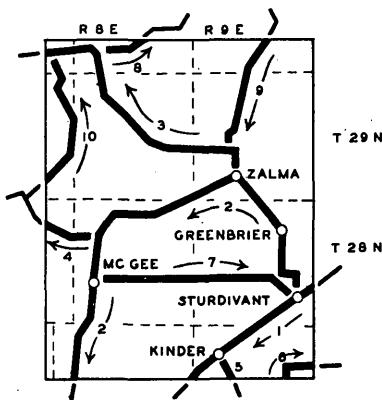
10. FROM SEC. 28, T. 26 N., R. 8 E., NORTHWEST TO SEC. 5, T. 26 N., R. 8 E.
(by D. R. Cabaniss in 1931)

15 M 1931 (previously described) -----	36 52 40.43	90 11 19.21	.....
T. 26 N., R. 8 E., quarter cor. between secs. 21 and 22, T-rd. W. -----	36 53 06.9	90 11 18.4	2,677
T. 26 N., R. 8 E., cor. secs. 15, 16, 21, and 22, rd. at fences E. and W. -----	36 53 33.7	90 11 18.3	2,705
Asherville, T-rd. S. -----	36 53 55.7	90 11 13.9	2,254
T. 26 N., R. 8 E., quarter cor. between secs. 15 and 16, T-rd. N. -----	36 53 55.8	90 11 18.1	345
Asherville, 0.8 mi. W. of, in SW 1/4 sec. 16, T. 26 N., R. 8 E., 54 ft. N. and 23 ft. W. of crossroads, in concrete post; standard tablet stamped "16 M 1931" -----	36 53 51.08	90 12 07.41	4,030
T-rd. N. -----	36 54 00.0	90 12 23.5	1,585
T-rd. E. -----	36 54 39.8	90 12 23.0	4,030
T-rd. N. -----	36 54 52.4	90 12 38.7	1,807
T-rd. W. -----	36 55 04.1	90 12 38.6	1,180
R.R. at rd. crossing (previously described) -----	36 55 04.2	90 12 48.2	774

Magnetic declination in 1931, 6°E.

ZALMA QUADRANGLE
(Latitude 37°00'-37°15'; longitude 90°00'-90°15')

Bollinger, Stoddard, and Wayne Counties



1. FROM ADVANCE QUADRANGLE SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY INTO PUXICO QUADRANGLE (by C. R. Fisher in 1924)
(Continued from Advance quadrangle; see line 2.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Sturdivant, 500 ft. W. of St. Louis-San Francisco Ry. sta., 50 ft. N. of track, at SW. corner of yard of J. M. Phelps; iron post stamped "Prim Trav Sta No 10 F 1924 349" -----	37 02 59.69	90 00 45.79	(5,280)
R.R. at milepost 165 -----	37 02 45.5	90 01 11.8	2,548
Center of trestle -----	37 02 22.8	90 01 55.1	4,194
Eaglette, near St. Louis-San Francisco Ry. sta., 50 ft. S. of track, 2 ft. S. of right-of-way, 15 ft. W. of public rd.; iron post stamped "Prim Trav Sta No 11 F 1924 Mo 346" -----	37 02 04.20	90 02 29.69	3,375
Center of bridge -----	37 01 48.6	90 03 00.5	2,956
R.R. at rd. crossing -----	37 01 39.9	90 03 17.2	1,610
Center of trestle 168.2 -----	37 01 14.0	90 04 06.6	4,787
Kinder, in NW. corner of schoolyard, 50 ft. S. of St. Louis-San Francisco Ry., 250 ft. S. of store, 150 ft. E. of post office; iron post stamped "Prim Trav Sta No 12 F 1924 Mo 342" -----	37 00 56.19	90 04 39.50	3,217
Center of trestle 169.7 -----	37 00 31.7	90 05 30.5	4,821
Idlewild, R.R. at sta. board -----	37 00 11.8	90 06 14.0	4,060
R.R. at rd. crossing -----	37 00 00.1	90 06 30.0	1,758

(Continued in Puxico quadrangle; see line 1.)

2. FROM STURDIVANT NORTH TO GREENBRIER, THENCE NORTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO ZALMA, THENCE WEST TO SEC. 8, T. 28 N., R. 8 E., THENCE SOUTH INTO PUXICO QUADRANGLE AT SEC. 7, T. 27 N., R. 8 E. (by J. L. Sanders in 1926)

Prim Trav Sta No 10 F 1924 349 (previously described)	37 02 59.69	90 00 45.79	.....
T. 28 N., R. 9 E., cor. secs. 25, 26, 35, and 36, rd. at fence E. -----	37 03 17.0	90 00 49.5	1,784
T. 28 N., R. 9 E., cor. secs. 22, 23, 26, and 27, crossroads -----	37 04 10.0	90 01 55.6	7,573
T. 28 N., R. 9 E., cor. secs. 14, 15, 22, and 23, T-rd. E. -----	37 05 02.2	90 01 55.9	5,290
Rd. at levee -----	37 06 05.7	90 01 40.2	6,545
Greenbrier, in sec. 11, T. 28 N., R. 9 E., 51 ft. N. and 18 ft. W. of main public crossing of Zalma Branch of St. Louis-San Francisco Ry., in SW. corner of concrete well-platform; standard tablet stamped "P T Sta No 57 S 1926" -----	37 06 38.68	90 01 31.97	3,406
Center of bridge C-166.3 -----	37 06 51.7	90 02 33.7	5,172
R.R. at milepost 167 -----	37 07 20.8	90 03 00.4	3,655
Castor River, center of bridge over -----	37 07 55.9	90 03 13.3	3,699

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Zalma, 720 ft. E. of post office, 82 ft. S. of SE. corner of St. Louis-San Francisco Ry. sta., 21 ft. S. and 18 ft. W. of public rd. crossing, in sandstone boulder; standard tablet stamped "P T Sta No 58 S 1926" -----	37 08 41.05	90 04 31.32	7,800
Zalma, intersection of main streets -----	37 08 41.0	90 04 42.3	889
Black-oak tree at S. end of lane -----	37 08 11.3	90 05 13.2	3,908
Rd. forks near farmhouse of Frank Boyer -----	37 08 00.1	90 05 59.4	3,912
Tps. 28 and 29 N., Rs. 8 and 9 E., cor. of, stone at end of lane -----	37 07 47.4	90 06 35.7	3,203
Zalma, 3 mi. SW. of, in SW 1/4 sec. 36, T. 29 N., R. 8 E., on top of hill, 1,200 ft. W. of Walker Chapel, 25 ft. S. and 66 ft. E. from dim crossroads, in sandstone boulder; standard tablet stamped "P T Sta No 59 S 1926" -----	37 07 52.38	90 07 37.49	5,025
Rd. forks -----	37 07 31.6	90 08 27.4	4,550
Rd. forks -----	37 07 28.1	90 09 49.6	6,669
Rd. forks -----	37 07 14.7	90 10 23.2	3,027
Flatwood School, 50 ft. S. and 50 ft. W. of cor. secs. 4, 5, 8, and 9, T. 28 N., R. 8 E., 18 ft. E. of NE. corner of school, in SE. corner of concrete cistern curb; standard tablet stamped "P T Sta No 60 S 1926" -----	37 06 56.52	90 11 10.26	4,233
SW. corner of large barn of Samuel Duniphan -----	37 06 32.4	90 11 19.0	2,530
T. 28 N., R. 8 E., cor. secs. 8, 9, 16, and 17, rd. at fence E. -----	37 06 02.8	90 11 09.5	3,091
Center of gate to front yard of W. O. Peters -----	37 05 35.2	90 11 31.7	3,329
Well in center of triangle at rd. forks -----	37 04 43.8	90 11 42.6	5,271
McGee, 180 ft. E. of post office, 0.2 mi. S. of center of sec. 20, T. 28 N., R. 8 E., 10 ft. N. and 15 ft. E. of T-rd. N., in fence corner, in concrete post; standard tablet stamped "P T Sta No 61 S 1926" -----	37 04 27.46	90 11 42.11	1,645
Rd. forks -----	37 04 09.8	90 12 01.0	2,350
Crossroads -----	37 03 43.9	90 12 14.2	2,832
Large, inclosed spring on farm of A. W. Robinson-McGee, 2.5 mi. S. of, on Zalma-Wappapello wagon rd., near cor. secs. 4, 5, 31, and 32, Tps. 27 and 28 N., R. 8 E., 0.2 mi. N. of Bright Prospect Church, 280 ft. SE. of dwelling of Byron Decils, in fence corner, in concrete post; standard tablet stamped "P T Sta No 62 S 1926" -----	37 02 30.35	90 12 13.37	2,718
T-rd. E. -----	37 01 42.0	90 13 21.4	7,365
T-rd. E. -----	37 00 30.7	90 13 21.6	7,220
Fry School, 300 ft. NE. of, 5 mi. N. of Wappapello along Zalma-Poplar Bluff wagon rd., 250 ft. SW. of dwelling of Byron Crites, at NE. corner of school grounds, 5 ft. N. of wire fence, in concrete post; standard tablet stamped "P T Sta No 63 S 1926" -----	37 00 22.87	90 13 22.46	790

(Continued in Puxico quadrangle; see line 2.)

3. FROM ZALMA NORTHWEST TO SITZKE STORE, THENCE WEST ALONG STATE HIGHWAY 34 INTO GREENVILLE QUADRANGLE (by J. L. Sanders in 1926)

P T Sta No 58 S 1926 (previously described) -----	37 08 41.05	90 04 31.32	.....
Castor River, NW. end of bridge over -----	37 08 49.3	90 04 39.5	1,068
T-rd. N. -----	37 09 43.0	90 04 39.8	5,423
Center of bridge -----	37 09 56.6	90 05 07.7	2,647
T. 29 N., R. 9 E., W. cor. secs. 18 and 19, pile of stones near large gate -----	37 10 21.8	90 06 35.0	7,507
Zalma, 3.5 mi. NW. of, in NE. cor. sec. 24, T. 29 N., R. 8 E., on farm of C. R. Wills, 30 ft. S. and 20 ft. E. of junction of private rd., 10 ft. N. and 10 ft. E. of large gate, in concrete post; standard tablet stamped "P T Sta No 65 S 1926" -----	37 10 22.20	90 06 45.40	847
SW. corner of farm of Joe Bess -----	37 10 25.9	90 07 34.8	4,019
Pond Creek, center of ford across -----	37 10 39.5	90 08 01.6	2,566
Rd. forks -----	37 10 42.6	90 09 09.5	5,507
Zalma, 7 mi. NW. of, along old Zalma-Fredericktown rd., in sec. 15, T. 29 N., R. 8 E., 1,500 ft. NW. of Wm. Wither's house, at W. end of old field, 36 ft. N. of rd. forks, in concrete post; standard tablet stamped "P T Sta No 66 S 1926" -----	37 11 08.38	90 09 23.80	2,847
Blazed 16-in. white-oak tree S. of rd. -----	37 11 52.4	90 10 20.8	6,413
Crossroads -----	37 12 07.8	90 10 34.0	1,884
Buchanan, near center sec. 5, T. 29 N., R. 8 E., 15 ft. SE. of post office, 20 ft. W. of rd., in concrete post; standard tablet stamped "P T Sta No 67 S 1926" -----	37 12 38.84	90 11 32.41	5,674
T. 29 N., R. 8 E., N. quarter cor. sec. 5, stone at fence corner -----	37 13 08.0	90 11 33.8	2,946

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Castor River, rd. forks near ford across Sitzke Store, 220 ft. S. of, 500 ft. E. of E. end of State Highway $\frac{3}{4}$ bridge over Castor River, at junction of highway and old Zalma- Fredericktown rd., in concrete post; standard tablet stamped "P T Sta No 68 S 1926" -----	37 13 38.9	90 11 50.5	3,409
Highway at Bollinger-Wayne county line, on line between secs. 25 and 30, T. 30 N., Rs. 7 and 8 E. -----	37 14 47.93	90 12 06.57	7,103
Junction of rd. -----	37 14 41.5	90 13 09.2	5,095
T. 30 N., R. 7 E., in NE $\frac{1}{4}$ sec. 35, about 6 mi. E. of Clubb, 600 ft. E. of J. P. Ward's house, 300 ft. W. of State Highway $\frac{3}{4}$ at junction of rd., in E. end of N. wing wall of concrete culvert; standard tablet stamped "P T Sta No 69 S 1926" -----	37 14 35.8	90 14 10.5	4,987
	37 14 06.66	90 14 41.02	3,843

(Continued in Greenville quadrangle; see line 1.)

4. FROM SEC. 8, T. 28 N., R. 8 E., WEST INTO GREENVILLE QUADRANGLE AT
SEC. 2, T. 28 N., R. 7 E. (by J. L. Sanders in 1926)

P T Sta No 60 S 1926 (previously described) -----	37 06 56.52	90 11 10.26	.....
T-rd. N. -----	37 06 57.4	90 11 26.9	1,348
T-rd. S. -----	37 06 57.9	90 12 01.0	2,760
Rd. forks -----	37 06 59.6	90 12 56.0	4,454
T. 28 N., R. 7 E., E. cor. secs. 1 and 12, pile of stones on Bollinger-Wayne county line -----	37 06 57.8	90 13 16.6	1,677
T. 28 N., R. 7 E., 0.2 mi. E. of cor. secs. 1, 2, 11, and 12, 0.2 mi. S. of dwelling of Albert Stuarts, 130 ft. N. of T-rd. N., inside of fence, in concrete post; standard tablet stamped "P T Sta No 90 S 1926" -----	37 06 55.93	90 14 09.28	4,270
Crossroads -----	37 06 54.8	90 14 26.3	1,376
Rd. forks -----	37 07 07.9	90 14 26.0	1,327

(Continued in Greenville quadrangle; see line 4.)

5. FROM PUXICO QUADRANGLE AT SEC. 10, T. 27 N., R. 9 E., NORTH TO KINDER
(by J. M. Lawson in 1931)

(Continued from Puxico quadrangle; see line 3.)

T. 27 N., R. 9 E., cor. secs. 3, 4, 9, and 10, crossroads -----	37 00 30.8	90 04 24.7	(5,309)
Duck Creek, center of bridge over -----	37 00 46.5	90 04 24.4	1,586
T-rd. S. -----	37 00 57.1	90 04 24.2	1,074
Prim Trav Sta No 12 F 1924 Mo $\frac{3}{4}$ 2 (previously described) -----	37 00 56.19	90 04 39.50	1,247

6. FROM PUXICO QUADRANGLE AT SEC. 7, T. 27 N., R. 10 E., NORTHEAST INTO
ADVANCE QUADRANGLE AT SEC. 7, T. 27 N., R. 10 E. (by J. M. Lawson
in 1931)

T T 26 L 1931 (In Puxico quadrangle; see line 3.) -----	36 59 35.51	90 01 06.83	.....
Leora, crossroads -----	37 00 00.8	90 01 03.7	2,570
Castor River, center of bridge over -----	37 00 07.9	90 01 03.2	713
Rd. forks -----	37 00 27.5	90 01 00.2	1,998

(Continued in Advance quadrangle; see line 7.)

7. FROM MCGEE EAST TO STURDIVANT (by W. C. Ellledge in 1931)

P T Sta No 61 S 1926 (previously described) -----	37 04 27.46	90 11 42.11	.....
Rd. at fence S. -----	37 04 45.7	90 11 08.6	2,283
Rd. at creek crossing -----	37 04 44.4	90 09 47.5	6,575
T. 28 N., R. 8 E., in N $\frac{1}{2}$ sec. 22, 25 ft. S. and 22 ft. E. of T-rd. S., 5 ft. S. and 2 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 45 E 1931" -----	37 04 42.03	90 09 23.46	1,960
Crossroads -----	37 04 35.4	90 08 17.1	5,419
Rd. fork SW. -----	37 04 14.2	90 07 39.6	3,716
Arab, near quarter cor. between secs. 24 and 25, T. 28 N., R. 8 E., 390 ft. E. of rd., 50 ft. S. and 25 ft. W. of corner of fences N., S., and E., in front of store, in concrete post; standard tablet stamped "T T 46 E 1931" -----	37 04 14.18	90 07 08.90	2,486
Rd. at fence S. -----	37 04 12.3	90 05 52.0	6,231
T. 28 N., R. 9 E., cor. secs. 19, 20, 29, and 30, T-rd. S. -----	37 04 12.1	90 05 11.0	3,325

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
T. 28 N., R. 9 E., secs. 20, 21, 28, and 29, 18 ft. N. and 63 ft. E. of T-rd. N. at cor. of, 45 ft. E. and 1 ft. S. of fence corner, in concrete post; standard tablet stamped "T T 47 E 1931" -----	37 04 11.65 37 04 10.7	90 04 04.71 90 03 12.3	5,372 4,251
Rd. at fence N. -----			
T. 28 N., R. 9 E., secs. 22, 23, 26, and 27, 18 ft. S. and 12 ft. E. of crossroads at cor. of, 2 ft. S. and 2 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 48 E 1931" -----	37 04 09.74 37 04 09.4	90 01 55.75 90 00 49.8	6,202 5,345
T. 28 N., R. 9 E., cor. secs. 23, 24, 25, and 26, T-rd. S. -----	37 03 29.0 37 03 29.0	90 00 49.6 90 00 49.6	4,080 4,080
Drainage ditch, center of bridge over -----			
T. 28 N., R. 9 E., cor. secs. 25, 26, 35, and 36, rd. at fences E. and W. -----	37 03 17.0	90 00 49.5	1,200
Prim Trav Sta No 10 F 1924 349 (previously described) -----	37 02 59.69	90 00 45.79	1,785

8. FROM SITZKE STORE EAST ALONG STATE HIGHWAY 34 INTO MARQUAND QUADRANGLE
(by W. C. Ellledge in 1931)

P T Sta No 68 S 1926 (previously described) -----	37 14 47.93	90 12 06.57	.....
Junction of rd. NW. -----	37 14 51.5	90 10 28.1	7,968

(Continued in Marquand quadrangle; see line 4.)

9. FROM MARQUAND QUADRANGLE AT SEC. 22, T. 30 N., R. 9 E., SOUTH TO ZALMA
(by W. C. Ellledge in 1931)

(Continued from Marquand quadrangle; see line 5.)

T. 30 N., R. 9 E., in NW 1/4 sec. 27, 210 ft. S. of rd. fork W., 200 ft. SE. of rd. at crossing of Cane Creek, E. of rd., 2 ft. NE. of fence corner, in concrete post; standard tablet stamped "T T 50 E 1931" -----	37 14 43.19 37 14 03.6 37 13 09.7	90 02 55.45 90 03 53.7 90 04 06.8	(3,907) 6,182 5,557
T-rd. W. -----			
Rd. fork W. -----			
Hahn, 0.3 mi. N. of, in NE 1/4 sec. 5, T. 29 N., R. 9 E., 21 ft. N. and 18 ft. W. of T-rd. E., 33 ft. N. of old rd. W., 2 ft. E. of fence, in concrete post; standard tablet stamped "T T 51 E 1931" -----	37 12 44.95 37 12 18.5 37 11 33.9	90 04 08.22 90 04 11.3 90 04 32.6	2,504 2,688 4,830
Rd. at fences E. and W. -----			
Center of bridge over creek -----			
Zalma, 3.1 mi. N. of, near center of N 1/2 sec. 17, T. 29 N., R. 9 E., 48 ft. S. and 30 ft. E. of T-rd. E., 1 ft. W. of fence, in concrete post; standard tablet stamped "T T 52 E 1931" -	37 11 00.76 37 09 56.7 37 09 22.6	90 04 46.36 90 05 04.0 90 04 34.9	3,528 6,638 4,174
Rd. fork N. -----	37 08 41.05	90 04 31.32	4,216
Rd. at fence E. -----			
P T Sta No 58 S 1926 (previously described) -----			

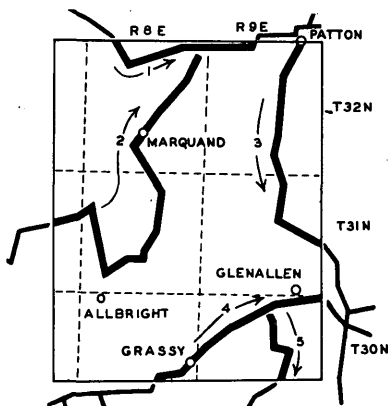
10. FROM GREENVILLE QUADRANGLE AT SEC. 26, T. 29 N., R. 7 E., NORTH TO
SEC. 35, T. 30 N., R. 7 E. (by W. C. Ellledge in 1931)

P T Sta No 91 S 1926 (In Greenville quadrangle; see line 6.) -----	37 08 54.81 37 08 59.3 37 09 56.5	90 15 53.99 90 14 53.0 90 14 24.2	 4,957 6,238
Rd. fork E. -----			
T-rd. NE. -----			
Lowmes, 3.5 mi. NE. of, 0.7 mi. NE. of ford across Bear Creek, 90 ft. W. and 18 ft. S. of T-rd. N., 2 ft. N. of fence, in concrete post; standard tablet stamped "19 M 1931" -----	37 10 16.78 37 10 58.4 37 11 26.1 37 11 48.3	90 13 29.46 90 13 29.2 90 13 34.5 90 13 46.2	4,884 4,212 2,836 2,428
Junction of dim rd. E. -----			
Center of ford across creek -----			
Rd. at fence E. -----			
T. 29 N., R. 7 E., near center sec. 1, 130 ft. S. and 35 ft. W. of T-rd. E., 40 ft. SE. of rd. forks, 25 ft. E. and 2 ft. N. of oak tree in fence corner, in concrete post; standard tablet stamped "18 M 1931" -----	37 12 35.36 37 13 11.1 37 13 43.2 37 14 30.8	90 13 36.19 90 14 04.4 90 13 50.6 90 14 17.3	4,830 4,277 3,429 5,281
Rd. fork S. -----	37 14 06.66	90 14 41.02	3,108
Rd. fork SE. -----			
T-rd. SE. -----			
P T Sta No 69 S 1926 (previously described) -----			

Magnetic declination in 1931, 5°E.

MARQUAND QUADRANGLE
(Latitude 37°15'-37°30'; longitude 90°00'-90°15')

Bollinger, Madison, and Wayne Counties



1. FROM HIGDON QUADRANGLE AT SEC. 32, T. 33 N., R. 8 E., SOUTH AND EAST INTO HIGDON QUADRANGLE AT SEC. 32, T. 33 N., R. 9 E. (by J. R. Ellis in 1907)

(Continued from Higdon quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Rd. under Missouri Pacific R.R. bridge -----	37 29 50.1	90 11 25.2	(6,698)
T. 32 N., R. 8 E., cor. secs. 4, 5, 8, and 9 ----	37 28 54.6	90 10 50.6	6,270
Walnut tree at junction of lane NE. -----	37 29 04.0	90 09 27.1	6,796
Rd. forks -----	37 29 12.3	90 08 40.7	3,823
T. 32 N., R. 8 E., quarter cor. between secs. 2 and 3, on Bollinger-Madison county line -----	37 29 15.0	90 08 37.0	398
Patton, 6.5 mi. W. of, W. of rd. at rd. forks, 133 ft. S. 58° 21' W. of SW. corner of porch of dwelling of J. J. Stone, in sandstone post; aluminum tablet stamped "Prim Trav Sta No 7 1907 Mo" -----	37 29 56.66	90 07 27.81	6,992
Tps. 32 and 33 N., Rs. 8 and 9 E., cor. of -----	37 29 46.6	90 06 14.8	5,963
T. 32 N., R. 9 E., N. cor. secs. 5 and 6, stone -	37 29 45.6	90 05 12.8	4,998
T-rd. N. -----	37 29 44.7	90 04 16.8	4,353

(Continued in Higdon quadrangle; see line 2.)

2. FROM COLDWATER QUADRANGLE AT SEC. 14, T. 31 N., R. 7 E., NORTHEAST TO SEC. 12, T. 31 N., R. 7 E., THENCE SOUTH TO SEC. 30, T. 31 N., R. 8 E., THENCE NORTHEAST TO SEC. 35, T. 33 N., R. 8 E. (by J. L. Sanders in 1926)

(Continued from Coldwater quadrangle; see line 3.)

Buckhorn, 3.5 mi. NE. of, along rd. to Marquand, near center sec. 14, T. 31 N., R. 7 E., 400 ft. SW. of sawmill, 15 ft. S. and 27 ft. W. of rd. forks, in sandstone boulder; standard tablet stamped "P T Sta No 29 S 1926" -----	37 22 03.48	90 14 54.45	(7,630)
T. 31 N., R. 7 E., cor. secs. 11, 12, 13, and 14- Marquand, 5 mi. SW. of, in SE 1/4 sec. 12, T. 31 N., R. 7 E., 700 ft. E. of County Route B, 62 ft. W. of rd. corner, 2 ft. N. and 49 ft. W. from fence corner, in concrete post; standard tablet stamped "P T Sta No 30 S 1926 559" -----	37 22 24.8	90 14 06.5	4,430
Shetley Creek, center of ford across -----	37 22 48.58	90 13 12.44	4,982
Rd. at concrete culvert -----	37 22 21.8	90 13 01.8	2,844
Rd. at dwelling of Calvin Senter -----	37 21 55.6	90 12 50.2	2,807
Rd. at concrete culvert -----	37 20 56.1	90 12 51.3	6,016
Allbright, 1.1 mi. NE. of post office, in sec. 30, T. 31 N., R. 8 E., 0.2 mi. N. of ford across Castor River, 2 ft. W. of NW. corner of Allbright School, in concrete post; standard tablet stamped "P T Sta No 31 S 1926 486" ----	37 20 33.4	90 12 50.0	2,303
Shetley Creek, center of ford across -----	37 20 10.74	90 12 48.06	2,290
Rd. at rock dike -----	37 19 57.5	90 12 41.2	1,444
T. 31 N., R. 8 E., cor. secs. 20, 21, 28, and 29-	37 20 07.0	90 11 53.4	3,977
	37 20 35.2	90 10 57.8	5,325

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T-rd. E. -----	37 20 29.1	90 10 22.4	2,922
Marquand, 5.5 mi. S. of, near quarter cor. between secs. 21 and 22, T. 31 N., R. 8 E., 45 ft. W. of rd., in concrete steps of Moore School; standard tablet stamped "P T Sta No 32 S 1926 541" -----	37 21 00.88	90 10 01.39	3,637
T. 31 N., R. 8 E., cor. secs. 15, 16, 21, and 22- Center of front doorstep of Moore Chapel -----	37 21 27.4	90 09 50.8	2,812
Rd. at stream crossing -----	37 21 53.3	90 09 23.5	3,432
T-rd. E. -----	37 22 33.7	90 09 07.4	4,290
Marquand, 2.5 mi. S. of, at Big Four School, 60 ft. S. and 15 ft. W. of front door of Henry Watkins' farmhouse, 20 ft. N. of rd., in granite boulder; standard tablet stamped "P T Sta No 33 S 1926 543" -----	37 23 14.5	90 09 00.7	4,164
Rd. at line between Tps. 31 and 32 N. -----	37 23 41.38	90 09 13.45	2,906
Rd. forks -----	37 24 18.8	90 09 47.4	4,677
Center of triangle at rd. forks -----	37 25 09.8	90 10 24.6	5,973
Marquand, 200 ft. S. of Missouri Pacific R.R. depot, 3/4 ft. N. and 15 ft. E. of R.R. at public rd. crossing, in W. end of N. wing wall of concrete culvert; standard tablet stamped "P T Sta No 34 S 1926 571" -----	37 25 34.5	90 10 24.9	2,492
Rd. at stream crossing -----	37 25 43.22	90 10 05.86	1,774
Rd. at wooden culvert -----	37 26 06.1	90 09 40.4	3,095
T. 32 N., R. 8 E., cor. secs. 14, 15, 22, and 23, rd. at fence N. on Bollinger-Madison county line -----	37 26 46.2	90 09 17.4	4,458
Rd. at dwelling of J. A. Starkey -----	37 27 01.1	90 08 38.5	3,483
Marquand, 4 mi. NE. of, 0.2 mi. N. of cor. secs. 11, 12, 13, and 14, T. 32 N., R. 8 E., 15 ft. N. and 5 1/2 ft. W. of T-rd. N., in granite boulder; standard tablet stamped "P T Sta No 35 S 1926 864" -----	37 27 28.4	90 08 21.7	3,074
T-rd. E. -----	37 28 09.24	90 07 26.81	6,055
Rd. forks -----	37 28 37.8	90 07 02.0	3,510
Rd. at gate to yard of dwelling of J. E. Baker --	37 29 05.8	90 06 43.5	3,029
T-rd. E. at store of J. J. Stone -----	37 29 27.6	90 06 30.7	2,618
Prim Trav Sta No 7 1907 Mo (previously described)	37 29 46.5	90 06 31.8	1,916
	37 29 56.66	90 07 27.81	4,629

3. FROM HIGDON QUADRANGLE SOUTHEAST ALONG STATE HIGHWAY 51 INTO MARBLE HILL QUADRANGLE (by J. L. Sanders in 1926)

Prim Trav Sta No 8 1907 Mo 605 (In Higdon quadrangle; see line 2.) -----	37 30 02.06	90 00 47.32	.....
Junction of rd. E. -----	37 29 18.3	90 01 22.4	5,250
Junction of rd. to Marquand -----	37 28 29.7	90 01 54.7	5,564
Patton, 3.2 mi. S. of, along State Highway 51, 0.2 mi. S. of L. E. Martin's farmhouse, in S. end of W. wing wall of concrete culvert; standard tablet stamped "P T Sta No 36 S 1926 783" -----	37 27 30.87	90 01 59.31	5,962
Crossroad -----	37 26 42.3	90 02 08.7	4,976
Highway at fences -----	37 26 01.8	90 02 24.8	4,299
Patton, 6.5 mi. S. of, along State Highway 51, in NW 1/4 sec. 34, T. 32 N., R. 9 E., 30 ft. N. and 15 ft. E. of highway at rd. W. to Bessville, in S. end of E. wing wall of concrete culvert; standard tablet stamped "P T Sta No 37 S 1926 864" -----	37 24 55.06	90 02 40.84	6,869
E. side of triangle at rd. junction -----	37 24 14.1	90 02 20.8	4,450
Junction of dim rd. -----	37 23 16.7	90 02 09.6	5,880
Patton, 9.8 mi. S. of, along State Highway 51, 300 ft. SW. of Monroe Robinson's farmhouse, 115 ft. S. of highway at rd. W., in S. end of E. wing wall of concrete culvert; standard tablet stamped "P T Sta No 38 S 1926" (reported destroyed, July 18, 1938) -----	37 22 58.23	90 02 23.55	2,179
T. 31 N., R. 9 E., quarter cor. between secs. 10 and 15, rd. junction -----	37 22 22.7	90 02 27.4	3,606
Junction of rd. -----	37 21 44.1	90 01 53.7	4,754
Lutesville, 4.7 mi. N. of, along State Highway 51, 0.2 mi. E. of quarter cor. between secs. 23 and 24, T. 31 N., R. 9 E., 13 ft. N. and 13 ft. W. of highway at crossroad, in E. end of N. wing wall of concrete culvert; standard tablet stamped "P T Sta No 39 S 1926 687" -----	37 21 04.87	90 00 34.22	7,548

(Continued in Marble Hill quadrangle; see line 4.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
4. FROM ZALMA QUADRANGLE NORTHEAST ALONG STATE HIGHWAY 34 INTO MARBLE HILL QUADRANGLE (by W. C. Elledge in 1931) (Continued from Zalma quadrangle; see line 8.)			
Grassy, 1.7 mi. W. of post office, 550 ft. E. of Lee Robin's farmhouse, 30 ft. N. of State Highway 34, 3 ft. SW. of fence corner, in concrete post; standard tablet stamped "4 W R B 1926" -----	37 15 07.56	90 09 15.68	(6,070)
Junction of rd. S. -----	37 15 17.9	90 08 12.8	5,185
Crossroad -----	37 15 38.2	90 07 25.6	4,333
Grassy, 1.2 mi. NE. of, 40 ft. N. of State Highway 34, in first step of concrete porch at front of dwelling of R. L. Vance; standard tablet stamped "5 W R B 1926" -----	37 16 24.57	90 06 51.04	5,451
Junction of rd. NW. -----	37 16 48.8	90 06 30.6	2,957
Junction of rd. S. -----	37 16 57.9	90 05 43.9	3,879
Lutesville, 7.1 mi. W. of, 15 ft. S. and 40 ft. E. of State Highway 34 at junction of Gravelton rd., 2 ft. inside of fence, in concrete post; standard tablet stamped "6 W R B 1926" -----	37 17 28.88	90 05 11.75	4,064
Center of culvert over creek -----	37 17 37.6	90 04 49.9	1,967
Junction of rd. SE. -----	37 18 00.4	90 03 22.7	7,410
Lutesville, 4.7 mi. W. of, 35 ft. E. of State Highway 34, at foot of long hill, 92 ft. NE. of concrete culvert, 2 ft. SW. of fence corner, in concrete post; standard tablet stamped "7 W R B 1926" -----	37 18 13.15	90 03 15.09	1,428
Junction of rd. N. -----	37 18 30.0	90 02 37.7	3,465
Lutesville, 3.1 mi. W. of, 0.2 mi. S. of Glenallen, 40 ft. S. and 25 ft. W. of State Highway 34 at rd. N., 5 ft. W. of fence corner, in concrete post; standard tablet stamped "8 W R B 1926" -----	37 18 49.29	90 01 41.89	4,907
Crossroad -----	37 18 48.6	90 01 20.2	1,750
Crossroad -----	37 18 42.7	90 00 44.2	2,966
(Continued in Marble Hill quadrangle; see line 8.)			

5. FROM SEC. 4, T. 30 N., R. 9 E., SOUTH INTO ZALMA QUADRANGLE AT SEC. 22,
T. 30 N., R. 9 E. (by W. C. Elledge in 1931)

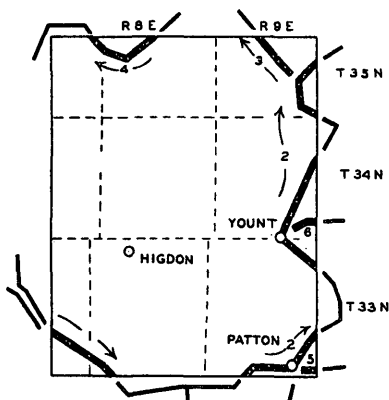
7 W R B 1926 (previously described) -----	37	18	13.15	90	03	15.09	....
Junction of private rd. E. -----	37	17	54.5	90	02	52.3	2,636
Rd. fork N. -----	37	16	50.5	90	03	01.4	6,519
Glenallen, about 4 mi. SW. of, near center sec. 15, T. 30 N., R. 9 E., 19 ft. S. and 7 ft. E. of rd. fork S., on top of hill in woods, in concrete post; standard tablet stamped "T T 49 E 1931" -----	37	16	10.24	90	02	31.17	4,744
T-rd. W. -----	37	16	05.9	90	01	42.2	3,986
Rd. fork S. -----	37	15	40.1	90	01	59.2	2,951
Junction of dim rd. SW. -----	37	15	10.4	90	02	21.1	3,490

(Continued in Zalma quadrangle; see line 9.)

Magnetic declination in 1933, 4° 30' E.

HIGDON QUADRANGLE
(Latitude 37°30'-37°45'; longitude 90°00'-90°15')

Bollinger, Madison, Perry, St. Francois, and Ste. Genevieve Counties



1. FROM FREDERICKTOWN QUADRANGLE AT SEC. 27, T. 33 N., R. 7 E., SOUTHEAST INTO MARQUAND QUADRANGLE AT SEC. 32, T. 33 N., R. 8 E. (by J. R. Ellis in 1907)

(Continued from Fredericktown quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 33 N., R. 7 E., cor. secs. 22, 23, 26, and 27-	37 31 35.9	90 14 58.1	(1,843)
Junction of rd. N., 1.5 mi. NW. of Cornwall -----	37 31 04.2	90 13 35.7	7,376
Cornwall, Missouri Pacific R.R. sta. board -----	37 30 38.2	90 12 22.2	6,472

(Continued in Marquand quadrangle; see line 1.)

2. FROM MARQUAND QUADRANGLE AT SEC. 32, T. 33 N., R. 9 E., NORTH AND EAST INTO PERRYVILLE QUADRANGLE AT SEC. 14, T. 35 N., R. 9 E. (by J. R. Ellis in 1907)

(Continued from Marquand quadrangle; see line 1.)

Stump at junction of Farminton-Patton rd. and rd. S. -----	37 30 11.3	90 01 24.3	(14,317)
Patton, on W. side of Main Street, at SE. corner of Johnson Brothers' flour mill, in stone foundation wall; aluminum tablet stamped "Prim Trav Sta No 8 1907 Mo 605" -----	37 30 02.06	90 00 47.32	3,127
T. 33 N., R. 9 E., cor. secs. 25, 26, 35, and 36, iron pipe -----	37 30 33.5	90 00 43.8	3,198
Grindstaffe, junction of rd. W. -----	37 31 19.3	90 00 26.4	4,831

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

Rd. forks, N. of Whitewater River -----	37 35 09.7	90 00 25.3	(9,397)
T-rd. N., 50 ft. S. and 15 ft. E. from SE. corner of Heitmans Mill -----	37 35 14.8	90 01 40.7	7,033
Rd. at Bollinger-Perry county line -----	37 35 52.7	90 01 54.4	1,359
Crossroads, 0.2 mi. SE. of Yount's store -----	37 36 17.4	90 02 18.9	3,180
Yount, 0.8 mi. NE. of, at rd. forks on top of hill, N. of Perryville rd., in limestone post; aluminum tablet stamped "Prim Trav Sta No 9 1907 Mo" -----	37 36 35.50	90 01 54.44	2,690
T. 34 N., R. 9 E., cor. secs. 22, 23, 26, and 27, stone -----	37 37 37.1	90 01 05.0	7,399
T-rd. -----	37 39 07.6	90 00 32.2	9,538

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

Rd. forks -----	37 41 49.2	90 00 37.5	(7,328)
Rd. fork SW. -----	37 43 34.2	90 00 15.4	10,768

(Continued in Perryville quadrangle; see line 1.)

* It was reported May 11, 1935 that this monument was reset 44 ft. N. 87° W. of above described location and position.

TRANSIT TRAVERSE IN MISSOURI

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
3. FROM SEC. 23, T. 35 N., R. 9 E., NORTH INTO WEINGARTEN QUADRANGLE AT SEC. 10, T. 35 N., R. 9 E. (by J. R. Ellis in 1907)			
Rd. fork SW. (previously described) -----	37 43 34.2	90 00 15.4	
Cedar Fork Church, T-rd. N. -----	37 44 26.4	90 00 29.5	5,410

(Continued in Weingarten quadrangle; see line 3.)

4. FROM WEINGARTEN QUADRANGLE AT SEC. 9, T. 35 N., R. 8 E., WEST INTO WEINGARTEN QUADRANGLE AT SEC. 12, T. 35 N., R. 7 E. (by J. R. Ellis in 1907)			
(Continued from Weingarten quadrangle; see line 3.)			
T. 35 N., R. 8 E., cor. secs. 8, 9, 16, and 17 --	37 44 37.3	90 09 54.2	(11,128)
Rd. forks, in NE 1/4 sec. 17, T. 35 N., R. 8 E. -	37 44 20.5	90 10 10.1	2,104
Junction of rd. N. -----	37 44 16.3	90 10 55.0	3,638

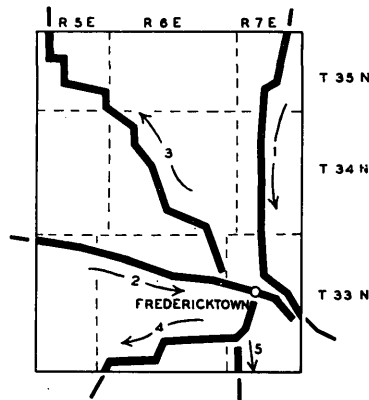
(Continued in Weingarten quadrangle; see line 3.)

5. FROM PERRYVILLE QUADRANGLE AT SEC. 36, T. 33 N., R. 9 E., SOUTHWEST TO PATTON (by J. B. Leavitt in 1921)			
(Continued from Perryville quadrangle; see line 3.)			
Rd. at dwelling -----	37 30 09.8	90 00 08.2	(4,050)
Prim Trav Sta No 8 1907 Mo 605 (previously described) -----	37 30 02.06	90 00 47.32	3,248

6. FROM PERRYVILLE QUADRANGLE AT SEC. 25, T. 34 N., R. 9 E., SOUTHWEST TO YOUNT (by J. B. Leavitt in 1921)			
Rd. fork S. -----	37 37 02.6	90 00 01.8	(5,740)
T. 34 N., R. 9 E., in NE. cor. of SW 1/4 sec. 26, on land owned by Peter Garle, 80 ft. S. of Uniontown-Yount rd., 5 ft. S. of fence corner; iron post stamped "Prim Trav Sta No 21 J B L 1921 Mo 876" -----	37 37 09.75	90 00 31.67	2,508
Rd. at crossing of branch -----	37 36 47.7	90 01 14.9	4,132
Prim Trav Sta No 9 1907 Mo (previously described) -----	37 36 35.50	90 01 54.44	3,410

Magnetic declination in 1907, 4° 45' E.

FREDERICKTOWN QUADRANGLE*
 (Latitude 37°30'-37°45'; longitude 90°15'-90°30')
 Madison, St. Francois, and Ste. Genevieve Counties



1. FROM FARMINGTON QUADRANGLE AT SEC. 9, T. 35 N., R. 7 E., SOUTHEAST INTO HIGDON QUADRANGLE AT SEC. 27, T. 33 N., R. 7 E. (by J. R. Ellis in 1907)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Prim Trav Sta No 4 1907 Mo (In Farmington quadrangle; see line 4.) -----	37 45 04.2	90 15 33.4	.....
Rd. at St. Francois-St. Genevieve county line, 15 ft. S. of fence corner W. of rd. -----	37 43 33.6	90 16 06.9	9,465
Rd. forks, 10 ft. W. of N.-S. sec. line -----	37 42 34.8	90 16 27.4	6,161
Libertyville, guidepost at crossroads -----	37 42 13.4	90 17 16.9	4,553
SE. corner of rail fence at crossroads -----	37 40 49.1	90 17 24.3	8,537
Rd. forks at Rock Creek School -----	37 39 45.8	90 17 20.6	6,418
Rd. at dwelling near Madison-St. Francois county line -----	37 38 31.5	90 17 01.3	7,680
Mine La Motte, about 0.2 mi. S. of company store, at SE. corner of bridge over branch, in N. face of stone abutment; aluminum tablet stamped "Prim Trav Sta No 5 1907" -----	37 37 08.4	90 17 19.2	8,526
Mine La Motte, 1 mi. S. of post office, in front of stone building, large stone monument -----	37 36 13.6	90 17 29.7	5,508
Fredericktown, Missouri Pacific R.R. sta. -----	37 34 02.2	90 17 37.5	13,406
semaphore, North American Lead Co. plant -----	37 33 42.6	90 16 42.2	4,878
Missouri Pacific R.R. at switch block to spur -----	37 33 33.9	90 16 02.0	3,349
Fredericktown, 1.2 mi. E. of, 40 ft. E. of rd. forks to mail box of D. B. Rhodes -----	37 33 08.1	90 15 37.9	3,274
North American Lead Co. boundary post, E. of rd. -----			
Fredericktown, 2 mi. E. and 2.5 mi. S. from, at blacksmith shop of W. J. Lincoln, in SW. corner of foundation; aluminum tablet stamped "Prim Trav Sta No 6 1907 Mo" -----	37 31 47.97	90 15 14.96	8,304

(Continued in Higdon quadrangle; see line 1.)

2. FROM IRONTON QUADRANGLE EAST ALONG STATE HIGHWAY 70 TO FREDERICKTOWN, THENCE SOUTHEAST ALONG ROADS TO SEC. 22, T. 33 N., R. 7 E. (by J. L. Sanders in 1926)

(Continued from Ironton quadrangle; see line 6.)

St. Francis River, center of bridge over -----	37 35 45.3	90 29 52.0	(1,344)
Junction of rd. S. -----	37 35 12.5	90 27 48.2	10,503
Junction of rd. N. on line between secs. 1 and 2, T. 33 N., R. 5 E. -----	37 35 08.6	90 27 14.7	2,724
Fredericktown, 8 mi. W. of, along State Highway 70, 420 ft. S. and 140 ft. W. of quarter cor. between secs. 1 and 6, T. 33 N., Rs. 5 and 6 E., 1,000 ft. W. of dwelling of W. M. St. Clair, 36 ft. N. of rd., 12 ft. SE. of SE. corner of old dwelling, in concrete post; standard tablet stamped "P T Sta No 8 S 1926 755" -----	37 35 09.47	90 26 06.06	5,528
Junction of rd. N. -----	37 34 47.2	90 24 50.2	6,509

*Knob Lick quadrangle as published in Bulletin 898-A has been renamed Fredericktown quadrangle.

Station	Latitude	Longitude	Distance
Pine Creek, center of bridge over ----- Fredericktown, 6 mi. W. of, along State Highway 70, at Hunter's store, 0.2 mi. N. of cor. secs. 4, 5, 8, and 9, T. 33 N., R. 6 E., 150 ft. W. of T-rd. S., 25 ft. S. of highway, near wire fence, in concrete post; standard tablet stamped "P T No 9 S 1926 744" -----	37 34 30.6	90 24 02.0	Feet 4,227
Frizzell Branch, center of bridge over ----- Junction of rd. S. at school ----- T. 33 N., R. 6 E., cor. secs. 3, 4, 9, and 10 --- Highway at culvert ----- Junction of rd. S. ----- T. 33 N., R. 6 E., quarter cor. between secs. 1 and 12, fence line -----	37 34 22.23 37 34 18.2 37 34 18.8 37 34 10.4 37 34 00.9 37 33 50.3	90 23 43.62 90 23 06.0 90 22 47.8 90 22 31.0 90 21 45.5 90 20 56.6	1,706 3,053 1,470 1,597 3,791 4,080
Fredericktown, 2 mi. W. of, along State Highway 70, in SE 1/4 sec. 12, T. 33 N., R. 6 E., 420 ft. SW. of dwelling of G. W. Lampher, 18 ft. N. and 21 ft. W. of T-rd. N., in con- crete culvert; standard tablet stamped "P T Sta No 10 S 1926 762" -----	37 34 13.0	90 19 50.2	5,823
Little St. Francis River, center of bridge over - Fredericktown, 25 ft. S. and 15 ft. W. of S. door of courthouse, 4 ft. N. of curbing, in concrete base of old cannon; standard tablet stamped "P T Sta No 11 S 1926 743.056" -----	37 34 02.08 37 33 32.2	90 19 31.64 90 18 44.8	1,860 4,837
Fredericktown, intersection of Main and La Motte Streets ----- Fredericktown, crossing of Missouri Pacific R.R., 156 ft. E. of sta. ----- Rd. forks ----- Junction of private rd. ----- Shady Grove School, rd. in front of ----- Prim Trav Sta No 6 1907 Mo (previously described)	37 33 33.68 37 33 34.0 37 33 53.9 37 33 34.7 37 32 54.0 37 32 34.6 37 31 47.97	90 17 39.29 90 17 33.1 90 17 32.0 90 16 03.7 90 15 33.4 90 15 19.7 90 15 14.96	5,275 494 2,015 7,562 4,748 2,243 4,726

3. FROM SEC. 12, T. 33 N., R. 6 E., NORTHWEST INTO FARMINGTON QUADRANGLE
AT SEC. 9, T. 35 N., R. 5 E. (by J. L. Sanders in 1926)

P T Sta No 10 S 1926 762 (previously described) - T-rd. W. ----- Rd. fork to Hattann Mine ----- Crossroads ----- T-rd. W. ----- Rd. forks at mail box of W. A. Howell ----- Boundary monument 81 (4-in. square iron post), at SW. corner of Mine La Motte claim ----- Fredericktown, 5.5 mi. NW. of, on Caledonia rd., in NW 1/4 NW 1/4 sec. 34, T. 34 N., R. 6 E., 18 ft. S. and 25 ft. E. from junction of private rd. S. to farmhouse of George Hovis, in concrete post; standard tablet stamped "P T No 12 S 1926" -----	37 34 02.08 37 34 19.1 37 35 09.3 37 35 27.0 37 35 52.4 37 36 36.1	90 19 31.64 90 19 23.9 90 19 49.9 90 20 07.1 90 20 31.9 90 20 47.1	 1,835 5,492 2,266 3,252 4,590
T-rd. N. ----- T-rd. W. ----- Granite post at corner of Mine La Motte claim --- T. 34 N., R. 6 E., cor. secs. 16, 17, 20, and 21, 600 ft. NW. of T-rd. S. to Kessler farmhouse, on Madison-St. Francois county line, in concrete post; standard tablet stamped "P T No 13 S 1926" -----	37 36 44.77 37 36 44.08 37 36 49.1 37 37 11.9 37 37 58.90	90 21 33.90 90 21 44.14 90 22 22.5 90 22 40.6 90 23 04.57	3,867 826 3,132 2,729 5,130
T. 34 N., R. 6 E., quarter cor. between secs. 17 and 20, rd. corner from E.-N. on Madison-St. Francois county line ----- Rd. forks ----- Rd. forks ----- T. 34 N., R. 6 E., in SW 1/4 NE 1/4 sec. 6, 670 ft. S. of bridge over St. Francis River, 500 ft. N. of farmhouse of J. Lowe, 33 ft. N. and 15 ft. E. from T-rd. E., in concrete post; standard tablet stamped "P T No 14 S 1926" -----	37 38 31.84 37 38 31.8 37 39 09.1 37 40 06.7	90 23 04.77 90 23 37.8 90 23 29.8 90 24 32.9	3,333 2,660 3,833 7,727
St. Francis River, center of bridge over ----- T. 35 N., R. 5 E., S. sixteenth cor. sec. 36, iron stake ----- T. 35 N., R. 5 E., quarter cor. between secs. 35 and 36 ----- T-rd. W. ----- Carter School, rd. in front of ----- T. 35 N., R. 5 E., cor. secs. 26, 27, 34, and 35, T-rd. S. ----- Doe Run, about 3 mi. S. of, 600 ft. E. of farm- house of Lloyd Deago, 50 ft. N. and 40 ft. E. of T-rd. E., 60 ft. S. and 40 ft. E. of T-rd. W., in granite boulder; standard tablet stamped "P T No 15 S 1926 927" -----	37 40 45.27 37 40 51.9 37 41 27.2 37 41 46.3 37 42 07.0 37 42 08.1 37 42 08.9 37 42 25.70	90 24 31.64 90 24 32.5 90 25 46.6 90 26 13.3 90 26 01.1 90 26 40.8 90 27 08.9 90 28 49.07	3,900 673 6,946 2,888 2,314 3,190 2,262 8,225

* It was reported that this tablet was moved 37 ft. N. 72° 45' W. of above described location and position.

Station	Latitude			Longitude			Distance
	°	'	"	°	'	"	
Doe Run Creek, center of bridge over -----	37	42	50.3	90	28	45.2	2,512
Rd. at lane E. -----	37	43	31.6	90	28	47.7	4,185
Mississippi River and Bonne Terre R.R. crossing -	37	43	52.8	90	28	47.9	2,142
Doe Run, 100 ft. N. of Mississippi River and Bonne Terre R.R. depot, 40 ft. W. of track, in line with R.R. property post, in concrete post; standard tablet stamped "P T No 16 S 1926 940" -----	37	44	42.85	90	29	24.70	5,864

(Continued in Farmington quadrangle; see line 5.)

4. FROM FREDERICKTOWN SOUTH TO MILLCREEK, THENCE SOUTHWEST INTO COLDWATER
QUADRANGLE AT SEC. 35, T. 33 N., R. 5 E. (by J. L. Sanders in 1926)

P T Sta No 11 S 1926 743.056 (previously described) -----	37	33	33.68	90	17	39.29	.....
Rd. at concrete culvert -----	37	32	36.0	90	17	44.7	5,846
Millcreek, front door of post office -----	37	31	35.2	90	18	35.3	7,373
Fredericktown, 2.5 mi. S. of, 0.5 mi. S. of Millcreek post office, in NW. cor. sec. 30, T. 33 N., R. 7 E., 100 ft. W. of intersection of French Mills rd. and U.S. Highway 67, between rd. forks, in concrete post; standard tablet stamped "P T Sta No 17 S 1926 751" -----	37	31	18.49	90	18	56.18	2,391
Rd. forks -----	37	31	19.0	90	19	04.8	700
Rd. at cross fences -----	37	31	26.6	90	19	36.8	4,260
T-rd. N. -----	37	31	34.8	90	20	35.3	3,203
Rd. forks -----	37	31	26.1	90	21	11.6	3,004
Rd. at lane N. -----	37	31	26.9	90	22	02.2	4,082
Fredericktown, 3 mi. S. and 4 mi. W. of, near cor. secs. 21, 22, 27, and 28, T. 33 N., R. 6 E., 700 ft. W. of bridge over Matthews Creek, 42 ft. W. of rd. forks, 23 ft. N. of rd., in sandstone ledge; standard tablet stamped "P T No 18 S 1926 700" -----	37	31	18.71	90	22	41.36	3,256
Rd. at stream crossing -----	37	30	52.7	90	23	11.2	3,563
Crossroads on line between secs. 28 and 29, T. 33 N., R. 6 E., 300 ft. W. of Graham's store	37	30	46.4	90	23	31.8	1,777
T-rd. S. -----	37	30	31.5	90	24	10.6	3,474
Rd. at crossing of Cedar Creek -----	37	30	28.0	90	25	10.4	4,835
Fredericktown, 10.2 mi. SW. of, along French Mills rd., in NE 1/4 sec. 31, T. 33 N., R. 6 E., 24 ft. N. and 10 ft. W. of rd. fork NE. to dwelling of Sam La Plant, 2 ft. E. of N.-S. wire fence, in concrete post; standard tablet stamped "P T Sta No 19 S 1926 617" -----	37	30	25.68	90	25	51.75	3,336
T. 33 N., Rs. 5 and 6 E., quarter cor. between secs. 31 and 36, stone -----	37	30	11.7	90	26	08.8	1,973
Rd. forks -----	37	30	14.7	90	26	43.8	2,836
St. Francis River, center of ford across -----	37	30	05.6	90	27	28.2	3,695

(Continued in Coldwater quadrangle; see line 2.)

5. FROM SEC. 30, T. 33 N., R. 7 E., SOUTH ALONG U.S. HIGHWAY 67 INTO
COLDWATER QUADRANGLE (by J. L. Sanders in 1926)

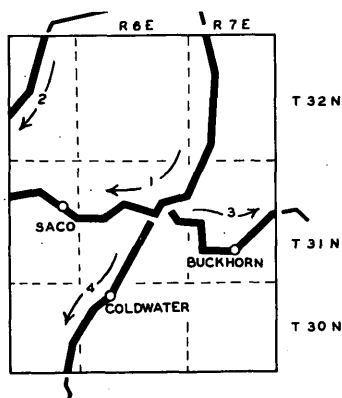
P T Sta No 17 S 1926 751 (previously described)-	37	31	18.49	90	18	56.18	.....
Parks Branch, center of bridge over -----	37	30	44.6	90	18	45.8	3,523

(Continued in Coldwater quadrangle; see line 1.)

Magnetic declination 5° 26' E.

COLDWATER QUADRANGLE
(Latitude 37°15'-37°30'; longitude 90°15'-90°30')

Madison and Wayne Counties



1. FROM FREDERICKTOWN QUADRANGLE SOUTH ALONG U.S. HIGHWAY 67 TO SEC. 15, T. 31 N., R. 6 E., THENCE WEST ALONG DES ARC ROAD TO SACO, THENCE WEST ALONG ROADS INTO DES ARC QUADRANGLE AT SEC. 9, T. 31 N., R. 5 E. (by J. L. Sanders in 1926)
(Continued from Fredericktown quadrangle; see line 5.)

Station	Latitude	Longitude	Distance
Highway at Ebenezer Church -----	37 29 52.6	90 18 44.5	Feet
Junction of rd. W. -----	37 29 15.1	90 18 46.9	(5,260)
Fredericktown, 6.3 mi. S. of, along U.S. Highway 67, 60 ft. N. and 424 ft. W. of cor. secs. 5, 6, 7, and 8, T. 32 N., R. 7 E., 560 ft. N. of dwelling of G. W. Berry, in N. end of E. wing wall of concrete culvert; standard tablet stamped "P T Sta No 21 S 1926 883" -----	37 26 45.36	90 18 27.90	3,377
Twelvemile Creek, center of bridge over -----	37 27 49.9	90 17 54.9	6,207
Highway at concrete culvert -----	37 27 18.2	90 17 52.7	3,211
Highway at gate to front yard of T. P. Johnson -- Antioch Church, in SW. cor. sec. 20, T. 32 N., R. 7 E., 48 ft. W. of U.S. Highway 67 at junction of rd., 25 ft. S. and 55 ft. E. of SE. corner of church, in concrete post; standard tablet stamped "F T Sta No 22 S 1926 792" -----	37 26 34.2	90 18 01.7	4,511
Twelvemile Creek, center of bridge over -----	37 26 08.88	90 18 07.98	2,608
T. 32 N., R. 7 E., cor. secs. 29, 30, 31, and 32, center of highway -----	37 25 46.4	90 18 16.8	2,376
Tps. 31 and 32 N., Rs. 6 and 7 E., about 0.4 mi. E. of cor. of, 140 ft. S. of township line, 45 ft. E. of U.S. Highway 67, in NE. corner of front step of Zion Church; standard tablet stamped "P T Sta No 23 S 1926 705" -----	37 25 13.5	90 18 27.8	3,451
Junction of rd. E. -----	37 24 18.41	90 18 57.30	6,055
Highway in front of store of Ed Settle -----	37 23 34.8	90 19 33.2	5,273
T. 31 N., R. 6 E., near cor. secs. 11, 12, 13, and 14 -----	37 23 13.2	90 19 50.6	2,600
Twelvemile, at original site of post office, in N 1/2 sec. 14, T. 31 N., R. 6 E., 300 ft. NE. of W. W. Hinkle's farmhouse, in SW. end of SE. wing wall of concrete culvert; standard tablet stamped "P T Sta No 24 S 1926 635" -----	37 22 24.4	90 20 37.4	6,219
Junction of rd. W. to Buckhorn -----	37 22 14.15	90 21 12.56	3,018
Twelvemile Creek, center of ford across -----	37 22 04.2	90 21 40.2	2,419
Rd. in front of gate to front yard of J. T. Sander -----	37 21 57.2	90 22 05.7	2,202
Rd. in front of gate to front yard of G. F. Whitener -----	37 22 22.5	90 23 18.7	6,427
Saco, 2.2 mi. E. of, along Des Arc Road, 15 ft. S. of rd., 10 ft. N. of front door to dwelling of George Whitener, inside of front gate, in W. edge of concrete step; standard tablet stamped "P T Sta No 25 S 1926 584" -----	37 22 03.8	90 24 09.0	4,478
Rd. junction -----	37 21 56.11	90 24 28.19	1,733
Rd. junction -----	37 21 41.8	90 25 09.8	3,649
Rd. junction -----	37 21 39.3	90 25 45.8	2,924
New Home Church, SE. corner of -----	37 21 47.5	90 26 00.4	1,440

Section	Latitude	Longitude	Distance
	q t "	o t "	Feet
Saco, front door of post office -----	37 21 57.2	90 26 20.1	1,874
Rd. forks -----	37 22 23.4	90 27 12.4	4,986
Saco, 1.2 mi. W. of post office, 0.2 mi. W. of ford across St. Francis River, 400 ft. SE. of dwelling of T. J. Perry, 15 ft. N. of rd., near wire fence, in ledge; standard tablet stamped "P T Sta No 26 S 1926" -----	37 22 36.75	90 27 24.00	1,641
Rd. forks -----	37 23 05.1	90 28 00.7	4,122
Elm tree in triangle at rd. forks -----	37 23 13.6	90 28 34.6	2,871
SE. corner of old dwelling -----	37 23 07.0	90 28 59.5	2,111
Center of ford across Leatherwood Creek -----	37 22 50.6	90 29 37.9	3,538

(Continued in Des Arc quadrangle; see line 6.)

2. FROM FREDERICKTOWN QUADRANGLE AT SEC. 35, T. 33 N., R. 5 E., SOUTHWEST
INTO DES ARC QUADRANGLE AT SEC. 21, T. 32 N., R. 5 E. (by J. L. Sanders
in 1926)

(Continued from Fredericktown quadrangle; see line 4.)

Rock Creek, center of ford across -----	37 29 49.4	90 28 17.9	(5,900)
Rd. forks -----	37 29 08.6	90 28 29.7	4,233
French Mills, 1.8 mi. N. of post office, along Fredericktown rd., 2 mi. S. of ford across St. Francis River, 450 ft. S. of dim rd. forks, 80 ft. W. of W. bank of river, 10 ft. W. of rd., in first bench of large granite boulder; standard tablet stamped "P T Sta No 20 S 1926 560" -----	37 28 45.14	90 28 36.56	2,440
Rd. at deep gulch -----	37 28 02.1	90 28 55.2	4,604
French Mills, rd. in front of door to post office T. 32 N., R. 5 E., cor. secs. 15, 16, 21, and 22- Rd. forks -----	37 27 21.5	90 29 20.0	4,569
Prim Trav Sta No 78 F 1924 (In Des Arc quad- rangle; see line 5.) -----	37 26 59.0	90 29 28.9	2,382
	37 26 23.3	90 29 37.1	3,679
	37 26 28.36	90 30 14.71	3,073

3. FROM SEC. 15, T. 31 N., R. 6 E., SOUTHEAST TO BUCKHORN, THENCE NORTHEAST
INTO MARQUAND QUADRANGLE AT SEC. 14, T. 31 N., R. 7 E. (by J. L. Sanders
in 1926)

Junction of rd. W. to Buckhorn (previously described) -----	37 22 04.9	90 21 40.2	.....
Rd. forks -----	37 21 42.1	90 20 27.8	6,283
Rd. forks -----	37 21 50.2	90 20 02.8	2,181
Rd. forks -----	37 21 30.4	90 19 36.6	2,902
Blazed oak tree, 33 ft. S. and 45 ft. E. from rd. forks -----	37 21 28.3	90 19 13.9	1,845
Buckhorn, 2.3 mi. NW. of post office, 250 ft. S. of dwelling of R. L. Hann, 80 ft. S. of old mill, 10 ft. S. and 36 ft. W. of T-rd. W., 22 ft. W. of fence corner, in concrete post; standard tablet stamped "P T Sta No 27 S 1926 633" -----	37 21 23.53	90 18 55.78	1,539
Rd. forks -----	37 20 35.8	90 18 14.5	5,866
T. 31 N., R. 7 E., quarter cor. between secs. 28 and 29, fence corner -----	37 20 16.2	90 17 31.8	3,970
Buckhorn, 1,000 ft. W. of post office, 16 ft. N. and 33 ft. W. of front door of schoolhouse, near fence corner, S. of rd., in sandstone ledge; standard tablet stamped "P T Sta No 28 S 1926 566" -----	37 20 15.62	90 17 25.82	486
East Fork of Big Creek, center of ford across --- Rd. forks -----	37 20 46.0	90 17 11.6	3,283
T-rd. E. -----	37 21 07.1	90 17 04.9	2,206
T. 31 N., R. 7 E., cor. secs. 15, 16, 21, and 22, large gum tree -----	37 21 34.8	90 16 46.9	3,151
	37 21 34.9	90 16 21.9	2,014

(Continued in Marquand quadrangle; see line 2.)

4. FROM SEC. 14, T. 31 N., R. 6 E., SOUTHWEST ALONG U.S. HIGHWAY 67 INTO
GREENVILLE QUADRANGLE (by J. L. Sanders in 1926)

Junction of rd. W. to Buckhorn (previously described) -----	37 22 04.9	90 21 40.2	.....
Highway at culvert -----	37 21 20.1	90 22 14.7	5,321
Junction of rd. -----	37 20 41.6	90 22 17.8	3,894
Coldwater, 3 mi. N. of post office, along U.S. Highway 67, 76 ft. SE. of sawmill, about 150 ft. SE. of dwelling, 12 ft. NW. of highway, in NE. end of NW. head wall of concrete cul- vert; standard tablet stamped "P T Sta No 78 S 1926 642" -----	37 20 15.30	90 22 58.77	4,243
Highway at culvert -----	37 19 44.7	90 23 30.3	4,012
Highway at Madison-Wayne county line -----	37 18 54.9	90 23 45.4	5,179

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Center of N. end of concrete culvert -----	37 12 17.4	90 24 58.9	3,596
Rd. junction -----	37 12 09.1	90 26 08.4	5,683
Center of bridge over creek -----	37 11 50.1	90 26 43.6	3,435
Center of W. end of concrete culvert -----	37 11 23.9	90 27 31.8	4,710
Junction of U.S. Highway 67 -----	37 11 10.7	90 27 55.8	2,358
Greenville, 6.5 mi. N. of, along U.S. Highway 67, 130 ft. NW. of N. junction with State Highway 34, 30 ft. N. of State Highway 34, in W. point of triangle at Claude Montgomery's filling sta.; standard tablet stamped "P T Sta No 73 S 1926" (Reported destroyed, Jan. 26, 1935) ---	37 11 24.72	90 28 14.97	2,097
Rd. junction -----	37 11 21.8	90 28 57.9	3,490

(Continued in Piedmont quadrangle; see line 3.)

2. FROM COLDWATER QUADRANGLE SOUTH ALONG U.S. HIGHWAY 67 TO SEC. 22,
T. 28 N., R. 5 E., THENCE SOUTH ALONG OLD U.S. HIGHWAY 67 INTO
POPLAR BLUFF QUADRANGLE (by J. L. Sanders in 1926)

(Continued from Coldwater quadrangle; see line 4.)

Junction of rd. W. -----	37 14 58.8	90 27 13.2	(2,692)
Center of concrete culvert -----	37 14 32.3	90 27 06.8	2,726
Bounds, 1.8 mi. N. of post office, along U.S. Highway 67, 500 ft. N. of house of L. A. Roach, at foot of S. slope of high hill, 200 ft. E. of highway, in N. end of E. head wall of concrete culvert; standard tablet stamped "P T Sta No 81 S 1926 591" -----	37 13 48.78	90 26 46.29	4,707
Junction of rd. to cemetery -----	37 13 13.1	90 27 10.8	4,112
Bounds, highway in front of door to post office - P T Sta No 73 S 1926 (previously described) -----	37 12 32.6	90 27 51.2	5,245
Silva, front door of post office -----	37 11 24.72	90 28 14.97	7,126
Highway at concrete culvert -----	37 10 34.1	90 27 49.5	5,552
Highway at concrete culvert -----	37 09 49.8	90 27 53.5	4,493
Greenville, 2.8 mi. NW. of, along U.S. Highway 67, 3 mi. SE. of Silva, 300 ft. SE. of filling sta., in W. wing wall of concrete culvert; standard tablet stamped "P T Sta No 82 S 1926 384" -----	37 08 57.0	90 27 56.6	5,348
Junction of rd. E. -----	37 08 06.12	90 27 51.66	5,164
Highway at W. end of concrete culvert -----	37 07 41.7	90 27 22.2	3,441
Junction of rd. W. across bridge over St. Francis River -----	37 06 49.3	90 27 39.1	3,471
Junction of rd. E. -----	37 06 15.2	90 27 34.6	3,471
Greenville, at S. entrance to courthouse, in cement walk at foot of SW. corner of steps; standard tablet stamped "P T Sta No 83 S 1926 381" -----	37 06 08.3	90 27 30.7	766
Greenville, in S. part of, rd. junction -----	37 05 52.87	90 27 24.31	1,002
St. Francis River, center of bridge over -----	37 05 48.5	90 27 11.0	1,579
E. end of concrete culvert -----	37 05 44.0	90 27 13.8	506
Greenville, 2.5 mi. S. of, on old U.S. Highway 67, 500 ft. NW. of junction of County Route A, 80 ft. N. of Highway A, in N. end of concrete culvert; standard tablet stamped "P T Sta No 84 S 1926 526" -----	37 05 14.7	90 28 05.1	5,110
Junction of rd. S. -----	37 04 46.58	90 28 54.54	4,914
Junction of dim rd. -----	37 03 35.7	90 29 10.2	7,280
Greenville, 6 mi. S. of, 3.5 mi. N. of Taskee, in NE 1/4 sec. 1, T. 27 N., R. 5 E., 0.9 mi. N. of John Keele's residence, in N. end of concrete culvert; standard tablet stamped "P T Sta No 85 S 1926 540" -----	37 03 03.7	90 28 48.3	3,700
E. wing wall of concrete culvert -----	37 02 17.04	90 28 04.76	5,892
Rd. junction -----	37 01 53.6	90 27 58.6	2,430
Rd. junction -----	37 01 10.0	90 27 49.8	4,468
Rd. junction -----	37 01 02.2	90 27 34.2	1,486

(Continued in Poplar Bluff quadrangle; see line 3.)

3. FROM SEC. 22, T. 28 N., R. 5 E., WEST INTO PIEDMONT QUADRANGLE AT
SEC. 27, T. 28 N., R. 5 E. (by J. L. Sanders in 1926)

P T Sta No 84 S 1926 526 (previously described) -	37 04 46.58	90 28 54.54	.....
Center of wooden bridge -----	37 04 39.2	90 29 18.1	2,048
Center of wooden culvert -----	37 04 21.2	90 29 38.4	2,463

(Continued in Piedmont quadrangle; see line 4.)

Station	Latitude			Longitude			Distance
	°	'	"	°	'	"	Feet
4. FROM ZALMA QUADRANGLE AT SEC. 2, T. 28 N., R. 7 E., WEST AND SOUTH TO GREENVILLE (by J. L. Sanders in 1926) (Continued from Zalma quadrangle; see line 4.)							
Rd. forks -----	37	07	10.5	90	15	02.2	(2,938)
SW. corner of old dwelling -----	37	07	59.5	90	15	19.9	5,159
Rd. forks near NW. corner of garden of Curtis Hill -----	37	08	22.8	90	15	47.7	3,260
Lowndes, at E. limits of, rd. forks -----	37	08	55.1	90	15	38.6	3,342
Lowndes, 375 ft. W. of post office, 50 ft. S. of rd., at front entrance to E. E. Dunn's yard, 2 ft. W. of concrete steps, in concrete post; standard tablet stamped "P T Sta No 91 S 1926" -----	37	08	54.81	90	15	53.99	1,246
Rd. forks -----	37	08	59.2	90	16	11.9	1,513
Rd. forks -----	37	08	47.2	90	16	37.1	2,374
Center of culvert -----	37	08	13.2	90	17	20.8	4,936
Lowndes, 3 mi. W. of, along Lowndes-Greenville rd., 60 ft. SW. of John Crite's residence, 22 ft. N. of rd., in concrete post; standard tablet stamped "P T Sta No 92 S 1926" -----	37	07	44.96	90	18	49.32	7,711
T-rd. S. -----	37	07	44.1	90	19	18.7	2,377
T. 28 N., Rs. 6 and 7 E., quarter cor. between secs. 1 and 6, fence corner -----	37	07	32.9	90	19	51.5	2,886
T-rd. N. at mail box -----	37	08	11.4	90	20	56.3	6,528
Greenville, 7.3 mi. NE. of, along Holliday Road, near center sec. 35, T. 29 N., R. 6 E., 140 ft. W. of rd. forks, 90 ft. E. of wooden culvert, 18 ft. S. of rd., in concrete post; standard tablet stamped "P T Sta No 93 S 1926" -----	37	08	21.44	90	21	30.42	2,943
Center of wooden bridge -----	37	08	38.7	90	22	00.0	2,958
Rd. forks -----	37	08	58.1	90	22	43.2	4,006
Rd. at large spring -----	37	08	56.2	90	23	50.3	5,438
Greenville, 3.9 mi. NE. of, along Holliday Road, 57 ft. W. of rd., in SE. corner of T. A. Allen's yard, in concrete post; standard tablet stamped "P T Sta No 94 S 1926" -----	37	08	33.02	90	24	46.80	5,138
Holliday Creek, center of wooden bridge over -----	37	08	28.8	90	24	49.8	4,495
Holliday Creek, center of wooden bridge over -----	37	07	55.3	90	25	19.4	4,313
Rd. forks -----	37	07	11.4	90	25	58.6	5,295
Rd. forks -----	37	06	32.2	90	26	19.9	4,233
Junction of U.S. Highway 67 and Holliday Road -----	37	06	18.2	90	26	50.4	2,897
Greenville, center of street in front of door to post office -----	37	06	04.5	90	27	10.4	2,131
P T Sta No 83 S 1926 (previously described) -----	37	05	59.87	90	27	24.31	1,217

5. FROM POPLAR BLUFF QUADRANGLE AT SEC. 7, T. 27 N., R. 7 E., NORTHWEST
TO GREENVILLE (by W. C. Elledge in 1931)
(Continued from Poplar Bluff quadrangle; see line 9.)

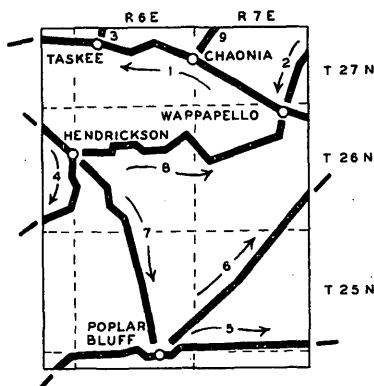
Dim crossroads -----	37	00	02.7	90	20	47.6	(4,469)
Chaonia, 2.6 mi. N. of, at Hogan Flats, 26 ft. S. and 10 ft. E. of rd. fork E., 12 ft. S. and 1 ft. E. of fence corner, in concrete post; standard tablet stamped "20 M 1931" -----	37	00	13.87	90	20	44.05	1,164
Center of ford across creek -----	37	00	36.5	90	20	20.1	3,005
T-rd. N. -----	37	00	49.0	90	19	30.5	4,219
Lost Creek, center of rd. at E. bank of -----	37	01	13.2	90	18	29.9	5,487
Shook, 1.5 mi. S. of, 0.4 mi. N. of ford across Lost Creek, 13 ft. N. of junction of Chaonia and Greenville-Wappapello rds., in concrete post; standard tablet stamped "21-M 1931" -----	37	01	26.79	90	18	16.70	1,743
Dim crossroads -----	37	01	53.4	90	18	26.1	2,800
Shook, intersection of rd. tangents S. and W. ---	37	02	33.8	90	18	33.5	4,127
Junction of private rd. W. -----	37	03	12.8	90	19	15.6	5,219
Shook, 1.7 mi. NW. of, on Greenville-Wappapello rd., 700 ft. SE. of Frank T. Bennett's house, 24 ft. S. and 100 ft. E. of T-rd. S., 2 ft. N. of fence, in concrete post; standard tablet stamped "22 M 1931" -----	37	03	37.71	90	19	41.89	3,298
Rd. fork N. -----	37	04	38.3	90	20	00.8	6,317
Center of ford across creek -----	37	05	14.7	90	20	49.9	5,419
Shook, 4.5 mi. NW. of, on Greenville-Wappapello rd., 6.2 mi. SE. of Greenville, 23 ft. N. and 110 ft. W. of rd. fork NE. to Hickory Grove School, in concrete post; standard tablet stamped "23 M 1931" -----	37	05	28.18	90	21	11.17	2,196
Rd. at fence N. -----	37	05	32.7	90	22	26.8	6,144
Rd. at fence N. -----	37	05	50.8	90	23	16.8	4,446
Greenville, 3.4 mi. SE. of courthouse, along Greenville-Wappapello rd., on top of ridge, 50 ft. N. of rd. forks, 30 ft. NW. of T-rd. S., in concrete post; standard tablet stamped "24 M 1931" -----	37	06	03.38	90	23	59.90	3,715
Rd. at crossing of pipe line -----	37	05	58.2	90	24	29.2	2,426
Rd. fork SW. -----	37	05	58.4	90	25	17.3	3,900

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
U.S.C.E. aluminum tablet -----	37 06 05.53	90 26 32.56	6,140
Crossroads -----	37 06 08.7	90 26 56.8	1,984
P T Sta No 83 S 1926 (previously described) -----	37 05 59.87	90 27 24.31	2,403

Magnetic declination in 1934, 5° E.

POPLAR BLUFF QUADRANGLE
(Latitude 36°45'-37°00'; longitude 90°15'-90°30')

Butler, Stoddard, and Wayne Counties



1. FROM PUXICO QUADRANGLE WEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY INTO
WILLIAMSVILLE QUADRANGLE (by C. R. Fisher in 1924)
(Continued from Puxico quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Center of trestle 180.9 -----	36 56 13.7	90 15 03.2	(4,080)
Center of trestle 181.4 -----	36 56 14.2	90 15 35.5	2,620
Wapapello, 200 ft. SW. of St. Louis-San Francisco Ry. sta., 75 ft. S. of R.R., 75 ft. E. of loading pen, 25 ft. W. of rd., 3 ft. S. of telephone pole; iron post stamped "Prim Trav Sta No 15 F 1924 Mo 350" -----	36 56 05.86	90 16 13.15	3,170
W. end of trestle 182.5 -----	36 55 55.7	90 16 42.1	2,565
Ferrys, R.R. at sta. -----	36 56 18.9	90 17 18.5	3,754
E. end of trestle 183.9 -----	36 56 31.1	90 17 57.6	3,426
Chaonia, 3.6 mi. E. of, 0.8 mi. E. of St. Louis- San Francisco Ry. bridge over St. Francis River, 60 ft. S. of R.R., 25 ft. E. of rd.; iron post stamped "Prim Trav Sta No 16 F 1924 Mo 352" -----	36 56 54.37	90 18 40.77	4,220
St. Francis River, E. pier of bridge over -----	36 57 24.2	90 19 14.1	4,052
R.R. at rd. crossing -----	36 57 54.0	90 19 24.2	3,121
R.R. at rd. crossing -----	36 58 25.5	90 19 41.0	3,467
R.R. at rd. crossing -----	36 58 37.2	90 19 57.2	1,772
Chaonia, 60 ft. N. of St. Louis-San Francisco Ry., 50 ft. E. of post office, at SW. corner of Dr. Holt's yard; iron post stamped "Prim Trav Sta No 17 F 1924 Mo 363" -----	36 58 52.64	90 21 07.08	5,880
R.R. at rd. crossing -----	36 58 36.3	90 21 19.3	1,931
R.R. at rd. crossing -----	36 58 32.1	90 22 10.3	4,159
E. end of trestle 190.4 -----	36 58 49.8	90 22 46.7	3,454
R.R. at rd. crossing -----	36 59 08.0	90 23 42.5	4,885
R.R. at rd. crossing -----	36 58 38.4	90 24 19.0	4,215
Ojibway, near St. Louis-San Francisco Ry. sta., 50 ft. S. of R.R., 25 ft. E. of post office, in field; iron post stamped "Prim Trav Sta No 18 F 1924 365" -----	36 58 26.12	90 24 29.28	1,493
R.R. at rd. crossing -----	36 58 26.9	90 25 10.2	3,318
R.R. at rd. crossing -----	36 58 52.3	90 25 39.4	3,500
R.R. at rd. crossing -----	36 59 02.6	90 26 26.9	3,991

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Taskee, 50 ft. W. of post office, 100 ft. N. of St. Louis-San Francisco Ry., in SW. corner of Morgan's yard; iron post stamped "Prim Trav Sta No 19 F 1924 Mo 394" -----	36 59 32.70	90 27 01.54	4,147
Ladero, R.R. at rd. crossing near sta. -----	36 59 42.7	90 28 11.9	3,794
R.R. at rd. crossing -----	36 59 44.1	90 29 33.6	6,636

(Continued in Williamsville quadrangle; see line 1.)

2. FROM PUXICO QUADRANGLE AT SEC. 24, T. 27 N., R. 7 E., SOUTHWEST TO
WAPPAPELLO (by J. L. Sanders in 1926)
(Continued from Puxico quadrangle; see line 2.)

Crossroads -----	36 58 03.7	90 15 18.8	(2,772)
Rd. at lane S. -----	36 56 38.6	90 15 50.7	8,994
Prim Trav Sta No 15 F 1924 Mo 350 (previously described) -----	36 56 05.86	90 16 13.15	3,775

3. FROM GREENVILLE QUADRANGLE AT SEC. 7, T. 27 N., R. 6 E., SOUTH TO
TASKEE STATION (by J. L. Sanders in 1926)
(Continued from Greenville quadrangle; see line 2.)

Rd. forks -----	36 59 55.7	90 26 58.6	(7,328)
Prim Trav Sta No 19 F 1924 Mo 394 (previously described) -----	36 59 32.70	90 27 01.54	2,336

4. FROM WILLIAMSVILLE QUADRANGLE SOUTHEAST ALONG MISSOURI PACIFIC RAILROAD
TO HENDRICKSON, THENCE SOUTHWEST ALONG ROADS INTO WILLIAMSVILLE
QUADRANGLE AT SEC. 4, T. 25 N., R. 5 E. (by D. R. Cabaniss in 1931)
(Continued from Williamsville quadrangle; see line 3.)

R.R. at semaphore 1502-D -----	36 55 00.8	90 29 25.2	(4,825)
R.R. at rd. crossing, 196 ft. W. of center of triangle at switch point -----	36 54 27.0	90 28 45.5	4,689
Hendrickson, 180 ft. W. of W. end of Missouri Pacific R.R. depot, 25 ft. E. of rd., 3 ft. SE. of fence post at NW. corner of depot yard, in concrete post; standard tablet stamped "2 M 1931" -----	36 54 10.79	90 28 08.90	3,398
Rd. forks -----	36 53 49.7	90 28 24.2	2,471
T-rd. N. at fence S. -----	36 53 11.4	90 28 21.6	3,874
Rd. at fence E., on line between secs. 24 and 25, T. 26 N., R. 5 E., 60 ft. N. of center of bridge -----	36 52 57.9	90 28 06.2	1,847
Rd. forks -----	36 52 51.9	90 28 07.1	2,627
T-rd. W. to Three Springs School -----	36 52 19.3	90 28 13.1	1,366
Center of ford across creek -----	36 51 47.75	90 28 28.3	3,424
Hendrickson, 3.7 mi. S. of, 35 ft. S. and 40 ft. W. of rd. fork W., 12 ft. S. of fence corner, in concrete post; standard tablet stamped "3 M 1931" -----	36 51 26.58	90 28 41.88	2,406
Center of gate to field -----	36 51 31.5	90 29 12.3	2,519
Junction of dim rd. -----	36 51 35.0	90 29 46.4	2,797
Rd. at lone, triangular-blazed pine tree S. of rd. -----	36 51 22.3	90 29 53.2	1,390

(Continued in Williamsville quadrangle; see line 4.)

5. FROM HARVIELL QUADRANGLE AT SEC. 11, T. 24 N., R. 5 E., EAST TO SEC. 4,
T. 24 N., R. 6 E., THENCE EAST ALONG U.S. HIGHWAY 60 BY WAY OF
POPLAR BLUFF INTO PUXICO QUADRANGLE (by D. R. Cabaniss in 1931)
(Continued from Harviell quadrangle; see line 1.)

T. 24 N., R. 5 E., cor. secs. 1, 2, 11, and 12--- Blazed 14-in. elm tree painted "US 368.9 BM" S. of rd., 35 ft. W. of creek -----	36 45 06.9	90 28 59.5	(1,166)
Rd. at pipe line -----	36 45 11.8	90 28 46.4	1,170
T. 24 N., R. 6 E., 0.3 mi. N. of T-rd. E. at SW. cor. sec. 6, 26 ft. E. of T-rd. W., 2 ft. E. of fence, in concrete post; standard tablet stamped "7 M 1931" -----	36 45 17.5	90 28 29.2	1,514
T-rd. E. -----	36 45 22.29	90 27 53.92	2,912
Rd. at timber line N. -----	36 45 19.4	90 27 54.2	290
Crossroads, on line between secs. 5 and 6, T. 24 N., R. 6 E. -----	36 45 23.6	90 26 58.9	4,517
Rd. fork SW., 250 ft. W. of rd. fork NW. -----	36 45 27.3	90 26 42.6	1,381
Rd. at fence N., 30 ft. W. of rd. at fence S. ---	36 45 39.2	90 26 02.4	3,489
T. 24 N., R. 6 E., center of NW 1/4 sec. 4, 77 ft. W. and 28 ft. N. of U.S. Highway 60 at rd. W., 24 ft. W. of fence corner, in concrete post; standard tablet stamped "8 M 1931" -----	36 45 43.6	90 25 37.4	2,072
	36 45 44.57	90 25 22.29	1,237

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Junction of rd. N. -----	36 45 43.2	90 25 09.8	1,019
Poplar Bluff, junction of U.S. Highway 67 -----	36 45 45.3	90 24 08.1	5,026
Poplar Bluff, junction of State Highway 53 -----	36 45 26.7	90 24 07.6	1,875
Poplar Bluff, traffic signal at intersection of Main and Vine Streets -----	36 45 22.2	90 23 34.2	2,755
Poplar Bluff, at S. entrance to Butler County courthouse, on top of guard of lower step, in limestone block; standard tablet stamped "9 M 1931" -----	36 45 22.27	90 23 32.52	138
Missouri Pacific R.R. at street crossing, 12 ft. N. and 171 ft. W. from center of bridge over Black River -----	36 45 21.1	90 23 27.6	413
U.S.C.E. B.M. designated "0 6 3" -----	36 45 36.81	90 23 21.34	1,667
Center of bridge -----	36 45 47.5	90 22 42.7	3,325
Highway at crossing of St. Louis-San Francisco Ry. -----	36 45 57.7	90 22 25.4	1,746
Levee ditch, center of bridge over -----	36 45 57.2	90 21 20.3	5,299
Tps. 24 and 25 N., Rs. 6 and 7 E., cor. of, junction of rd. N. -----	36 45 57.2	90 21 17.5	224
T. 24 N., R. 7 E., N. quarter cor. sec. 6, junction of rd. S. -----	36 45 55.9	90 20 34.4	3,508
Junction of rd. N. -----	36 45 54.4	90 20 04.8	2,417
T. 24 N., R. 7 E., secs. 5 and 6, 55 ft. W. and 37 ft. S. of U.S. Highway 60 at rd. S. at N. cor. of, 30 ft. W. and 1 ft. S. of fence corner, 85 ft. W. of gasoline pump, in concrete post; standard tablet stamped "10 M 1931" -----	36 45 53.99	90 20 02.19	213
Junction of rd. N. -----	36 45 54.0	90 19 48.7	1,101
T. 25 N., R. 7 E., S. cor. secs. 32 and 33, junction of rd. N., 395 ft. W. of junction of rd. S. at N. cor. secs. 4 and 5, T. 24 N., R. 7 E. -----	36 45 52.6	90 19 00.6	3,912
U.S.C.E. B.M. designated "0 6 1" -----	36 45 51.77	90 18 32.79	2,265
Center of bridge over drainage ditch, on line between secs. 33 and 34, T. 25 N., R. 7 E. ---	36 45 57.4	90 17 55.7	3,068
Junction of rd. S., 238 ft. W. of center of bridge over drainage ditch -----	36 46 04.5	90 17 07.5	3,986
Junland School, near quarter cor. between secs. 34 and 35, T. 25 N., R. 7 E., 121 ft. SW. of SW. corner of school, 37 ft. N. and 50 ft. E. of crossroads, in concrete post; standard tablet stamped "11 M 1931" -----	36 46 07.39	90 16 50.64	1,403
Junction of private rd. S. -----	36 46 14.0	90 16 03.6	3,885

(Continued in Puxico quadrangle; see line 8.)

6. FROM POPLAR BLUFF NORTHEAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY INTO PUXICO QUADRANGLE (by D. R. Cabaniss in 1931)

Highway at crossing of St. Louis-San Francisco Ry. (previously described) -----	36 45 57.7	90 22 25.4	....
R.R. at rd. crossing, 240 ft. SW. of center of bridge A-192.4 -----	36 46 34.6	90 21 36.0	5,480
Poplar Bluff, 2.5 mi. NE. of, 240 ft. S. and 45 ft. W. of St. Louis-San Francisco Ry. at rd. crossing, 45 ft. W. of T-rd. E. near E. edge of levee, in concrete post; standard tablet stamped "4 H 1931" -----	36 46 47.47	90 21 15.78	2,097
R.R. at rd. crossing -----	36 46 49.9	90 21 15.4	248
Center of bridge A-191.3 -----	36 47 17.1	90 20 38.8	4,053
R.R. at fence W., on line between secs. 19 and 30, T. 25 N., R. 7 E. -----	36 47 39.5	90 20 08.8	3,323
Center of bridge A-190.2 -----	36 47 55.5	90 19 47.3	2,388
Center of bridge A-189.7 -----	36 48 13.0	90 19 23.9	2,594
Center of bridge A-189.3 -----	36 48 27.4	90 19 04.4	2,157
Sawyer, R.R. at rd. crossing, 68 ft. SW. of switch point -----	36 48 44.5	90 18 41.5	2,539
Sawyer, 0.5 mi. E. of, 430 ft. E. of St. Louis- San Francisco Ry. bridge 188.4, 45 ft. N. of dim. private rd. crossing, 1 ft. W. of gate- post, 1 ft. inside of right-of-way fence, in concrete post; standard tablet stamped "3 H 1931" -----	36 49 02.86	90 18 17.74	2,679
R.R. at fence E., 112 ft. SW. of center of bridge A-188.1 -----	36 49 07.6	90 18 10.6	754
Center of bridge 187.5 -----	36 49 31.5	90 17 38.4	3,564
R.R. at private rd. crossing and fence E., 992 ft. SE. of center of bridge A-186.7 -----	36 49 57.7	90 17 12.9	3,362
Switch point 0.2 mi. SW. of sta. at Rombauer ---	36 50 23.7	90 16 58.0	2,899
R.R. at rd. crossing -----	36 50 35.8	90 16 51.1	1,339
Rombauer, 1 mi. NE. of, 42 ft. N. of W. end of St. Louis-San Francisco Ry. bridge A-185.1, 15 ft. W. of gate, 1 ft. N. of fence, in concrete post; standard tablet stamped "2 H 1931" -----	36 51 19.32	90 16 25.34	4,875

Station	Latitude	Longitude	Distance
R.R. at rd. crossing -----	36 51 35.1	90 16 07.2	Feet 2,170
R.R. at rd. crossing, 704 ft. SW. of center of bridge over St. Francis River -----	36 52 11.8	90 15 20.8	5,293

(Continued in Puxico quadrangle; see line 9.)

7. FROM HENDRICKSON SOUTHEAST TO POPLAR BLUFF (by D. R. Cabaniss in 1931)

2 M 1931 (previously described) -----	36 54 10.79	90 28 08.90	.....
T-rd. S. -----	36 54 16.1	90 28 07.0	560
Center of bridge -----	36 53 39.1	90 27 17.6	5,481
Rd. at pipe line -----	36 53 30.4	90 27 10.0	1,079
T-rd. E. -----	36 53 24.7	90 27 09.4	578
Center of bridge -----	36 53 02.5	90 26 52.4	2,642
Rd. fork NE., 374 ft. NW. of crossing of R.R. spur -----	36 52 56.4	90 26 42.8	990
Wilby, 650 ft. N. of garage, 105 ft. N. of old U.S. Highway 67 at rd. junction, 5 ft. W. of fence corner, in concrete post; standard tablet stamped "9 H 1931" -----	36 52 16.21	90 26 23.11	4,371
Center of bridge over small creek -----	36 52 09.4	90 26 23.2	688
Junction of private rd. W. -----	36 51 52.8	90 26 22.6	1,679
Rd. fork N. -----	36 51 50.1	90 25 55.2	2,245
Center of bridge -----	36 51 39.3	90 25 49.5	1,185
Rd. at fences E. and W., on line between secs. 5 and 32, Tps. 25 and 26 N., R. 6 E. -----	36 51 16.3	90 25 48.2	2,327
Rd. fork W. -----	36 50 54.8	90 25 37.3	2,354
Junction of dim rd. W. -----	36 50 50.8	90 25 25.0	1,082
Rd. at telephone-line crossing -----	36 50 38.2	90 25 27.6	1,280
T-rd. N. -----	36 50 16.2	90 25 22.1	2,267
Buck Creek, center of bridge over -----	36 50 12.3	90 25 11.4	951
Missouri Pacific R.R. main track at rd. crossing- Hilliard, 22 ft. E. of J. M. Sliger's grocery store, 42 ft. W. and 30 ft. S. of Missouri Pacific R.R. at rd. crossing, in concrete post; standard tablet stamped "10 H 1931" -----	36 49 37.3	90 25 01.6	3,630
Black River, center of bridge over -----	36 49 31.12	90 25 00.89	627
Rd. forks -----	36 49 17.8	90 25 22.9	2,243
Rd. forks -----	36 49 09.6	90 25 20.6	841
Rd. forks -----	36 49 04.7	90 25 15.3	658
Rd. at fence SW. -----	36 48 51.5	90 25 06.0	1,540
Rd. fork SW. -----	36 48 38.6	90 24 54.5	1,602
Junction of private rd. N. -----	36 48 20.1	90 24 33.3	2,548
Marble Hill School, 0.2 mi. N. of, near center of S 1/2 sec. 22, T. 25 N., R. 6 E., 45 ft. E. and 15 ft. N. of T-rd. S., in concrete post; standard tablet stamped "11 H 1931" -----	36 47 57.95	90 24 00.57	3,479
T. 25 N., R. 6 E., quarter cor. between secs. 22 and 27, T-rd. W. and fence E. -----	36 47 45.9	90 24 00.8	1,317
T-rd. W. -----	36 47 18.5	90 24 01.1	2,678
Center of bridge -----	36 47 15.2	90 24 01.2	327
T-rd. E. -----	36 47 05.5	90 24 01.4	980
T. 25 N., R. 6 E., quarter cor. between secs. 27 and 34, T-rd. W. (now U.S. Highway 67) -----	36 46 52.2	90 24 01.8	1,354
Poplar Bluff, center of street intersection -----	36 46 16.8	90 24 03.6	3,580
Poplar Bluff, street in front of Mark Twain School -----	36 45 56.8	90 24 07.4	2,041
Poplar Bluff, junction of street S. -----	36 45 43.4	90 23 48.0	2,078
9 M 1931 (previously described) -----	36 45 22.27	90 23 32.52	2,480

8. FROM HENDRICKSON EAST TO WAPPAPELLO (by D. R. Cabaniss in 1931)

T-rd. S. (previously described) -----	36 54 16.1	90 28 07.0	.....
Rd. fork N. -----	36 54 16.6	90 27 40.5	2,150
Center of bridge -----	36 54 14.7	90 27 19.7	1,697
Rd. at pipe line -----	36 54 10.3	90 27 01.8	1,528
Center of ford -----	36 54 11.4	90 26 41.9	1,615
Rd. fork SE. -----	36 54 11.0	90 26 23.7	1,479
Rd. fork SE. -----	36 54 15.3	90 26 12.3	1,030
Rd. fork E. -----	36 54 17.3	90 26 07.2	460
Rd. fork SW. -----	36 54 34.0	90 25 48.8	2,257
Rd. fork N. -----	36 54 41.9	90 25 44.9	854
Center of ford -----	36 54 41.4	90 25 09.3	2,888
Crossroads -----	36 54 41.1	90 24 54.8	1,182
Center of ford -----	36 54 41.4	90 24 29.0	2,094
T-rd. W. -----	36 54 41.7	90 24 24.8	342
T. 26 N., R. 6 E., quarter cor. between secs. 15 and 16, 25 ft. N. and 27 ft. E. of T-rd. N., in concrete post; standard tablet stamped "8 H 1931" -----	36 54 16.16	90 24 25.06	2,583
Rd. fork S. -----	36 54 21.0	90 24 09.8	1,329
Rd. fork NE. -----	36 54 35.0	90 23 40.7	2,755
Rd. fork N., 172 ft. W. of dim crossroad -----	36 54 36.3	90 23 22.5	1,488
Bluewater School -----	36 54 39.1	90 23 18.7	417

Station	Latitude	Longitude	Distance
	q i "	o i "	Feet
Bridge over creek -----	36 54 41.6	90 22 46.0	2,668
Junction of private rd. -----	36 54 41.3	90 22 38.2	635
Rd. fork NE. -----	36 54 41.4	90 22 34.2	329
Junction of dim rd. NE. -----	36 54 50.2	90 22 18.6	1,546
Bluewater School, 1.4 mi. E. of, 375 ft. E. of house, 18 ft. N. and 15 ft. E. of rd. forks, 25 ft. NE. of culvert, in concrete post; standard tablet stamped "7 H 1931" -----	36 54 55.66	90 22 05.32	1,211
Rd. fork NW. -----	36 55 04.0	90 22 04.9	843
Center of ford -----	36 55 07.9	90 21 54.0	974
T-rd. SW. -----	36 55 21.5	90 21 25.6	2,688
Rd. fork N. -----	36 54 54.4	90 21 10.4	3,006
T-rd. W. -----	36 54 43.4	90 21 10.3	1,107
T-rd. E. -----	36 54 14.9	90 21 10.8	2,887
Center of bridge -----	36 53 53.3	90 20 29.1	4,033
T. 26 N., R. 7 E., secs. 17, 18, 19, and 20, 28 ft. E. of T-rd. W. at cor. of, 3 ft. inside of fence corner, in concrete post; standard tablet stamped "6 H 1931" -----	36 53 47.56	90 19 56.05	2,745
Rd. fork W. -----	36 53 56.1	90 19 48.8	1,046
Center of ford across creek -----	36 54 03.6	90 19 28.0	1,850
Rd. fork W. -----	36 54 07.5	90 19 18.2	689
Rd. forks -----	36 54 09.9	90 19 10.5	670
Rd. at fence E. -----	36 54 11.0	90 18 51.6	1,541
Rd. fork SW. -----	36 54 14.7	90 18 51.5	376
Rd. at fence S. -----	36 54 19.8	90 18 35.3	1,409
T-rd. N. and fence S. -----	36 54 21.7	90 18 02.8	2,652
Rd. at Little Brushy School -----	36 54 21.7	90 17 57.5	430
Rd. at fences N. and S. -----	36 54 20.7	90 17 30.2	2,212
T. 26 N., R. 7 E., center of N 1/2 sec. 15 -----	36 54 20.1	90 17 14.0	1,322
Little Brushy School, 1 mi. E. and 0.2 mi. N. of, 22 ft. W. of T-rd. E., 3 ft. inside of fence corner, in concrete post; standard tablet stamped "5 H 1931" -----	36 54 33.06	90 17 14.08	1,309
Dim crossroad -----	36 54 32.8	90 17 03.6	855
T. 26 N., R. 7 E., quarter cor. between secs. 10 and 11 -----	36 54 57.7	90 16 39.9	3,165
T. 26 N., R. 7 E., center sec. 11, T-rd. W. -----	36 54 55.7	90 16 07.6	2,633
Center of bridge -----	36 55 18.4	90 16 05.7	2,304
Rd. corner from S.-E. on Butler-Wayne county line -----	36 55 21.8	90 16 03.0	408
St. Francis River, center of bridge over -----	36 55 41.7	90 15 55.4	2,097
Rd. at levee -----	36 55 54.0	90 16 06.6	1,544
Rd. forks -----	36 56 01.6	90 16 06.4	765
Prim Trav Sta No 15 F 1924 Mo 350 (previously described) -----	36 56 05.86	90 16 13.15	700

9. FROM CHAONIA NORTH INTO GREENVILLE QUADRANGLE AT SEC. 7, T. 27 N.,
R. 7 E. (by W. C. Elledge in 1931)

Prim Trav Sta No 17 F 1924 Mo 363 (previously described) -----	36 58 52.64	90 21 07.08	.....
Center of wooden bridge -----	36 59 02.4	90 21 14.0	1,141
Center of wooden bridge -----	36 59 19.1	90 20 56.2	2,217

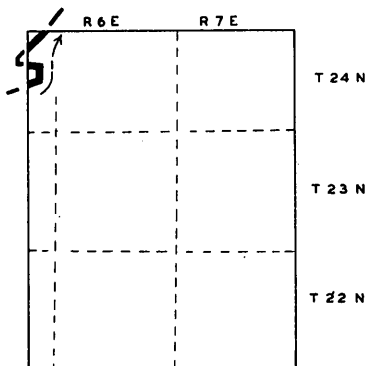
(Continued in Greenville quadrangle; see line 5.)

Magnetic declination in 1931, 5° E.

TRANSIT TRAVERSE IN MISSOURI

HARVIELL QUADRANGLE
(Latitude $36^{\circ}30' - 36^{\circ}45'$; longitude $90^{\circ}15' - 90^{\circ}30'$)

Butler County



1. FROM ACORN QUADRANGLE AT SEC. 23, T. 24 N., R. 5 E., NORTH INTO POPLAR BLUFF QUADRANGLE AT SEC. 11, T. 24 N., R. 5 E. (by D. R. Cabaniss in 1931)

(Continued from Acorn quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Cane Creek, center of bridge over -----	36 42 55.4	90 29 43.0	(3,121)
Junction of private rd. N. -----	36 43 15.8	90 29 28.0	2,398
Rd. fork N. -----	36 43 46.4	90 29 35.0	3,145
Rd. fork NW. -----	36 44 00.1	90 29 51.9	1,956
Crossroads -----	36 44 09.6	90 29 57.7	1,073

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

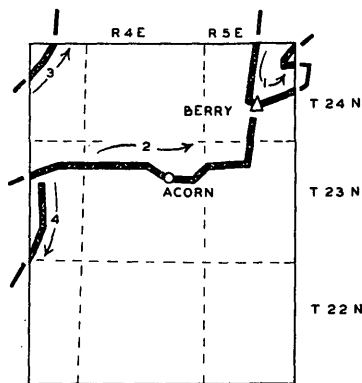
T-rd. S. -----	36 44 47.2	90 29 28.6	(3,115)
Rd. fork N. -----	36 44 59.5	90 29 10.4	1,926

(Continued in Poplar Bluff quadrangle; see line 5.)

Magnetic declination in 1930, $5^{\circ} 30'$ E.

ACORN QUADRANGLE
(Latitude $36^{\circ}30' - 36^{\circ}45'$; longitude $90^{\circ}30' - 90^{\circ}45'$)

Butler and Ripley Counties



1. FROM WILLIAMSVILLE QUADRANGLE AT SEC. 9, T. 24 N., R. 5 E., SOUTH TO SEC. 28, T. 24 N., R. 5 E., THENCE NORTHEAST INTO HARVIELL QUADRANGLE AT SEC. 11, T. 24 N., R. 5 E. (by D. R. Cabaniss in 1931)
(Continued from Williamsville quadrangle; see line 4.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Bay Springs Church, crossroads at SW. corner of yard -----	36 44 40.0	90 31 41.6	(3,280)
T-rd. S., 25 ft. E. of dim rd. N. -----	36 44 35.4	90 31 57.5	1,376
T-rd. E. -----	36 44 00.9	90 31 58.3	3,480
Rd. at fence W. and timber line E. on line between secs. 16 and 21, T. 24 N., R. 5 E. ----	36 43 21.8	90 31 58.6	3,961
Junction of dim rd. E. -----	36 43 10.0	90 31 58.7	1,204
T-rd. W. -----	36 42 55.4	90 31 58.7	1,466
Berry triangulation sta.; U.S.C. & G.S. standard disk stamped "Berry" -----	36 42 11.92	90 31 48.69	4,465
T-rd. S. -----	36 42 16.4	90 31 42.5	677
T. 24 N., R. 5 E., cor. secs. 21, 22, 27, and 28- -----	36 42 29.6	90 31 10.1	2,957
Center of bridge -----	36 42 47.9	90 30 49.0	2,525
T. 24 N., R. 5 E., center of E 1/2 sec. 22 -----	36 42 55.5	90 30 21.4	2,375

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

T. 24 N., R. 5 E., cor. secs. 10, 11, 14, and 15- -----	36 44 13.2	90 30 01.1	(457)
T. 24 N., R. 5 E., in SE 1/4 sec. 10, 220 ft. N. of rd. forks, 28 ft. NW. of bend in rd. from E. to S., on E. bank of Cane Creek, opposite ford, in concrete post; standard tablet stamped "6 M 1931" -----	36 44 22.65	90 30 20.85	1,867
Junction of private rd. NW. -----	36 44 34.6	90 30 03.5	1,859

(Continued in Harviell quadrangle; see line 1.)

2. FROM DONIPHAN QUADRANGLE EAST ALONG STATE HIGHWAY 14 TO SEC. 8, T. 23 N., R. 5 E., THENCE NORTHEAST ALONG ROADS TO SEC. 28, T. 24 N., R. 5 E. (by W. R. Broadus in 1931)
(Continued from Doniphan quadrangle; see line 1.)

Doniphan, 5 mi. E. of, along State Highway 14, 30 ft. S. and 24 ft. W. of highway at rd. S., 2 ft. S. and 8 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 62 B 1931" -----	36 39 06.45	90 44 49.07	(4,036)
Center of bridge over creek -----	36 39 08.6	90 44 33.7	1,274
Junction of rd. SE. -----	36 39 52.2	90 44 01.6	5,124
Highway at culvert -----	36 39 57.9	90 43 28.5	2,759
Crossroad -----	36 39 57.5	90 42 36.2	4,260
Flatwoods, 1 mi. S. and 0.2 mi. W. of post office, 28 ft. S. and 31 ft. E. of State Highway 14 at crossroad, 14 ft. E. and 2 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 63 B 1931" -----	36 39 56.95	90 42 03.13	2,694
Junction of private lane S. -----	36 39 57.1	90 41 25.9	3,032

Station	Latitude			Longitude			Distance Feet
	°	'	"	°	'	"	
Cypress Creek, center of bridge over -----	36	39	57.1	90	41	08.7	1,405
Junction of rd. S. -----	36	39	57.0	90	40	57.1	940
Ozark Store, crossroad -----	36	39	54.6	90	39	53.4	5,200
Junction of rd. N. -----	36	39	54.5	90	39	21.0	2,640
Fairdealing, 1.8 mi. W. of, along State Highway 14, 34 ft. S. and 32 ft. E. of highway at crossroad, 12 ft. E. and 2 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 64 B 1931" -----	36	39	54.04	90	38	48.36	2,657
Junction of rd. N. -----	36	39	54.1	90	38	16.0	2,633
Junction of rd. N. -----	36	39	53.5	90	37	42.6	2,730
Fairdealing, main crossroad -----	36	39	45.2	90	37	01.7	3,434
Fairdealing, at W. limits of, crossroad -----	36	39	39.8	90	36	36.9	2,088
Fairdealing, 1.5 mi. E. of, along State Highway 14, about 400 ft. E. of Stroud's general store, 27 ft. S. and 25 ft. W. of highway at Butler- Ripley county line, 4 ft. W. and 2 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 65 B 1931" -----	36	39	38.75	90	35	32.29	5,268
Little Black River, center of bridge over -----	36	39	40.3	90	34	27.5	5,279
Center of bridge at foot of hill -----	36	39	51.2	90	34	02.3	2,331
Highway at rd. N. -----	36	39	51.0	90	33	21.3	3,340
Fairdealing, 4.6 mi. E. of, along State Highway 14, 1 mi. W. of junction of U.S. Highway 67, 30 ft. S. and 31 ft. W. of highway at cross- road, 10 ft. W. and 2 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 66 B 1931" -----	36	39	50.05	90	32	16.81	5,258
Crossroads -----	36	40	44.6	90	32	15.9	5,516
Crossroads -----	36	41	37.0	90	32	15.3	5,300
Lone Hill Church, crossroads -----	36	42	03.1	90	32	15.0	2,645
T-rd. N. -----	36	42	03.2	90	31	42.5	2,650
Berry triangulation sta. (previously described) -	36	42	11.92	90	31	48.69	1,011

3. FROM DONIPHAN QUADRANGLE AT SEC. 16, T. 24 N., R. 3 E., NORTH INTO
WILLIAMSVILLE QUADRANGLE AT SEC. 10, T. 24 N., R. 3 E. (by
W. R. Broadus in 1931)

(Continued from Doniphan quadrangle; see line 3.)

Rd. fork SE. in front of triangular-blazed tree -	36	44	10.5	90	44	28.4	(3,509)
Little Black River, center of ford across -----	36	44	43.4	90	44	07.9	3,907
Rd. forks -----	36	44	49.7	90	44	12.7	589

(Continued in Williamsville quadrangle; see line 5.)

4. FROM SEC. 9, T. 23 N., R. 3 E., SOUTH INTO DONIPHAN QUADRANGLE AT SEC. 33,
T. 23 N., R. 3 E. (by C. W. Williams in 1935)

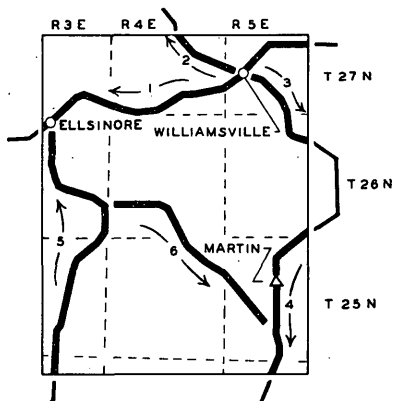
T T 62 B 1931 (previously described) -----	36	39	06.45	90	44	49.07	.....
Rd. forks -----	36	38	23.2	90	44	49.6	4,374
T-rd. E. -----	36	37	46.7	90	44	50.1	3,695
T. 23 N., R. 3 E., quarter cor. between secs. 21 and 28, T-rd. W. -----	36	37	22.0	90	44	50.7	2,500
Pulaski, Missouri Pacific R.R. at rd. crossing --	36	36	49.5	90	44	51.1	3,280
Pulaski, 0.4 mi. S. of, 27 ft. N. and 21 ft. W. of T-rd. W. at quarter cor. between secs. 28 and 33, T. 23 N., R. 3 E., in corner of fences N. and W., in concrete post; standard tablet stamped "T T 1624 E R A 1935" -----	36	36	28.55	90	44	51.94	2,123
T. 23 N., R. 3 E., S. quarter cor. sec. 33, County Route B at rd. N. -----	36	35	36.8	90	44	52.5	5,237

(Continued in Doniphan quadrangle; see line 7.)

Magnetic declination in 1929, 5° 30' E.

WILLIAMSVILLE QUADRANGLE
(Latitude $36^{\circ}45' - 37^{\circ}00'$; longitude $90^{\circ}30' - 90^{\circ}45'$)

Butler, Carter, Ripley, and Wayne Counties



1. FROM POPLAR BLUFF QUADRANGLE SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO
RAILWAY INTO GRANDIN QUADRANGLE (by C. R. Fisher in 1924)
(Continued from Poplar Bluff quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Milepost 199, about 800 ft. E. of; iron post stamped "Prim Trav Sta No 20 F 1924 Mo" -----	36 59 40.33	90 30 15.19	(3,395)
Sta. at passing track -----	36 59 36.6	90 30 57.6	3,457
R.R. at rd. crossing, near milepost 201 -----	36 59 12.5	90 32 31.7	8,014
Williamsville, crossing of Missouri Pacific R.R.-	36 58 11.8	90 32 47.0	6,263
Williamsville, 60 ft. SW. of St. Louis-San Francisco and Missouri Pacific R.R. crossing, in NE. corner of hotel yard; iron post stamped "Prim Trav Sta No 21 F 1924 Mo 392" -----	36 58 11.50	90 32 47.68	63
R.R. at rd. crossing -----	36 57 53.9	90 33 04.7	2,252
R.R. at rd. crossing -----	36 57 33.8	90 33 42.2	3,680
R.R. at rd. crossing -----	36 57 27.7	90 34 40.1	4,736
Williamsville, 3 mi. W. of, along St. Louis-San Francisco Ry., 950 ft. W. of milepost 205, 160 ft. E. of R.R. at rd. crossing, 60 ft. S. of track; iron post stamped "Prim Trav Sta No 22 F 1924 Mo 467" -----	36 57 10.03	90 35 28.35	4,307
R.R. at rd. crossing -----	36 56 50.7	90 36 54.8	7,282
R.R. at rd. crossing -----	36 56 29.0	90 36 57.2	2,209
R.R. at rd. crossing -----	36 56 13.1	90 38 06.7	5,863
Upalika, across from post office, 80 ft. S. of St. Louis-San Francisco Ry., 25 ft. W. of rd., 2 ft. E. of fence; iron post stamped "Prim Trav Sta No 23 F 1924 Mo 740" -----	36 56 12.41	90 38 23.94	1,401
R.R. at chiseled square, 0.4 mi. W. of Upalika --	36 56 28.9	90 38 42.9	2,274
R.R. at rd. crossing -----	36 56 45.5	90 39 50.4	5,733
R.R. at rd. crossing -----	36 56 46.9	90 41 04.8	6,040
Orchard Switch, 200 ft. E. of signboard, 100 ft. S. of St. Louis-San Francisco Ry., at E. end of siding, at NE. corner of W. N. Potter's yard; iron post stamped "Prim Trav Sta No 24 F 1924 767" -----	36 57 06.13	90 42 01.64	5,009
Hill top, R.R. at rd. crossing -----	36 56 05.6	90 43 25.2	9,133
R.R. at rd. crossing -----	36 56 02.5	90 44 29.8	5,256
Ellsinore, 120 ft. S. and 75 ft. E. of St. Louis-San Francisco Ry. sta., 20 ft. N. of rd., 30 ft. E. of N.-S. rd.; iron post stamped "Prim Trav Sta No 25 F 1924 Mo 710" -----	36 55 55.92	90 44 42.62	1,229
R.R. at crossing of U.S. Highway 60 -----	36 55 55.2	90 44 48.8	511

(Continued in Grandin quadrangle; see line 1.)

2. FROM WILLIAMSVILLE NORTHWEST ALONG MISSOURI PACIFIC RAILROAD INTO
PIEDMONT QUADRANGLE (by C. R. Fisher in 1924)

Prim Trav Sta No 21 F 1924 Mo 392 (previously described) -----	36 58 11.50	90 32 47.68	.....
T. 27 N., R. 5 E., cor. secs. 19, 20, 29, and 30-	36 58 10.8	90 33 06.9	1,562

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
R.R. at private rd. crossing -----	36 58 21.0	90 34 28.0	6,651
Williamsville, 2.5 mi. NW. of, along Missouri Pacific R.R., 100 ft. N. of rd. crossing, opposite T-rd. SW., in rock; standard tablet stamped "Prim Trav Sta No 52 F 1924 1925 W" --	36 58 44.37	90 35 22.63	5,023
R.R. at private rd. crossing -----	36 59 19.2	90 36 22.9	6,026

(Continued in Piedmont quadrangle; see line 1.)

3. FROM WILLIAMSVILLE SOUTHEAST ALONG MISSOURI PACIFIC RAILROAD INTO POPLAR BLUFF QUADRANGLE (by D. R. Cabaniss in 1931)

Prim Trav Sta No 21 F 1924 Mo 392 (previously described) -----	36 58 11.50	90 32 47.68	.....
R.R. at private rd. crossing -----	36 58 02.5	90 32 29.6	1,725
R.R. at rd. crossing -----	36 57 39.1	90 31 43.2	4,447
R.R. at switch point, 603 ft. N. of R.R. at private rd. crossing -----	36 57 16.8	90 31 04.1	3,893
Center of bridge 163 -----	36 56 50.8	90 30 59.4	2,655
R.R. at private rd. crossing -----	36 55 50.6	90 30 58.8	6,093
Williamsville, 4 mi. SE. of, along Missouri Pacific R.R., 0.4 mi. NW. of Keener, 32 ft. E. of post on Butler-Wayne county line, 50 ft. E. of NE. rail of track, 10 ft. SE. of bank of small creek, 1 ft. W. of fence, in concrete post; standard tablet stamped "1 M 1931" -----	36 55 35.74	90 30 42.77	1,989
Keener, main track at rd. crossing -----	36 55 21.8	90 30 18.5	2,423

(Continued in Poplar Bluff quadrangle; see line 4.)

4. FROM POPLAR BLUFF QUADRANGLE AT SEC. 4, T. 25 N., R. 5 E., SOUTH INTO ACORN QUADRANGLE AT SEC. 9, T. 24 N., R. 5 E. (by D. R. Cabaniss in 1931)

(Continued from Poplar Bluff quadrangle; see line 4.)

Crossroads -----	36 51 13.6	90 30 18.5	(2,238)
Rd. at blazed, small oak tree -----	36 51 07.5	90 30 57.1	3,198
Martin triangulation sta.; U.S.C. & G.S. standard disk stamped "Martin" -----	36 50 49.04	90 31 13.06	2,270
Rd. forks -----	36 50 32.6	90 31 36.7	2,542
T-rd. N. -----	36 50 17.9	90 31 23.5	1,835
Rd. fork SW. -----	36 49 41.0	90 31 25.0	3,733
Cane Creek School, T-rd. E. -----	36 49 00.1	90 31 33.1	4,186
Cane Creek, center of bridge over -----	36 48 49.7	90 31 26.2	1,188
U.S. Highway 60 at rd. N. -----	36 47 56.9	90 31 26.8	5,346
Poplar Bluff, 8.5 mi. NW. of, along U.S. Highway 60, in top of SW. end of SE. concrete abutment of bridge over Cane Creek; standard tablet stamped "4 M 1931" -----	36 47 53.42	90 31 15.01	1,017
Rd. forks -----	36 47 21.3	90 31 15.6	3,250
Crossroads -----	36 47 18.1	90 31 01.3	1,204
Rd. forks -----	36 46 56.1	90 30 54.9	2,286
T-rd. W. -----	36 46 14.2	90 31 08.3	4,382
Bay Springs Church, 2 mi. N. of, 0.3 mi. E. of bridge over Cane Creek, 55 ft. W. of mail boxes in triangle at rd. fork N., inside of fence at N. edge of rd., in concrete post; standard tablet stamped "5 M 1931" -----	36 45 57.76	90 31 08.22	1,656
T-rd. S. -----	36 45 53.3	90 31 32.4	2,021
Rd. forks -----	36 45 12.3	90 31 37.6	4,166

(Continued in Acorn quadrangle; see line 1.)

5. FROM ACORN QUADRANGLE AT SEC. 10, T. 24 N., R. 3 E., NORTH TO SEC. 30, T. 26 N., R. 4 E., TRENCHE NORTHWEST ALONG U.S. HIGHWAY 60 INTO GRANDIN QUADRANGLE (by W. R. Broadus in 1931)

(Continued from Acorn quadrangle; see line 3.)

T. 24 N., R. 3 E., about 0.2 mi. S. of cor. secs. 3, 4, 9, and 10, 15 ft. S. and 25 ft. E. of rd. forks, on N. side of Little Black River Valley, inside of fence corner, in concrete post; standard tablet stamped "T 68 B 1931 422" -----	36 45 03.13	90 44 05.51	(1,475)
Small bridge at foot of steep hill -----	36 45 55.2	90 43 42.7	5,582
Rd. fork SE. at triangular-blazed tree -----	36 46 16.2	90 43 45.6	2,133
Rd. fork NE. at top of hill -----	36 46 22.8	90 43 46.6	681
T-rd. E., on line between secs. 27 and 34, T. 25 N., R. 3 E. -----	36 46 57.0	90 43 51.4	3,477

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Pine Valley School, 36 ft. N. and 68 ft. W. of, in SE 1/4 NW 1/4 sec. 27, T. 25 N., R. 3 E., 22 ft. E. of rd., 4 ft. S. and 3 ft. E. of NW. corner of schoolyard, in concrete post; standard tablet stamped "T T 69 B 1931 604" --	36 47 22.91	90 43 46.07	2,658
T-rd. E. -----	36 47 36.1	90 43 38.4	1,471
Rd. at fence E., on line between secs. 22 and 27, T. 25 N., R. 3 E. -----	36 47 48.8	90 43 27.5	1,562
Crossroads -----	36 48 12.6	90 43 11.0	2,758
Fence corner N. of rd. Jog, on Carter-Ripley county line -----	36 48 41.2	90 43 09.2	2,889
Thompson Chapel, NE. corner of -----	36 49 08.3	90 43 05.7	2,756
Junction of lane W. on line between secs. 10 and 15, T. 25 N., R. 3 E. -----	36 49 33.3	90 43 09.3	2,542
Thompson Chapel, 1.3 mi. NE. of, in NE 1/4 sec. 10, T. 25 N., R. 3 E., 93 ft. S. and 40 ft. W. of County Route B at crossroad, 9 ft. S. and 3 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 70 B 1931 738" -----	36 50 17.22	90 43 20.87	4,544
Junction of rd. SW. -----	36 50 33.2	90 42 22.2	5,032
Grandin, 8.3 mi. E. of, 106 ft. SW. of Ten Mile Creek at crossing of old Doniphan-Greenville rd., 22 ft. NW. of rd., 26 ft. S. 35° E. of triangular-blazed 18-in. elm tree, in concrete post; standard tablet stamped "T T 71 B 1931" * -----	36 51 01.00	90 41 06.52	6,766
Rd. fork N. -----	36 51 33.5	90 41 12.0	3,314
Rd. junction -----	36 52 10.4	90 40 46.1	4,287
Ellsinoe, 6.8 mi. SE. of, along U.S. Highway 60, 28 ft. N. and 43 ft. E. of highway at junction of E. fork of County Route B, in concrete post; standard tablet stamped "T T 72 B 1931 750" --	36 52 48.78	90 40 26.04	4,207
Junction of rd. S. -----	36 52 51.2	90 40 38.1	1,007
Junction of rd. N. to Kearby farm -----	36 53 00.8	90 41 19.1	3,473
Junction of woods rd. S. -----	36 53 30.4	90 42 46.2	7,752
Crossroad -----	36 53 29.8	90 43 06.9	1,679
Ellsinoe, 3.4 mi. SE. of, along U.S. Highway 60, 27 ft. S. and 29 ft. E. of highway at rd. S., 5 ft. N. and 17 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 73 B 1931" -----	36 53 29.09	90 43 45.02	3,096
Junction of rd. NE. -----	36 53 50.7	90 44 23.7	3,827
Junction of rd. W. -----	36 53 59.9	90 44 26.4	951
Cane Creek, center of bridge over -----	36 54 37.1	90 44 32.3	3,798
Junction of rd. SE. -----	36 55 28.2	90 44 47.2	5,304
Prim Trav Sta No 25 F 1924 Mo 710 (previously described) -----	36 55 55.92	90 44 42.62	2,833

(Continued in Grandin quadrangle; see line 4.)

6. FROM SEC. 30, T. 26 N., R. 4 E., SOUTHEAST ALONG U.S. HIGHWAY 60 TO SEC. 21, T. 25 N., R. 5 E. (by W. R. Broadus in 1932)

T T 72 B 1931 750 (previously described) -----	36 52 48.78	90 40 26.04	.....
Junction of rd. N. -----	36 52 51.4	90 40 12.9	1,100
Highway at Butler-Carter county line -----	36 52 58.0	90 39 40.4	2,728
Junction of rd. N. -----	36 53 06.8	90 38 51.1	4,103
Junction of rd. N. -----	36 52 57.0	90 38 01.0	4,185
Ellsinoe, 9.6 mi. SE. of, along U.S. Highway 60, 40 ft. N. and 20 ft. E. of highway at junction of dim rd. N., 25 ft. N. and 70 ft. W. of NW. corner of A. B. Short's house, in concrete post; standard tablet stamped "T T 15 B 1932 723" -----	36 52 46.70	90 37 29.44	2,768
Junction of rd. W. -----	36 51 11.2	90 36 55.2	10,535
Ellsinoe, 12.7 mi. SE. of, along U.S. Highway 60, 30 ft. SW. of highway, 50 ft. N. and 70 ft. W. of NW. corner of Scott's filling sta., in concrete post; standard tablet stamped "T T 16 B 1932 623" -----	36 50 52.79	90 36 19.07	3,481
Highway at general store of M. A. Eudaley -----	36 50 41.5	90 35 45.1	2,985
Junction of rd. N. -----	36 50 22.1	90 34 15.0	7,585
Junction of private lane W. -----	36 49 42.6	90 34 06.3	4,057
Ellsinoe, 16.1 mi. SE. of, along U.S. Highway 60, 12.6 mi. NW. of Poplar Bluff, 34 ft. S. and 22 ft. W. of highway at rd. S., in concrete post; standard tablet stamped "T T 17 B 1932 558" -----	36 49 18.04	90 33 56.17	2,606
Junction of rd. NE. -----	36 49 14.9	90 32 52.2	5,216
Poplar Bluff, 10.5 mi. NW. of, along U.S. Highway 60, about 1,000 ft. SE. of I. M. Kearby's house, 30 ft. S. of highway at fence S. along W. side of dim rd., in concrete post; standard tablet stamped "T T 18 B 1932 550" -----	36 48 30.50	90 32 44.14	4,537

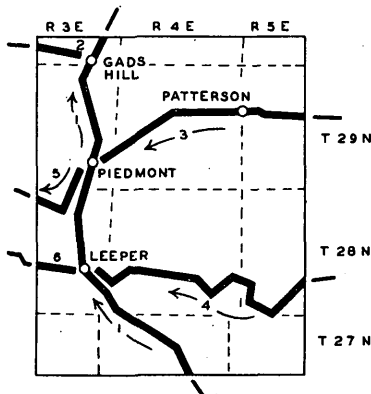
* It was reported that this monument was reset 31 ft. N. 70° W. of above described location and position.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Junction of rd. W. at Pine Ridge Camp -----	36 48 14.4	90 32 11.0	3,447
Junction of rd. N. -----	36 48 10.3	90 32 07.5	500
Junction of rd. N. -----	36 48 10.9	90 31 42.2	2,054
Junction of rd. W. -----	36 47 59.2	90 31 30.0	1,541
4 M 1931 (previously described) -----	36 47 53.42	90 31 15.01	1,353

Magnetic declination in 1934, 6° E.

PIEDMONT QUADRANGLE
(Latitude 37°00'-37°15'; longitude 90°30'-90°45')

Carter, Reynolds, and Wayne Counties



1. FROM WILLIAMSVILLE QUADRANGLE NORTHWEST ALONG MISSOURI PACIFIC RAILROAD
INTO DES ARC QUADRANGLE (by C. R. Fisher in 1924)
(Continued from Williamsville quadrangle; see line 2.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Granite Bend, 250 ft. N. of Missouri Pacific R.R. sta. sign, 40 ft. W. of track, 150 ft. N. of rd. crossing, in limestone ledge; standard tablet stamped "Prim Trav Sta No 53 F 1924 W 1925" -----	37 00 30.36	90 36 43.87	(7,395)
Bridge over rd. -----	37 01 24.3	90 37 23.4	6,328
R.R. at concrete culvert -----	37 01 45.8	90 38 30.2	5,834
Mill Spring, 2 mi. SE. of, on W. side of Missouri Pacific R.R., in S. abutment of girder bridge 144; standard tablet stamped "Prim Trav Sta No 54 F 1924 W 1925" -----	37 02 04.71	90 39 20.03	4,469
T. 27 N., Rs. 3 and 4 E., N. cor. secs. 1 and 6 - Mill Spring, 750 ft. SE. of Missouri Pacific R.R. sta., 20 ft. W. of Mill Spring, in limestone ledge; standard tablet stamped "Prim Trav Sta No 55 F 1924 W 1925 431" -----	37 02 53.2	90 40 30.5	7,529
Mill Spring, R.R. at rd. crossing, 150 ft. N. of sta. -----	37 03 35.70	90 40 53.65	4,686
Leeper, 250 ft. N. of Missouri Pacific R.R., in W. side of steps to Ozark Hotel; standard tablet stamped "Prim Trav Sta No 56 F 1924 W 1925 452" -----	37 03 41.9	90 41 02.7	964
Bridge over rd. -----	37 04 23.24	90 42 16.55	7,297
Clearwater, R.R. at sta. -----	37 04 51.2	90 42 33.9	3,160
R.R. at concrete culvert -----	37 05 17.1	90 42 39.7	2,650
Piedmont, 3 mi. S. of, 30 ft. N. of concrete milepost 130, on W. side of Missouri Pacific R.R., in stone approach to bridge over McKenzie Creek; standard tablet stamped "Prim Trav Sta No 57 F 1924 W 1925 461" -----	37 06 20.1	90 42 55.6	6,502
Carter, R.R. at rd. crossing, 40 ft. N. of switch stand -----	37 06 53.53	90 43 03.43	3,435
Piedmont, at S. limits of, R.R. at switch stand -----	37 07 23.4	90 43 00.7	3,027
Piedmont, at NW. corner of American Hotel, in concrete porch; standard tablet stamped "Prim Trav Sta No 58 F 1924 W 1925 502" -----	37 08 29.8	90 42 22.3	7,400
	37 09 15.20	90 41 50.36	5,269

Station	Latitude	Longitude	Distance
Piedmont, R.R. at rd. crossing N. of sta. -----	° ' " 37 09 18.8	° ' " 90 41 48.1	Feet 406
T. 29 N., R. 3 E., quarter cor. between secs. 23 and 26 -----	37 09 57.0	90 41 29.6	4,152
Milepost 125 -----	37 10 43.3	90 41 56.3	5,158
T. 29 N., R. 3 E., cor. secs. 14, 15, 22, and 23- R.R. at rd. crossing -----	37 10 49.1	90 42 00.3	5,669
Piedmont, 3 mi. N. of, on W. side of Missouri Pacific R.R. track, 200 ft. E. of concrete house, in W. end of S. pier of steel bridge; standard tablet stamped "Prim Trav Sta No 59 F 1924 W 1925" -----	37 11 32.38	90 42 08.64	1,789
Platow, R.R. at switch point at N. end of sta. -- R.R. at private rd. crossing -----	37 11 55.6	90 42 22.8	2,439
R.R. at private rd. crossing -----	37 12 51.0	90 42 51.1	6,235
Gads Hill, 250 ft. N. of Missouri Pacific R.R. sta., 100 ft. E. of store of E. W. Fitz, 2 ft. S. and 4 ft. W. from NE. corner of old shed (inside shed); standard tablet stamped "Prim Trav Sta No 60 F 1924 W 1925 845" -----	37 13 17.1	90 42 47.9	2,653
	37 14 17.67	90 41 47.10	7,857

(Continued in Des Arc quadrangle; see line 1.)

2. FROM GADS HILL WEST INTO RUBLE QUADRANGLE AT SEC. 29, T. 30 N., R. 3 E. (by C. R. Fisher in 1924)

Prim Trav Sta No 60 F 1924 W 1925 845" (previously described) -----	37 14 17.67	90 41 47.10	.....
T-rd. W. -----	37 14 07.2	90 42 45.2	4,820
Rd. forks at top of ridge -----	37 14 09.2	90 43 45.7	4,730
Center of bridge -----	37 14 25.8	90 44 11.9	2,837
Rd. forks -----	37 14 41.8	90 44 42.5	2,955

(Continued in Ruble quadrangle; see line 4.)

3. FROM GREENVILLE QUADRANGLE WEST ALONG STATE HIGHWAY 34 TO PIEDMONT (by J. L. Sanders in 1926)

(Continued from Greenville quadrangle; see line 1.)

St. Francis River, center of bridge over -----	37 11 40.0	90 30 12.9	(6,337)
Junction of rd. S. -----	37 11 25.1	90 30 54.7	3,704
Patterson, 2.2 mi. E. of, along State Highway 34, 1 mi. W. of steel bridge over St. Francis River, 0.2 mi. W. of J. E. Black's house, at curve in rd. at entrance to steep valley, in E. end of N. wing wall of concrete culvert; standard tablet stamped "P T Sta No 74 S 1926 396" -----	37 11 32.51	90 31 07.07	1,253
S. end of concrete culvert -----	37 11 45.8	90 31 42.4	3,159
T. 29 N., R. 5 E., cor. secs. 7, 8, 17, and 18, stone with chiseled cross -----	37 11 44.6	90 32 00.5	1,466
Clark Creek, center of bridge over -----	37 11 26.4	90 32 18.7	2,356
Patterson, street crossing -----	37 11 17.4	90 33 03.1	3,700
Patterson, 0.5 mi. W. of, at bend in State Highway 34, in W. end of S. wing wall of concrete culvert; standard tablet stamped "P T Sta No 75 S 1926" * -----	37 11 30.56	90 33 42.98	3,492
Center of S. end of concrete culvert -----	37 11 35.0	90 34 52.4	5,633
Junction of rd. N. -----	37 11 44.7	90 35 30.7	3,251
Piedmont, 6.2 mi. NE. of, along State Highway 34, 500 ft. E. of S. P. Holmes' store and filling sta., in W. end of S. wing wall of concrete culvert; standard tablet stamped "P T Sta No 76 S 1926 499" -----	37 11 53.57	90 36 32.99	5,122
Rd. junction -----	37 11 31.0	90 37 03.6	3,367
Clark Creek, center of bridge over -----	37 11 08.2	90 37 46.8	4,187
Piedmont, 3 mi. NE. of, along State Highway 34, in NW 1/4 sec. 19, T. 29 N., R. 4 E., 200 ft. E. of H. S. Smith's house, in E. end of N. wing wall of concrete culvert; standard tablet stamped "P T Sta No 77 S 1926 630" -----	37 10 29.93	90 39 25.70	8,890
Center of S. end of concrete culvert -----	37 10 10.5	90 40 23.2	5,046
McKenzie Creek, center of bridge over -----	37 10 00.4	90 40 59.5	3,118
Piedmont, junction of State Highway 49 -----	37 09 30.5	90 41 31.4	3,971
Piedmont, intersection of Broadway and Fir Streets -----	37 09 16.6	90 41 44.2	1,743
Prim Trav Sta No 58 F 1924 W 1925 502 (previously described) -----	37 09 15.20	90 41 50.36	518

* Reported destroyed by O. G. Johnson July 20, 1938.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
4. FROM GREENVILLE QUADRANGLE AT SEC. 27, T. 28 N., R. 5 E., WEST TO LEEPER (by J. L. Sanders in 1926)			
(Continued from Greenville quadrangle; see line 3.)			
Rd. fork N. -----	37 03 32.6	90 30 40.9	(7,055)
Rd. at culvert -----	37 03 02.6	90 31 09.3	3,810
Junction of rd. W. to dwelling -----	37 02 45.0	90 31 34.6	2,719
Greenville, 7 mi. SW. of, along Holliday Road, at junction of Otter Creek rd., 0.2 mi. S. of old sawmill town of Hubert, 66 ft. N. and 12 ft. E. of rd. forks, 9 ft. N. of fence corner, in concrete post; standard tablet stamped "P T 86 S 1926" -----	37 02 22.39	90 32 09.87	3,666
T. 28 N., R. 5 E., S. cor. secs. 31 and 32, stake Rd. fork S. -----	37 02 48.1	90 32 15.2	2,634
T. 28 N., Rs. 4 and 5 E., probable quarter cor. between secs. 25 and 30 -----	37 03 12.0	90 32 35.4	2,923
Leeper, 8 mi. E. of, on Greenville-Leeper rd., 45 ft. N. and 36 ft. W. of rd. forks, 150 ft. E. of J. A. Marler's house, 4 ft. inside garden fence, in concrete post; standard tablet stamped "P T Sta No 87 S 1926 529" -----	37 04 07.4	90 33 21.3	6,725
T-rd. S. -----	37 04 01.54	90 33 39.54	1,594
Junction of lane S. -----	37 03 54.0	90 33 58.1	1,685
T. 28 N., R. 4 E., cor. secs. 26, 27, 34, and 35, pile of stones -----	37 03 38.1	90 34 58.3	5,143
Leeper, 5.5 mi. E. of, near center sec. 27, T. 28 N., R. 4 E., 350 ft. NW. of T. J. Turnbolt's house, 200 ft. W. of new rd., 30 ft. N. and 3 ft. E. from fence corner N.-W., 6 ft. W. of creek bank, in concrete post; standard tablet stamped "P T Sta No 88 S 1926 575" -----	37 03 42.8	90 35 34.7	2,989
Rd. forks -----	37 04 05.82	90 36 05.27	3,397
Center of front gate to yard of Thompson King ---	37 04 14.3	90 36 15.1	1,171
Rd. forks -----	37 04 18.1	90 37 12.4	4,654
Rd. forks -----	37 04 30.4	90 37 23.8	1,549
Leeper, 3 mi. E. of, on Greenville-Leeper rd., 200 ft. N. and 150 ft. W. of cor. secs. 19, 20, 29, and 30, T. 28 N., R. 4 E., 120 ft. E. of Dan Blackwell's house, 12 ft. W. of rd., 2 ft. S. of fence, in concrete post; standard tablet stamped "P T Sta No 89 S 1926 807" -----	37 04 27.1	90 38 08.9	3,666
Rd. forks -----	37 04 41.67	90 38 52.35	3,821
Rd. at culvert -----	37 04 51.7	90 39 06.7	1,548
Crossroads -----	37 04 47.4	90 39 37.2	2,503
Mill Spring, center of ticket window of Missouri Pacific R.R. sta. -----	37 04 04.6	90 40 37.5	6,531
Prim Trav Sta No 56 F 1924 W 1925" (previously described) -----	37 03 41.2	90 41 01.0	3,047
	37 04 23.24	90 42 16.55	7,457

5. FROM PIEDMONT SOUTH ALONG MISSOURI PACIFIC RAILROAD TO SEC. 10,
T. 28 N., R. 3 E., THENCE WEST INTO RUBLE QUADRANGLE AT SEC. 5,
T. 28 N., R. 3 E. (by W. R. Broadus in 1932)

Prim Trav Sta No 57 F 1924 W 1925 (previously described) -----	37 09 15.20	90 41 50.36	.....
R.R. at switch -----	37 08 51.1	90 42 11.6	2,995
R.R. at semaphores 1278 and 1279 -----	37 08 21.9	90 42 24.2	3,130
R.R. at rd. crossing -----	37 07 37.3	90 42 49.4	4,957
Prim Trav Sta No 57 F 1924 W 1925 (previously described) -----	37 06 53.53	90 43 03.43	4,592
SE. corner of stone wall around yard of dwelling of Roy Bundy -----	37 06 58.4	90 43 48.8	3,830

(Continued in Ruble quadrangle; see line 5.)

6. FROM LEEPER WEST ALONG STATE HIGHWAY 34 INTO RUBLE QUADRANGLE
(by W. R. Broadus in 1932)

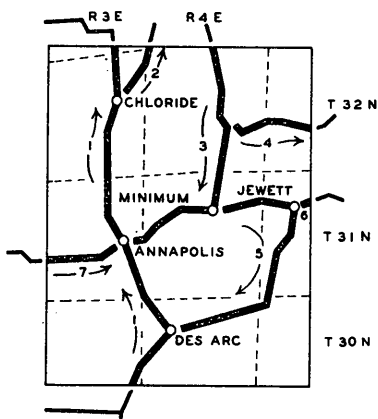
Prim Trav Sta No 56 F 1924 W 1925 (previously described) -----	37 04 23.24	90 42 16.55	.....
Black River, center of Missouri Southern R.R. bridge over -----	37 04 27.5	90 42 38.2	1,805
Highway in front of triangular-blazed pine tree, about 200 ft. W. of rd. corner at foot of hill-Leeper, 2.4 mi. W. of, 35 ft. S. of highway at rd. NW. to Kelo Valley, 520 ft. E. of farmhouse of T. F. Lune, in concrete post; standard tablet stamped "T T 6 B 1932" -----	37 04 42.8	90 43 13.6	3,259
Junction of rd. S. -----	37 04 52.67	90 44 15.67	5,125
	37 04 55.6	90 44 47.3	2,578

(Continued in Ruble quadrangle; see line 6.)

Magnetic declination in 1932, 6° E.

DES ARC QUADRANGLE
(Latitude 37°15'-37°30'; longitude 90°30'-90°45')

Iron, Madison, Reynolds, and Wayne Counties



1. FROM PIEDMONT QUADRANGLE NORTH ALONG MISSOURI PACIFIC RAILROAD INTO
IRONTON QUADRANGLE (by C. R. Fisher in 1924)

(Continued from Piedmont quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
R.R. at semaphore 1186	37 15 12.8	90 40 24.9	(8,680)
Des Arc, 2 mi. S. of, 310 ft. S. of rd. crossing, W. of track, in stone pier of trestle; standard tablet stamped "Prim Trav Sta No 61 F 1924 W 1925" (reported destroyed in 1927) -----	37 16 00.63	90 39 50.86	5,567
R.R. at rd. crossing -----	37 16 03.3	90 39 49.0	310
T. 30 N., Rs. 3 and 4 E., cor. secs. 13, 18, 19, and 24, on Iron-Wayne county line -----	37 16 28.6	90 39 41.4	2,627
R.R. at Iron-Wayne county line -----	37 16 25.9	90 39 24.1	1,425
Des Arc, 1 ft. from SE. corner of bank, in concrete porch; standard tablet stamped "Prim Trav Sta No 62 F 1924 W 1925 543" -----	37 16 57.35	90 38 13.26	6,551
R.R. at rd. crossing -----	37 16 57.3	90 38 11.2	163
R.R. at rd. crossing -----	37 17 16.5	90 37 46.6	2,782
R.R. at rd. crossing -----	37 17 29.4	90 37 47.5	1,304
R.R. at rd. crossing -----	37 17 47.5	90 38 52.4	5,553
Vulcan, 150 ft. N. of Missouri Pacific R.R. sta., E. of R.R., 30 ft. N. of rd. crossing, 12 ft. W. of store, in large rock; standard tablet stamped "Prim Trav Sta No 63 F 1924 B 38 1925 554" -----	37 18 35.18	90 39 43.15	6,332
R.R. at rd. crossing -----	37 19 35.0	90 40 09.7	6,407
R.R. at rd. crossing -----	37 20 15.9	90 40 12.2	4,152
R.R. at switch point to lead mine -----	37 21 30.1	90 41 04.5	8,616
Annapolis, at S. limits of, 220 ft. NE. of Missouri Pacific R.R. water tank, in large boulder; standard tablet stamped "Prim Trav Sta No 64 F 1924 B 38 1925" * -----	37 21 33.21	90 41 37.24	2,670
Annapolis, R.R. at sta. -----	37 21 32.1	90 41 51.9	1,192
R.R. at rd. crossing -----	37 22 12.7	90 42 08.0	4,304
R.R. at culvert -----	37 22 52.3	90 41 44.2	4,446
Sabula, R.R. at sta. -----	37 24 10.5	90 41 48.0	7,915
Sabula, 75 ft. NW. of store and post office, 30 ft. N. and 40 ft. E. from Missouri Pacific R.R. at rd. crossing, in large rock; standard tablet stamped "Prim Trav Sta No 65 F 1924 B 37 1925 690" -----	37 24 17.10	90 41 45.22	703
T. 31 N., R. 3 E., W. cor. secs. 2 and 3 -----	37 24 25.3	90 41 37.4	1,044
R.R. at rd. crossing -----	37 24 54.8	90 41 37.8	2,980
R.R. at rd. crossing -----	37 25 48.9	90 41 36.6	5,479
T. 32 N., R. 3 E., cor. secs. 22, 23, 26, and 27 -----	37 26 10.6	90 41 41.5	2,232
R.R. at rd. crossing -----	37 26 25.7	90 41 49.6	1,658
Chloride, 240 ft. W. of Missouri Pacific R.R., 600 ft. S. of dwelling, 60 ft. W. of rd., in ledge; standard tablet stamped "Prim Trav Sta No 66 F 1924 B 36 1925 777" -----	37 27 30.30	90 41 11.23	7,231

* Reported destroyed by O. G. Johnson July 20, 1938.

Station	Latitude	Longitude	Distance
R.R. at rd. crossing -----	37 28 10.5	90 41 22.3	Feet 4,164
Glover, R.R. at rd. crossing, 100 ft. N. of sta.-	37 29 00.6	90 41 21.6	5,060
Glover, 0.6 mi. N. of, 150 ft. W. of Missouri			
Pacific R.R., 40 ft. W. of rd., 3 ft. W. of			
fence, in ledge; standard tablet stamped			
"Prim Trav Sta No 67 F 1924 B 35 1925 847" ---	37 29 28.05	90 41 27.29	2,818
R.R. at rd. crossing -----	37 29 57.1	90 41 35.8	3,020

(Continued in Ironton quadrangle; see line 3.)

2. FROM CHLORIDE NORTHEAST INTO Ironton QUADRANGLE AT SEC. 36, T. 33 N.,
R. 3 E. (by C. R. Fisher in 1924)

Prim Trav Sta No 66 F 1924 B 36 1925 777			
(previously described) -----	37 27 30.30	90 41 11.23	.....
Rd. forks -----	37 28 08.6	90 40 38.1	4,710
Rd. forks -----	37 28 13.7	90 40 31.0	769
Rd. forks near creek -----	37 28 45.5	90 40 03.9	3,891
T-rd. E. -----	37 29 40.2	90 39 42.0	5,810
Chloride, 3 mi. NE. of, 40 ft. W. of dim rd.			
forks, 40 ft. E. of house, in granite boulder;			
standard tablet stamped "Prim Trav Sta No 71			
F 1924 962" -----	37 29 57.70	90 39 49.84	1,879

(Continued in Ironton quadrangle; see line 4.)

3. FROM Ironton QUADRANGLE AT SEC. 34, T. 33 N., R. 4 E., SOUTH TO
MINIMUM, THENCE WEST TO ANNAPOLIS (by C. R. Fisher in 1924)
(Continued from Ironton quadrangle; see line 4.)

Rd. in front of store -----	37 29 51.9	90 35 46.2	(4,470)
Blazed oak tree E. of rd. -----	37 28 52.0	90 35 24.9	6,302
T-rd. W. -----	37 28 42.3	90 35 30.0	1,058
Arcadia, 8.5 mi. SE. of, 80 ft. E. of rd., 238			
ft. E. of house, in ledge; standard tablet			
stamped "Prim Trav Sta No 74 F 1924 753" -----	37 28 07.38	90 35 16.08	3,711
Rd. in front of mail box of R. C. Blanton -----	37 27 23.9	90 35 08.9	4,437
Rd. forks -----	37 27 09.6	90 34 59.3	1,637
Minimum, 5.5 mi. N. of, 470 ft. W. of rd. forks,			
90 ft. S. of rd., 300 ft. W. of W. H. King's			
mail box, in limestone boulder; standard tablet			
stamped "Prim Trav Sta No 75 F 1924 741" -----	37 26 53.13	90 34 51.54	1,786
Rd. forks -----	37 26 51.7	90 34 46.0	467
Blazed oak tree W. of rd., at top of hill -----	37 26 01.1	90 35 12.2	5,541
Rd. forks -----	37 25 11.3	90 35 19.2	5,064
Minimum, 3 mi. N. of, near top of ridge, 40 ft.			
S. and 15 ft. E. from dim T-rd. E., 40 ft. E.			
of rd., in granite boulder; standard tablet			
stamped "Prim Trav Sta No 76 F 1924 B 45			
1925 853" -----	37 24 50.18	90 35 16.61	2,150
Rd. forks -----	37 24 20.0	90 35 28.0	3,188
Rd. at gate to dwelling -----	37 23 35.1	90 35 31.3	4,550
Rd. forks -----	37 22 36.8	90 35 12.8	6,090
Minimum, 60 ft. S. of post office, 40 ft. SW. of			
T-rd. W., in ledge; standard tablet stamped			
"Prim Trav Sta No 79 F 1924 B 44 1925 615" ---	37 22 32.41	90 35 14.30	458
Minimum, 1 mi. W. of post office, in SW. corner			
of concrete porch of Collins School; standard			
tablet stamped "Prim Trav Sta No 80 F 1924" ---	37 22 49.10	90 36 11.75	4,933
Rd. forks -----	37 22 51.4	90 36 32.2	1,668
Rd. forks -----	37 22 29.1	90 37 56.9	7,194
Annapolis, 3 mi. E. of, on top of ridge, 20 ft.			
S. of rd., in ledge; standard tablet stamped			
"Prim Trav Sta No 81 F 1924" -----	37 22 19.87	90 38 40.20	3,617
Center of wooden bridge -----	37 22 01.0	90 39 29.1	4,383
Center of concrete bridge, 400 ft. E. of rd.			
forks -----	37 21 18.5	90 40 26.7	6,332
Prim Trav Sta No 64 F 1924 B 38 1925 (previously			
described) -----	37 21 33.21	90 41 37.24	5,875

4. FROM SEC. 23, T. 32 N., R. 4 E., EAST TO SEC. 21, T. 32 N., R. 5 E.
(by C. R. Fisher in 1924)

Rd. forks (previously described) -----	37 26 51.7	90 34 46.0	.....
T-rd. S. -----	37 26 33.8	90 34 03.3	3,896
Rd. forks -----	37 26 30.2	90 33 14.6	3,940
Rd. forks -----	37 26 54.2	90 32 42.2	3,567
T. 32 N., R. 4 E., E. cor. secs. 13 and 24, on			
Iron-Madison county line -----	37 27 04.5	90 32 50.6	1,241
T. 32 N., R. 5 E., in NW 1/4 sec. 19, 75 ft. W.			
of blacksmith shop near mill dam, 80 ft. W. of			
T-rd. N., 8 ft. S. of S. head wall of culvert,			
in ledge; standard tablet stamped "Prim Trav			
Sta No 77 F 1924 673" -----	37 26 59.40	90 32 29.19	1,803

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Rd. forks, 10 ft. S. of mail box -----	37 26 33.5	90 31 55.8	3,759
Rd. on probable line between secs. 19 and 20, T. 32 N., R. 5 E. -----	37 26 40.8	90 31 46.0	1,086
Rd. forks -----	37 26 24.8	90 31 00.7	3,991
French Mills, 1 mi. SW. of post office, 300 ft. N. of Ed Barry's house, 150 ft. E. of old mill, 122 ft. N. of sharp bend in rd., in ledge; standard tablet stamped "P T Sta No 78 F 1924 597" -----	37 26 28.36	90 30 14.71	3,728

5. FROM MINIMUM EAST TO JEWETT, THENCE SOUTH TO BRUNOT, THENCE WEST TO
DES ARC (by C. R. Fisher in 1924)

Rd. forks (previously described) -----	37 22 36.8	90 35 12.8	.....
T. 31 N., R. 4 E., cor. secs. 10, 11, 14, and 15- Rd. forks -----	37 22 34.7	90 35 06.0	587
Rd. forks -----	37 22 50.4	90 34 24.1	3,735
Rd. forks -----	37 22 59.4	90 33 44.8	3,298
Blazed red-oak tree S. of rd., on top of ridge -- Rd. forks -----	37 23 09.8	90 33 18.3	2,379
Jewett, 1.6 mi. W. of post office, 900 ft. SW. of new rd., 320 ft. SW. of dwelling of Clyde Plakes, 22 ft. S. of bend in fence, in ledge; standard tablet stamped "Prim Trav Sta No 82 F 1924 B 43 1925 638" -----	37 23 24.41	90 31 59.00	2,205
T-rd. S. -----	37 23 20.9	90 31 43.6	1,290
Jewett, 200 ft. N. of post office, at T-rd. S., 10 ft. S. of fence, in ledge; standard tablet stamped "Prim Trav Sta No 83 F 1924 B 42 1925"- Rd. at gate to yard of dwelling -----	37 22 58.99	90 30 57.88	4,305
Blazed oak tree at rd. forks -----	37 21 52.3	90 31 11.4	2,795
Rd. forks -----	37 21 02.7	90 31 38.1	4,696
Brunot, 3 mi. N. of, on W. side of Brunot-Jewett rd., 100 ft. W. of old sawmill, 150 ft. N. of Alcorn's house, in boulder; standard tablet stamped "Prim Trav Sta No 84 F 1924 B 41 1925"- T-rd. E. -----	37 20 55.74	90 32 09.19	823
T. 31 N., R. 5 E., center of SE 1/4 sec. 30 ---- T-rd. E. -----	37 20 33.2	90 32 11.9	2,287
T-rd. N. -----	37 20 07.0	90 32 03.0	2,748
Brunot, at NW. corner of crossroads, 10 ft. E. and 3 ft. N. of corner of fence around Russell's house, in ledge; standard tablet stamped "Prim Trav Sta No 85 F 1924 B 40 1925 515" -----	37 19 29.4	90 32 27.4	4,279
Center of bridge -----	37 18 44.4	90 32 32.2	4,563
Center of bridge -----	37 18 38.14	90 32 54.25	1,892
Des Arc, 3 mi. E. of, in SE. corner of concrete porch of Presbyterian Church; standard tablet stamped "Prim Trav Sta No 86 F 1924 B 39 1925 589" -----	37 17 58.5	90 34 18.9	7,928
T-rd. W. -----	37 18 03.1	90 35 22.1	5,127
T-rd. S. -----	37 18 00.69	90 35 28.20	561
T. 30 N., R. 4 E., quarter cor. between secs. 9 and 10 -----	37 17 46.1	90 35 28.3	1,475
T-rd. S. -----	37 17 39.9	90 36 05.4	3,061
T-rd. N. -----	37 17 38.6	90 36 20.7	1,243
Prim Trav Sta No 62 F 1924 W 1925 (previously described) -----	37 17 38.1	90 36 57.8	3,001
	37 17 34.0	90 37 42.8	3,654
	37 16 57.35	90 38 13.26	4,462

6. FROM COLDWATER QUADRANGLE AT SEC. 9, T. 31 N., R. 5 E., WEST TO JEWETT
(by J. L. Sanders in 1926)
(Continued from Coldwater quadrangle; see line 1.)

Jewett School, SW. corner of -----	37 22 49.3	90 30 04.6	(2,160)
T. 31 N., R. 5 E., quarter cor. between secs. 8 and 9 -----	37 22 58.5	90 30 37.6	2,818
Prim Trav Sta No 83 F 1924 B 42 1925 (previously described) -----	37 22 58.99	90 30 57.88	1,638

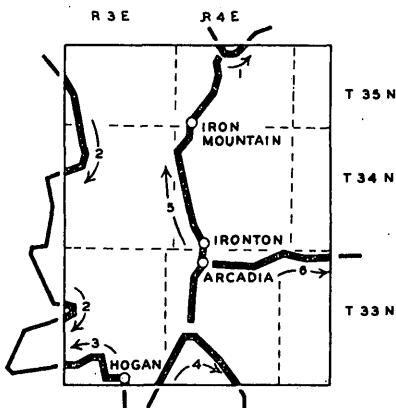
7. FROM REDFORD QUADRANGLE AT SEC. 20, T. 31 N., R. 3 E., EAST TO
ANNAPOLIS (by C. W. Williams in 1935)
(Continued from Redford quadrangle; see line 7.)

Annapolis, 2.6 mi. SW. of, 420 ft. W. of pile of rocks at cor. secs. 20, 21, 28, and 29, T. 31 N., R. 3 E., 18 ft. S. and 30 ft. E. of T-rd. N., 37 ft. S. of County Route K, 3 ft. W. of rail fence, in concrete post; standard tablet stamped "P T 1606 E R A 1935 682" -----	37 20 40.07	90 44 00.25	(5,484)
Rd. at fences N. and S. -----	37 20 49.8	90 43 23.4	3,133
Rd. forks -----	37 20 55.2	90 42 52.3	2,570
Big Creek, S. end of bridge over -----	37 21 30.0	90 42 20.1	4,378
U.S.C. & G.S. standard disk stamped "E 139 1935"- Prim Trav Sta No 64 F 1924 B 38 1925 (previously described) -----	37 21 32.41	90 41 51.06	2,359
	37 21 33.21	90 41 37.24	1,119

Magnetic declination in 1926, 6° E.

TRANSIT TRAVERSE IN MISSOURI

IRONTON QUADRANGLE*
 (Latitude 37°30'-37°45'; longitude 90°30'-90°45')
 Iron, Madison, St. Francois, and Washington Counties



1. FROM BONNE TERRE QUADRANGLE SOUTHEAST, THENCE NORTHEAST ALONG MISSOURI PACIFIC RAILROAD INTO BONNE TERRE QUADRANGLE (by J. R. Ellis in 1903)
 (Continued from Bonne Terre quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
R.R. at private rd. crossing NW.-SE. -----	37 44 34.1	90 35 27.1	Feet (8,591)

(Continued in Bonne Terre quadrangle; see line 1.)

2. FROM EDGEHILL QUADRANGLE AT SEC. 19, T. 35 N., R. 3 E., SOUTH AND WEST INTO EDGEHILL QUADRANGLE AT SEC. 7, T. 33 N., R. 3 E. (by J. R. Ellis in 1907)
 (Continued from Edgehill quadrangle; see line 1.)

Telephone pole PB-3342 at rd. NE., S. of schoolhouse -----	37 42 51.0	90 44 43.5	(6,252)
Post-oak tree at T-rd. N. -----	37 42 08.9	90 44 43.6	4,259
Rd. at wire fence E. -----	37 41 34.0	90 44 28.9	3,724
Bellevue, at crossroads, SW. corner of store of W. R. Read -----	37 41 16.4	90 44 24.6	1,814
T-rd. E., 1 mi. S. of Bellevue -----	37 40 31.1	90 43 57.8	5,055
T. 34 N., R. 3 E., cor. secs. 7, 8, 17, and 18 --	37 39 38.3	90 44 45.2	6,569

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

Rd. at blazed tree, on E. line sec. 7, T. 33 N., R. 3 E. -----	37 33 21.3	90 44 49.9	9,918
Center of Devils Toll Gate -----	37 33 17.3	90 44 59.5	884

(Continued in Edgehill quadrangle; see line 1.)

3. FROM DES ARC QUADRANGLE NORTH ALONG MISSOURI PACIFIC RAILROAD TO HOGAN, THENCE WEST ALONG ROADS INTO EDGEHILL QUADRANGLE AT SEC. 19, T. 33 N., R. 3 E. (by C. R. Fisher in 1924)
 (Continued from Des Arc quadrangle; see line 1.)

Hogan, 550 ft. SW. of Missouri Pacific R.R. sta., 500 ft. W. of R.R., 20 ft. S. of E.-W. rd., 5 ft. N. of fence, 170 ft. E. of State Highway 21, in ledge; standard tablet stamped "Prim Trav Sta No 68 F 1924 B 34 1925 905" ---	37 30 39.71	90 41 42.93	(4,350)
Rd. fork NE. to dwelling -----	37 30 42.0	90 43 02.7	6,433
Hogan, 2 mi. W. of, 40 ft. N. of rd. forks, 300 ft. NW. of farmhouse, 20 ft. E. of rd., in granite boulder; standard tablet stamped "Prim Trav Sta No 69 F 1924 B 35 1925 1267" ---	37 30 54.59	90 43 18.35	1,789
T. 33 N., R. 3 E., quarter cor. between secs. 20 and 21 -----	37 31 45.0	90 43 48.8	5,663
Rd. fork NW. to dwelling -----	37 31 43.5	90 44 08.1	1,560
Blazed oak tree N. of rd., at top of hill -----	37 31 37.4	90 44 20.1	1,140
Center of wooden bridge -----	37 31 25.6	90 44 40.6	2,042

(Continued in Edgehill quadrangle; see line 4.)

*Middlebrook quadrangle as published in Bulletin 898-A has been renamed Ironton quadrangle.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
4. FROM DES ARC QUADRANGLE AT SEC. 36, T. 33 N., R. 3 E., NORTHEAST TO SEC. 20, T. 33 N., R. 4 E., THENCE SOUTHEAST INTO DES ARC QUADRANGLE AT SEC. 34, T. 33 N., R. 4 E. (by C. R. Fisher in 1924) (Continued from Des Arc quadrangle; see line 2.)			
Rd. at old sawmill, 10 ft. N. of engine -----	37 30 44.5	90 39 31.8	(4,950)
Rd. forks -----	37 30 56.0	90 39 21.8	1,421
Rd. forks at corner of rail fence -----	37 31 34.4	90 39 19.6	3,880
Rd. forks -----	37 31 50.4	90 38 55.5	2,534
T-rd. W. -----	37 32 11.9	90 38 40.4	2,494
Arcadia, 3 mi. SE. of, 200 ft. E. of rd. forks, 4 ft. W. of NE. corner of schoolhouse, in stone foundation; standard tablet stamped "Prim Trav Sta No 72 F 1924 1009" -----	37 32 23.25	90 38 13.32	2,460
Rd. forks near store -----	37 31 31.0	90 37 47.8	5,670
Marble Creek, W. bank of ford across -----	37 30 49.7	90 36 39.9	6,887
T. 33 N., R. 4 E., cor. secs. 27, 28, 33, and 34-Arcadia, 6 mi. S. of, in NW. corner of concrete porch of schoolhouse; standard tablet stamped "Prim Trav Sta No 73 F 1924 851" -----	37 30 42.4	90 36 04.2	2,961
	37 30 32.38	90 36 08.39	1,072
(Continued in Des Arc quadrangle; see line 3.)			

5. FROM SEC. 20, T. 33 N., R. 4 E., NORTH INTO BONNE TERRE QUADRANGLE AT SEC. 9, T. 35 N., R. 4 E. (by J. L. Sanders in 1926)			
Prim Trav Sta No 72 F 1924 1009 (previously described) -----	37 32 23.25	90 38 13.32	.....
T-rd. E. -----	37 32 51.8	90 38 14.7	2,888
T-rd. E. -----	37 33 19.6	90 38 14.7	2,820
T. 33 N., R. 4 E., cor. secs. 5, 6, 7, and 8, rd. at fence W. -----	37 34 11.7	90 38 13.6	5,267
Arcadia, 1 mi. S. of, 0.2 mi. N. of cor. secs. 5, 6, 7, and 8, T. 33 N., R. 4 E., 100 ft. N. of State Highway 21 at junction of rd., in W. wing wall of concrete culvert; standard tablet stamped "P T No 1 S 1926" -----	37 34 25.61	90 38 14.30	1,407
Arcadia, crossroads at -----	37 35 16.7	90 37 43.0	5,752
Ironton, 0.2 mi. S. of, 250 ft. S. of bridge over Stouts Creek, 7 ft. N. and 25 ft. E. from T-rd. E., in N. end of concrete culvert; standard tablet stamped "P T Sta No 2 S 1926" (reported destroyed Feb. 5, 1927) -----	37 35 30.56	90 37 39.38	1,431
Stouts Creek, center of bridge over -----	37 35 33.1	90 37 39.5	254
Ironton, intersection of Main and Mill Streets --	37 35 50.2	90 37 38.1	1,732
Ironton, intersection of Wayne and Knob Streets --	37 35 53.5	90 37 34.6	444
Rd. forks -----	37 36 31.0	90 37 43.0	3,846
Center of concrete bridge -----	37 37 02.2	90 38 25.6	4,660
Pilot Knob, 150 ft. N. and 180 ft. E. from post office, 15 ft. W. of Missouri Pacific R.R., in W. end of concrete culvert; standard tablet stamped "P T No 3 S 1926" -----	37 37 28.54	90 38 12.26	2,867
Missouri Pacific R.R. at rd. crossing -----	37 37 33.9	90 38 13.5	546
Entrance to cemetery -----	37 38 28.0	90 38 34.6	5,732
Rd. at Iron-St. Francois county line -----	37 38 33.4	90 38 40.0	695
Missouri Pacific R.R. at rd. crossing -----	37 39 23.8	90 38 36.8	5,104
Middlebrook, in N. end of concrete porch of post office; standard tablet stamped "P T No 4 S 1926" -----	37 39 41.92	90 38 49.62	2,101
Missouri Pacific R.R. at rd. crossing -----	37 39 43.1	90 38 49.2	126
Rd. at Iron-St. Francois county line -----	37 40 09.1	90 38 47.6	2,632
Rd. forks -----	37 40 35.8	90 38 36.6	2,840
Center of concrete bridge -----	37 40 56.3	90 38 19.8	2,473
Iron Mountain, SW. corner of post office -----	37 41 39.7	90 38 24.8	4,409
Rd. at concrete culvert -----	37 42 18.6	90 37 27.0	6,085
Iron Mountain, 1.5 mi. N. of, near center sec. 29, T. 35 N., R. 4 E., at junction of Bismarck and Farmington rds., 30 ft. N. of rd. forks, on narrow bank between rds., in concrete post; standard tablet stamped "P T No 5 S 1926" -----	37 42 29.76	90 37 07.58	1,927
Rd. at culvert -----	37 42 57.7	90 36 53.3	3,049
Rd. at culvert -----	37 43 32.0	90 36 50.8	3,476
Crossroads -----	37 44 05.2	90 36 57.2	3,400
St. Francis River, center of bridge over -----	37 44 42.6	90 36 40.7	4,003
T. 35 N., R. 4 E., cor. secs. 8, 9, 16, and 17, cross fences -----	37 44 58.6	90 36 23.5	2,125
Missouri Pacific R.R. at rd. crossing, 1 mi. SE. of Bismarck (In Bonne Terre quadrangle; see line 3.) -----	37 45 36.5	90 36 39.8	4,047

6. FROM Ironton EAST INTO FREDERICKTOWN QUADRANGLE AT SEC. 4, T. 33 N., R. 5 E. (by J. L. Sanders in 1926)			
P T Sta No 2 S 1926 (previously described) -----	37 35 30.56	90 37 39.38	.....
Missouri Pacific R.R. at rd. crossing -----	37 35 30.6	90 37 26.2	1,060

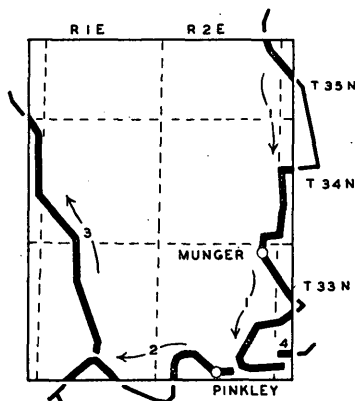
Station	Latitude			Longitude			Distance
	°	'	"	°	'	"	
Arcadia, Missouri Pacific R.R. at rd. crossing	37	35	13.2	90	37	28.8	1,703
100 ft. N. of sta. -----	37	35	17.7	90	36	51.4	3,031
Crossroads -----	37	35	07.8	90	36	04.0	3,948
Crossroads, 1 mi. N. of S. cor. secs. 3 and 4,	37	35	11.2	90	34	39.9	6,778
T. 33 N., R. 4 E. -----	37	35	39.3	90	34	02.4	4,141
Rd. forks at entrance to Lake Killarney -----	37	35	53.2	90	33	49.0	1,779
Junction of private rd. -----	37	35	55.2	90	33	14.5	2,782
T. 33 N., R. 4 E., N. cor. secs. 1 and 2, large							
pile of stones -----							
T-rd. N., 145 ft. N. of S. cor. secs. 35 and 36,							
T. 34 N., R. 4 E. -----							
T. 34 N., R. 4 E., 0.2 mi. E. of S. cor. secs.							
35 and 36, 1 mi. E. of Lake Killarney, 10 ft.							
N. and 10 ft. W. from rd. forks, in sandstone							
ledge; standard tablet stamped "P T No 6 S							
1926* -----	37	35	55.24	90	32	59.02	1,248
T-rd. N. on Iron-Madison county line, 272 ft. N.							
of iron stake at S. cor. secs. 31 and 36,							
T. 34 N., Rs. 4 and 5 E. -----	37	35	57.0	90	32	05.2	4,335
Roselle, rd. at post office -----	37	35	56.9	90	31	36.8	2,290
T. 34 N., R. 5 E., S. cor. secs. 31 and 32,							
T-fence N. -----	37	35	55.2	90	30	59.1	3,038
Rd. fork N. -----	37	35	54.8	90	30	24.3	2,800
Ironton, 6 mi. E. of, along State Highway 70, in							
NW. cor. sec. 4, T. 33 N., R. 5 E., 0.2 mi. W.							
of bridge over St. Francis River, 120 ft. SE.							
of residence of F. J. January, 42 ft. N. of							
highway, 5 ft. S. of wire fence, in concrete							
post; standard tablet stamped "P T No 7 S							
1926 794" -----	37	35	52.18	90	30	06.29	1,471

(Continued in Fredericktown quadrangle; see line 2.)

Magnetic declination 6° 17' E.

EDGEHILL QUADRANGLE
(Latitude 37°30'-37°45'; longitude 90°45'-91°00')

Iron, Reynolds, and Washington Counties



1. FROM POTOSI QUADRANGLE AT SEC. 13, T. 35 N., R. 2 E., SOUTH TO SEC. 30, T. 33 N., R. 3 E. (by J. R. Ellis in 1907)

Station	Latitude	Longitude	Distance
	o i n	o i n	Feet
T-rd. W. (In Potosi quadrangle; see line 1.) ----	37 46 02.8	90 46 21.6	.....
T-rd. E., 1 mi. S. of Caledonia ----	37 44 52.7	90 46 14.4	7,004
Large elm tree at corner of land grant ----	37 43 49.2	90 45 09.7	8,265

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

Crossroads on top of divide, 10 ft. E. of small, blazed tree ----	37 39 13.3	90 46 09.2	(7,217)
Rd., 30 ft. SW. of rd. forks on East Fork of Black River ----	37 37 54.3	90 46 37.7	8,313
Munger, 1.2 mi. NE. of post office, near center sec. 36, T. 34 N., R. 2 E., 900 ft. SW. of Sawyer School, 50 ft. NW. of rd., 105 ft. N. of 15-in. sycamore tree, in limestone post; aluminum tablet stamped "Prim Trav Sta No 10 1907 Mo 1021" ----	37 36 39.94	90 46 29.67	7,553
T. 34 N., R. 2 E., S. cor. secs. 35 and 36, on Iron-Reynolds county line ----	37 36 06.1	90 47 04.2	4,390
Rd. forks ----	37 34 44.5	90 45 55.2	9,956

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

Rd. at Iron-Reynolds county line ----	37 32 55.0	90 46 09.9	(6,103)
Rd. forks on S. side of Tom Sauk Creek ----	37 32 43.4	90 46 34.6	2,311
Rd. N. at NE. corner of long field ----	37 32 32.6	90 47 50.9	6,241
T. 33 N., R. 2 E., cor. secs. 14, 15, 22, and 23, pile of stones ----	37 31 55.6	90 48 23.2	4,532
Large elm tree at rd. forks, 1 mi. SE. of Pinkley ----	37 30 29.8	90 48 39.6	8,831
Hogan-Pinkley rd. at Iron-Reynolds county line --	37 30 48.1	90 46 12.5	11,992
Lesterville, 7 mi. NE. of, along Hogan-Pinkley rd., on hillside, 150 ft. W. of Iron-Reynolds county line, 280 ft. S. of rd., 10 ft. S. of blazed red-oak tree, in limestone ledge; aluminum tablet stamped "Prim Trav Sta No 11 1907 Mo" (tablet reported destroyed) ----	37 30 45.72	90 46 14.06	271

2. FROM SEC. 27, T. 33 N., R. 2 E., WEST INTO REDFORD QUADRANGLE AT SEC. 5, T. 32 N., R. 1 E. (by J. R. Ellis in 1907)

Large elm tree at rd. forks (previously described) ----	37 30 29.8	90 48 39.6	.....
T. 33 N., R. 2 E., cor. secs. 27, 28, 33, and 34 ----	37 30 10.7	90 49 30.9	4,566
Corner of board fence, 40 ft. W. of rd. forks --	37 30 02.4	90 49 47.7	1,605
Rd. forks, 300 ft. above mouth of Walker Branch -	37 30 50.3	90 50 36.5	6,234
Rd. forks at SE. corner of field ----	37 31 08.4	90 51 38.2	5,337
T. 33 N., R. 2 E., approximate cor. secs. 17, 18, 19, and 20 ----	37 31 04.5	90 51 40.2	425

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

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T-rd. E., 30 ft. NW. of large sycamore tree -----	37 30 20.2	90 55 30.7	11,542
Rd. forks, W. of Black River -----	37 31 21.0	90 56 03.1	6,694
Forked tree at dim rd. SW. -----	37 30 24.3	90 57 48.0	10,220

(Continued in Redford quadrangle; see line 1.)

3. FROM SEC. 28, T. 33 N., R. 1 E., NORTHWEST INTO BOSS QUADRANGLE AT
SEC. 1, T. 34 N., R. 1 W. (by J. R. Ellis in 1907)

Rd. forks, W. of Black River (previously described) -----	37 31 21.0	90 56 03.1	.....
T. 33 N., R. 1 E., cor. secs. 21, 22, 27, and 28- -----	37 31 47.1	90 56 06.3	2,663
Rd. forks at forks of creek -----	37 32 53.3	90 56 44.6	7,372
Stump of tree at T-rd. E., near farm of J. B. Dennison -----	37 34 06.4	90 57 42.0	8,772
T. 33 N., R. 1 E., N. quarter cor. sec. 5, on Iron-Reynolds county line -----	37 36 12.6	90 57 34.6	12,794
Guideboard at rd. forks -----	37 36 20.1	90 57 26.5	998
Rd. forks 2 mi. SE. of Goodland -----	37 37 24.9	90 58 13.3	7,571
T. 34 N., R. 1 W., E. cor. secs. 24 and 25, 6 ft. NW. of white-oak tree -----	37 38 03.6	90 59 08.9	5,925
Goodland, at S. end of T-lane N., in top of limestone post; aluminum tablet stamped "Prim Trav Sta No 14 1907 Mo 948" -----	37 38 00.77	90 59 51.37	3,439
Junction of lane SW. -----	37 39 52.8	90 59 44.6	11,343
Maple tree at rd. forks -----	37 40 47.6	90 59 38.2	5,568

(Continued in Boss quadrangle; see line 1.)

4. FROM IRONTON QUADRANGLE AT SEC. 19, T. 33 N., R. 3 E., WEST ABOUT ONE
MILE (by C. R. Fisher in 1924)

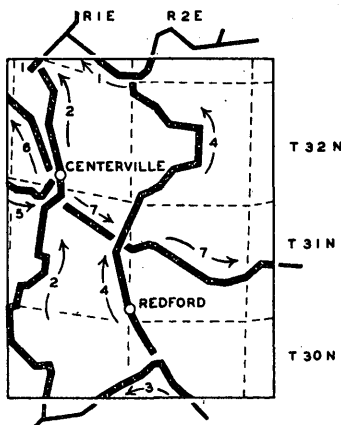
(Continued from Ironton quadrangle; see line 3.)

Blazed elm tree, 15 ft. W. of rd. -----	37 30 58.8	90 45 10.4	(3,608)
Lesterville, 7 mi. NE. of, near dim rd. forks, 40 ft. E. of Iron-Reynolds county line, 600 ft. W. of farmhouse, 15 ft. N. of fence corner, in large granite boulder; standard tablet stamped "Prim Trav Sta No 70 F 1924 B 32 1925 894" -----	37 30 48.60	90 46 11.71	5,045
Prim Trav Sta No 11 1907 Mo (previously described) -----	37 30 45.72	90 46 14.06	347

Magnetic declination in 1924, 6° E.

REDFORD QUADRANGLE
(Latitude 37°15'-37°30'; longitude 90°45'-91°00')

Iron and Reynolds Counties



1. FROM EDGEHILL QUADRANGLE AT SEC. 31, T. 33 N., R. 2 E., WEST TO SEC. 6, T. 32 N., R. 1 E. (by J. R. Ellis in 1907)
(Continued from Edgehill quadrangle; see line 2.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Tps. 32 and 33 N., Rs. 1 and 2 E., cor. of, 35 ft. E. of W. end of lane -----	37 29 19.9	90 52 57.5	12,280
Tps. 32 and 33 N., Rs. 1 and 2 E., 800 ft. SW. of cor. of, 80 ft. NE. of T-rd., in sandstone post; aluminum tablet stamped "Prim Trav Sta No 12 1907 Mo 762 H" -----	37 29 16.79	90 53 07.32	854
Tree at T-rd. SW., near dwelling of W. M. Rayfield -----	37 28 59.3	90 53 50.3	3,913
(For balance in Edgehill quadrangle, see line 2.)			
Centerville, 4.4 mi. N. and 1.2 mi. W. of, in sec. 6, T. 32 N., R. 1 E., on high ridge between Brushy Creek and West Fork of Black River, 350 ft. NE. of dim rd. and trail crossing, 6 ft. SW. of black-oak tree, in flint boulder; aluminum tablet stamped "Prim Trav Sta No 13 1907 Mo" -----	37 29 52.32	90 58 46.06	(5,692)

2. FROM RUELE QUADRANGLE AT SEC. 29, T. 30 N., R. 1 E., NORTH TO SEC. 6, T. 32 N., R. 1 E. (by E. L. McNair in 1913)
(Continued from Ruble quadrangle; see line 1.)

Blazed white-oak tree -----	37 15 50.9	90 58 19.4	10,363
Blazed oak tree in center of rd. at junction of lane W., 305 ft. E. of fence S. -----	37 16 05.8	90 58 10.8	1,658
Blazed oak tree near gate, 20 ft. S. of rd. -----	37 16 54.5	90 57 45.1	5,347
T. 30 N., R. 1 E., approximate cor. secs. 17, 18, 19, and 20 -----	37 16 48.7	90 58 34.3	4,019
T. 30 N., R. 1 E., W. cor. secs. 7 and 18, T-fence E. -----	37 17 43.1	90 59 41.1	7,701
Rd. at fences E. and W., on line between secs. 1 and 12, T. 30 N., R. 1 W. -----	37 18 36.1	90 59 58.9	5,543
Blazed oak tree, E. of rd., near church -----	37 19 09.4	90 59 51.0	3,433
E.-W. fence, 700 ft. E. of rd., on E. bank of creek -----	37 19 22.2	90 59 37.9	1,666
Falkenberg garden, near cor. Tps. 30 and 31 N., Rs. 1 E. and 1 W. -----	37 19 49.0	90 59 39.7	2,711
Blazed 15-in. oak tree, 15 ft. E. of rd. -----	37 20 39.8	90 58 39.8	7,063
Blazed 12-in. oak tree, 35 ft. E. of corner of school, near center sec. 29, T. 31 N., R. 1 E. -----	37 21 07.2	90 58 11.0	3,616
T. 31 N., R. 1 E., approximate cor. secs. 19, 20, 29, and 30 -----	37 21 25.7	90 58 33.0	2,574
Blazed oak tree, near rd. forks -----	37 21 44.2	90 58 31.1	1,847
T. 31 N., R. 1 E., in sec. 17, 70 ft. S. of dwelling of Ed Fear, in rail fence line; iron post stamped "Prim Trav Sta No 57 1913 Mo" -----	37 22 50.6	90 58 16.2	6,825
Blazed 8-in. oak tree, 20 ft. W. of rd., near top of hill -----	37 23 56.8	90 57 52.8	6,950

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Blazed oak tree, 5 ft. W. of rd. -----	37 24 44.3	90 57 46.3	4,835
T. 32 N., R. 1 E., cor. secs. 28, 29, 32, and 33, 660 ft. E. of rd. -----	37 25 46.9	90 57 21.1	6,647
Centerville, at school, center of cupola -----	37 26 00.7	90 57 28.6	1,536
Centerville Baptist Church, spire -----	37 26 01.5	90 57 27.8	100
Centerville Methodist Church, spire -----	37 26 02.5	90 57 28.8	141
Blazed 2 1/2-in. white-oak tree, 40 ft. N. of rd. --	37 27 13.4	90 58 04.9	7,753
Rd. forks -----	37 27 15.9	90 58 07.1	313
Blazed maple tree at rd. forks -----	37 28 17.7	90 57 35.1	6,769
Junction of dim rd. NW, near old sawmill -----	37 28 34.3	90 57 34.5	1,687
Prim Trav Sta No 13 1907 Mo (previously described) -----	37 29 52.30	90 58 46.10	9,784

3. FROM RUBLE QUADRANGLE AT SEC. 27, T. 30 N., R. 2 E., WEST INTO RUBLE
QUADRANGLE AT SEC. 27, T. 30 N., R. 1 E. (by C. R. Fisher in 1924)
(Continued from Ruble quadrangle; see line 4.)

Redford, 6.2 mi. SE. of, 21 ft. NE. of rd. forks, on hillside N. of rd., 4 ft. NW. of blazed oak tree, in limestone ledge; standard tablet stamped "Prim Trav Sta No 88 F 1924 W 1925 57 1/4" -----	37 15 03.30	90 49 28.90	10,360)
Junction of rd. to dwelling -----	37 15 35.3	90 49 36.6	3,295
Sinking Creek, center of bridge over -----	37 15 54.1	90 49 53.7	2,354
T-rd. E. at school -----	37 16 06.4	90 51 04.0	5,812
Rd. forks -----	37 16 18.7	90 51 18.8	1,732
Rd. forks -----	37 16 43.2	90 51 32.7	2,715
Redford, 3 mi. SE. of, 30 ft. N. of rd. at mouth of Carpenter Hollow, 70 ft. W. of Sinking Creek, in ledge; standard tablet stamped "Prim Trav Sta No 89 F 1924 W 1925" (reported destroyed) -----	37 17 01.97	90 51 44.46	2,126
Blazed hickory tree -----	37 16 29.9	90 52 30.7	4,952
Blazed oak tree, 30 ft. S. of rd., at top of hill -----	37 16 09.5	90 53 31.9	5,359
Blazed oak tree W. of rd. -----	37 15 57.5	90 54 39.8	5,616
Ellington, 2.5 mi. NE. of, 10 ft. N. of rd., 60 ft. S. of fence, 125 ft. W. of small triangle formed by rd. forks SE. and NE., in limestone rock; standard tablet stamped "Prim Trav Sta No 90 F 1924 628" -----	37 15 12.08	90 55 32.47	6,267
Rd. forks -----	37 15 20.4	90 55 50.7	1,700

(Continued in Ruble quadrangle; see line 4.)

4. FROM SEC. 17, T. 30 N., R. 2 E., NORTH TO SEC. 1, T. 32 N., R. 1 E.
(by C. R. Fisher in 1924)

Prim Trav Sta No 89 F 1924 W 1925 (previously described) -----	37 17 01.97	90 51 44.46	.....
Junction of rd. to dwelling -----	37 17 40.7	90 52 12.1	4,506
Rd. forks -----	37 18 04.2	90 52 42.2	3,406
T-rd. E. -----	37 18 17.0	90 52 47.0	1,349
Blazed oak tree near rd. forks -----	37 18 45.3	90 52 32.0	3,102
Tps. 30 and 31 N., Rs. 1 and 2 E., cor. of -----	37 18 51.9	90 53 11.0	3,217
Center of bridge -----	37 19 17.6	90 53 22.7	2,755
Redford, 200 ft. S. of J. H. Moffett's store, 30 ft. W. of rd., in limestone ledge; standard tablet stamped "Prim Trav Sta No 91 F 1924 839" -----	37 19 09.15	90 53 53.55	2,634
Blazed oak tree, 50 ft. E. of rd. -----	37 20 28.8	90 53 46.4	8,075
Junction of rd. to school -----	37 20 53.4	90 53 58.2	2,661
Redford, 3.2 mi. N. of, 0.2 mi. E. of J. C. Harrison's house, 20 ft. SW. of old rd. forks, 35 ft. S. of corner of rail fence, in ledge; standard tablet stamped "Prim Trav Sta No 92 F 1924 839" -----	37 21 52.15	90 54 12.90	6,061
Rd. forks -----	37 22 46.5	90 53 46.2	5,904
Blazed oak tree on top of ridge -----	37 23 12.7	90 53 26.8	3,076
Tps. 31 and 32 N., Rs. 1 and 2 E., cor. of -----	37 24 05.8	90 53 06.6	3,614
Rd. forks -----	37 24 37.5	90 52 26.3	4,563
Lesterville, 5.5 mi. SW. of, 500 ft. SE. of house, 20 ft. SE. of rd., in limestone boulder; standard tablet stamped "Prim Trav Sta No 83 F 1924 764" -----	37 24 48.37	90 52 14.08	1,487
T-rd. N. -----	37 25 08.1	90 51 13.2	5,307
Lesterville, 3 mi. SE. of, 120 ft. N. of rd. fork up Paola Hollow, at foot of bluff, 40 ft. NW. of rd., in limestone ledge; standard tablet stamped "Prim Trav Sta No 94 F 1924 677" -----	37 25 09.28	90 49 52.47	6,513
Black River, W. pier of bridge over -----	37 26 12.6	90 49 23.6	6,815
T-rd. S. -----	37 26 41.4	90 49 11.6	3,064
Rd. forks -----	37 27 09.1	90 49 52.3	4,316

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Lesterville, 52 ft. W. of SW. corner of post office, 1 ft. S. of fence, in sidewalk; standard tablet stamped "Prim Trav Sta No 95 F 1924 712" -----	37 27 10.13	90 50 32.83	3,269
Center of concrete bridge -----	37 27 16.4	90 51 12.0	3,225
Center of culvert -----	37 27 56.8	90 51 56.8	5,445
Rd. forks -----	37 28 19.6	90 52 23.6	3,165
Rd. forks -----	37 28 40.4	90 53 24.9	5,369
Prim Trav Sta No 12 1907 Mo 762 H (previously described) -----	37 29 16.79	90 53 07.32	3,941

5. FROM CORRIDON QUADRANGLE SOUTHEAST ALONG STATE HIGHWAY 72 TO SEC. 5,
T. 31 N., R. 1 E., THENCE NORTH ALONG STATE HIGHWAY 21 TO
CENTERVILLE (by W. R. Broadus in 1931)
(Continued from Corridon quadrangle; see line 1.)

Highway at triangular-blazed tree -----	37 24 20.3	90 58 44.8	(7,120)
Crossroad -----	37 23 58.1	90 57 49.3	5,024
Centerville, 2.8 mi. S. of, 20 ft. N. and 80 ft. E. from intersection of State Highways 21 and 72, 27 ft. W. of store, in sandstone boulder; standard tablet stamped "52 B 1931 1139" -----	37 24 05.99	90 57 21.20	2,403
Large concrete culvert at bottom of hill -----	37 24 49.2	90 57 40.1	4,615
Centerville, at school, center of cupola (previously described) -----	37 26 00.7	90 57 28.6	7,278
Centerville, in courthouse yard, World War Memorial Monument -----	37 26 06.97	90 57 31.50	666
Centerville, 5 ft. S. of W. entrance to Reynolds County Bank, in concrete walk; standard tablet stamped "T 53 B 1931" -----	37 26 07.67	90 57 30.01	135

6. FROM CENTERVILLE NORTHWEST INTO CORRIDON QUADRANGLE AT SEC. 13,
T. 32 N., R. 1 W. (by C. D. Craig in 1934)

T T 53 B 1931 (previously described) -----	37 26 07.67	90 57 30.01	.....
Centerville, 0.8 mi. N. of, along State Highway 21, in NE 1/4 sec. 29, T. 32 N., R. 1 E., in S. abutment of concrete highway bridge over West Fork, in top of W. parapet wall; standard tablet stamped "139 M 1931 749" -----	37 26 42.45	90 57 46.03	3,750
T-rd. N., on line between secs. 19 and 20, T. 32 N., R. 1 E. -----	37 27 29.0	90 58 22.9	5,572
T. 32 N., R. 1 W., in NE 1/4 sec. 24, 25 ft. S. and 45 ft. E. of SE. corner of J. C. Laramore's house, 35 ft. E. of corner of yard, 10 ft. N. of rd., in concrete post; standard tablet stamped "T T 370 C W A 1934 787" -----	37 27 47.46	90 59 30.69	5,778
Gladdendale School, NW. corner of -----	37 28 33.0	90 59 52.4	4,929

(Continued in Corridon quadrangle; see line 2.)

7. FROM SEC. 4, T. 31 N., R. 1 E., SOUTHEAST INTO DES ARC QUADRANGLE AT
SEC. 20, T. 31 N., R. 3 E. (by C. W. Williams in 1935)

T T 52 B 1931 (previously described) -----	37 24 05.99	90 57 21.20	.....
State Highway 21 at E. side of foundation of highway maintenance garage -----	37 23 48.0	90 57 10.7	2,004
State Highway 21 at approach W. -----	37 23 27.6	90 56 35.3	3,524
State Highway 21 at rd. E. -----	37 23 16.4	90 56 23.9	1,462
Rd. W. at fence NW. -----	37 23 13.4	90 55 40.6	3,507
Rd. at fence SW. -----	37 22 45.3	90 55 09.4	3,797
Prim Trav Sta No 92 F 1924 (previously described) -----	37 21 52.15	90 54 12.90	7,051
Corner of rail fence S.-W. -----	37 21 51.6	90 53 39.8	2,676
Rd. at fence W. -----	37 21 41.7	90 53 21.2	1,806
Rd. at fence E., 700 ft. W. of stone at fence corner on line between secs. 13 and 18, T. 31 N., R. 3 E. -----	37 21 56.6	90 53 11.6	1,689
W. end of carriage foundation at site of abandoned sawmill -----	37 22 13.2	90 52 48.4	2,518
Redford, 3.2 mi. N. and 1.5 mi. E. of, in SE 1/4 sec. 18, T. 31 N., R. 2 E., on top of ridge, 15 ft. W. of crossroads, 35 ft. W. of triangular-blazed 10-in. white-oak tree, in concrete post; standard tablet stamped "T T 1603 E R A 1935 1090" -----	37 22 00.51	90 52 04.50	3,766
T. 31 N., R. 2 E., quarter cor. between secs. 17 and 20, pile of stones -----	37 21 31.1	90 51 22.6	4,503
T-rd. N. -----	37 21 27.4	90 51 10.5	1,050
Rd. fork NW. -----	37 21 01.0	90 50 12.4	5,399

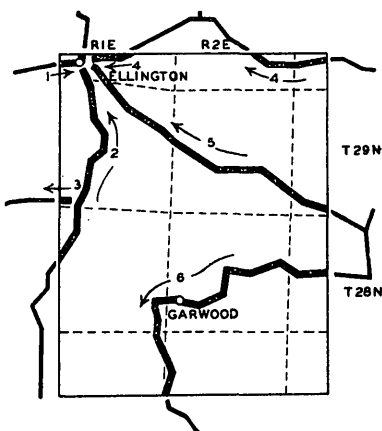
Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Redford, 3.5 mi. E. and 2 mi. N. of, in NE 1/4 sec. 28, T. 31 N., R. 2 E., 200 ft. S. of farmhouse, 42 ft. E. of fence corner, 37 ft. S. of rd. forks, 2 ft. N. of fence, in concrete post; standard tablet stamped "T T 1604 E R A 1935 680" -----	37 20 30.68	90 49 43.79	3,833
Rd. at fence S. -----	37 20 27.5	90 49 11.3	2,645
T. 31 N., R. 2 E., cor. secs. 22, 23, 26, and 27, 20 ft. N. of old stump -----	37 20 35.7	90 48 37.6	2,843
Rd. at gate -----	37 20 22.0	90 47 55.2	3,700
Rd. at W. side of cabin, 22 ft. N. of bank of Black River -----	37 20 16.0	90 47 17.0	3,141
Crossroads -----	37 20 28.1	90 46 48.8	2,587
Annapolis, 3 mi. W. and 2 mi. S. of, in SW 1/4 sec. 19, T. 31 N., R. 3 E., 15 ft. S. of rd. forks, 5 ft. N. of triangular-blazed 18-in. water-oak tree, in concrete post; standard tablet stamped "T T 1605 E R A 1935 597" -----	37 20 57.68	90 46 14.69	4,070
Rd. at fences N.-S. -----	37 21 11.4	90 45 59.9	1,832
Rd. fork SW. -----	37 20 52.6	90 45 06.3	4,728

(Continued in Des Arc quadrangle; see line 7.)

Magnetic declination 5° 56' E.

RUBLE QUADRANGLE
(Latitude 37°00'-37°15'; longitude 90°45'-91°00')

Carter, Reynolds, and Wayne Counties



1. FROM CARDAREVA QUADRANGLE AT SEC. 1, T. 29 N., R. 1 W., NORTHEAST INTO REDFORD QUADRANGLE AT SEC. 29, T. 30 N., R. 1 E. (by E. L. McNair in 1913)

(Continued from Cardareva quadrangle; see line 1.)

Tps. 29 and 30 N., Rs. 1 E. and 1 W., cor. of --- Ellington, 210 ft. S. and 600 ft. W. of Missouri Southern R.R. sta., 20 ft. S. of public rd.; iron post stamped "Prim Trav Sta No 56 1913 Mo 675" -----	37 14 19.0	90 59 47.2	(4,840)
T. 29 N., R. 1 E., N. quarter cor. sec. 5, 50 ft. W. of S. quarter cor. sec. 32, T. 30 N., R. 1 E. -----	37 14 29.24	90 58 18.62	7,232
	37 14 08.8	90 58 07.7	2,295

(Continued in Redford quadrangle; see line 2.)

2. FROM CARDAREVA QUADRANGLE AT SEC. 13, T. 28 N., R. 1 W., NORTH ALONG ROADS TO POINT 3 MILES SOUTH OF ELLINGTON, THENCE NORTH ALONG MISSOURI SOUTHERN RAILROAD TO ELLINGTON (by C. R. Fisher in 1924)

(Continued from Cardareva quadrangle; see line 2.)

T. 28 N., R. 1 E., W. cor. secs. 18 and 19, on Carter-Reynolds county line -----	37 05 51.3	90 59 59.4	(1,682)
T. 28 N., R. 1 W., E. cor. secs. 13 and 24, on Carter-Reynolds county line -----	37 06 01.3	90 59 59.1	1,013

* Reported moved 15 ft. S. of described location and position.

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
Old sawmill, 800 ft. N. of, about 500 ft. S. of cemetery, 40 ft. S. of T-rd. E., in stone post; standard tablet stamped "Prim Trav Sta No 40 F 1924 Mo 635" -----	37 06 17.79	90 59 55.78	1,805
Oak tree at fence corner, at T-rd. E. -----	37 07 09.1	90 59 04.8	6,633
Rd. forks -----	37 07 43.3	90 59 14.4	3,551
Pine Valley School, 800 ft. S. of, 80 ft. SW. of rd. forks, in large rock; standard tablet stamped "Prim Trav Sta No 41 F 1924 Mo 753" ---	37 08 27.55	90 59 20.55	4,500
T. 28 N., R. 1 E., N. cor. secs. 5 and 6 -----	37 08 42.3	90 58 46.1	3,192
Crossroads -----	37 09 58.8	90 58 53.4	5,740
Ellington, 6 mi. S. of, 150 ft. S. of Missouri Southern R.R. at rd. crossing, in concrete culvert; standard tablet stamped "Prim Trav Sta No 42 F 1924 Mo 909" *-----	37 10 02.50	90 58 34.71	2,404
Rd. forks -----	37 10 29.2	90 57 47.8	4,680
Rd. forks -----	37 11 00.3	90 57 29.0	3,494
Ellington, 3 mi. S. of, 10 ft. N. and 20 ft. W. of Missouri Southern R.R. at rd. crossing, in concrete culvert; standard tablet stamped "Prim Trav Sta No 43 F 1924 Mo 801" -----	37 11 38.62	90 58 12.74	5,254
R.R. at rd. crossing -----	37 12 23.1	90 58 03.7	4,555
R.R. at rd. crossing -----	37 12 49.4	90 58 06.9	2,680
R.R. at rd. crossing -----	37 13 35.2	90 58 12.6	4,650
R.R. at rd. crossing -----	37 14 11.1	90 58 13.2	3,634
Ellington, in concrete porch of J. F. Shy's store; standard tablet stamped "Prim Trav Sta No 44 F 1924 Mo 667" -----	37 14 29.67	90 58 12.67	1,876
Prim Trav Sta No 56 1913 Mo 675 (previously described) -----	37 14 29.70	90 58 18.80	496

3. FROM SEC. 6, T. 28 N., R. 1 E., WEST INTO CARDAREVA QUADRANGLE AT SEC. 1, T. 28 N., R. 1 W. (by C. R. Fisher in 1924)

Prim Trav Sta No 41 F 1924 Mo 753 (previously described) -----	37 08 27.55	90 59 20.55	.....
T-rd. N. -----	37 08 21.8	90 59 39.7	1,658

(Continued in Cardareva quadrangle; see line 3.)

4. FROM PIEDMONT QUADRANGLE AT SEC. 29, T. 30 N., R. 3 E., WEST TO ELLINGTON (by C. R. Fisher in 1924)
(Continued from Piedmont quadrangle; see line 2.)

T-rd. N. -----	37 14 41.3	90 45 56.2	(6,020)
Riverside School, 500 ft. N. of, 200 ft. E. of T-rd. W., 130 ft. NE. of house, in top of limestone ledge; standard tablet stamped "Prim Trav Sta No 87 F 1924 W 1925 561" -----	37 14 27.36	90 46 13.03	1,960
Rd. forks -----	37 14 31.8	90 47 08.7	4,525
Junction of lane N. -----	37 14 34.9	90 47 50.0	3,353
T-rd. E. -----	37 14 37.0	90 48 30.5	3,279

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

Junction of lane S. -----	37 14 58.4	90 56 28.7	(3,710)
Rd. forks -----	37 14 49.9	90 57 08.6	3,332
S. end of bridge -----	37 14 47.0	90 57 58.0	4,014
Prim Trav Sta No 44 F 1924 Mo 667 (previously described) -----	37 14 29.67	90 58 12.67	2,114

5. FROM PIEDMONT QUADRANGLE AT SEC. 5, T. 28 N., R. 3 E., NORTHWEST TO ELLINGTON (by W. R. Broadus in 1932)
(Continued from Piedmont quadrangle; see line 5.)

Piedmont, 6.4 mi. W. of, 17.1 mi. SE. of Ellington, 32 ft. N. of rd., 30 ft. SE. of Zimki Clark's house, at SE. corner of yard, 3 ft. S. and 4 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 1 B 1932 476" -----	37 08 00.60	90 45 38.35	(10,875)
Rd. opposite blazed sycamore tree at rd. junction, near W. end of low-water bridge over Black River -----	37 08 40.8	90 46 31.0	5,886
Piedmont, 9.1 mi. W. of, along Ellington rd., in Logan Creek Valley, 30 ft. S. of rd. at junction of rd. from Logan Creek School, 25 ft. N. and 55 ft. E. of NE. corner of Carter Mill building (destroyed), in concrete post; standard tablet stamped "T T 2 B 1932 483" ---	37 08 55.13	90 47 35.09	5,392
Rd. at blazed tree, about 80 ft. SW. of dwelling- -----	37 09 39.1	90 48 24.3	5,971

* Reported moved by State Highway Department, July 25, 1938, 27 ft. S. 20° W. from described location and position.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Logan Creek, center of bridge over -----	37 09 44.2	90 48 29.0	637
Rd. forks -----	37 09 52.8	90 48 38.2	1,147
Rd. at triangular-blazed hickory tree -----	37 09 39.8	90 49 20.0	3,939
Ellington, 10.5 mi. SE. of, along Piedmont rd., 0.7 mi. E. of Lower Doe Run School, 20 ft. N. and 90 ft. E. of rd. forks, 20 ft. N. of rd. at curve, in concrete post; standard tablet stamped "T T 3 B 1932 745" -----	37 09 50.78	90 50 34.80	6,152
Rd. forks, near Lower Doe Run School -----	37 09 36.7	90 51 11.5	3,293
Rd. corner, about 300 ft. E. of farmhouse of D. C. Larkin -----	37 10 15.4	90 52 22.6	6,965
Ellington, 7 mi. SE. of, along Piedmont rd., 2.8 mi. NW. of Lower Doe Run School, 30 ft. S. and 35 ft. W. of rd. corner, 35 ft. N. and 15 ft. E. of N. corner of Z. W. Larkin's house, inside yard fence, 10 ft. W. of gate, in concrete post; standard tablet stamped "T T 4 B 1932 701" -----	37 10 46.52	90 53 31.51	6,397
Junction of lane NE., near Upper Doe Run School - Rd. at jog and junction of lane N. -----	37 11 23.3	90 54 16.0	5,177
Ellington, 3.7 mi. SE. of, in Doe Run Valley, 83 ft. N. of rd., 27 ft. S. and 20 ft. E. of SE. corner of Lee Webb's house, 3 ft. SW. of fence corner, in concrete post; standard tablet stamped "T T 5 B 1932 823" -----	37 11 45.1	90 54 46.7	3,318
Rd. forks at top of hill -----	37 12 06.77	90 56 01.42	6,433
State Highway 21 at junction of rd. SE. to Doe Run Valley -----	37 12 42.2	90 56 48.2	5,210
Rd. at triangular-blazed tree, about 100 ft. NW. of saddle in ridge -----	37 12 51.8	90 57 03.6	1,578
Prim Trav Sta No 44 F 1924 Mo 667 (previously described) -----	37 13 32.5	90 57 24.5	4,454
	37 14 29.67	90 58 12.67	6,971

6. FROM PIEDMONT QUADRANGLE WEST ALONG STATE HIGHWAY 34 TO U.S. HIGHWAY 60,
THENCE SOUTH ALONG U.S. HIGHWAY 60 INTO GRANDIN QUADRANGLE (by
W. R. Broadus in 1932)
(Continued from Piedmont quadrangle; see line 6.)

Junction of woods rd. N. -----	37 05 17.6	90 45 50.4	(5,575)
Junction of rd. S. -----	37 05 05.2	90 46 18.0	2,564
Leeper, 5.1 mi. W. of, along State Highway 34, 30 ft. S. of highway, 20 ft. S. and 85 ft. E. of highway at junction of dim rd. SE. crossing Reynolds-Wayne county line, in concrete post; standard tablet stamped "T T 7 B 1932 755" ---	37 05 08.00	90 46 44.95	2,198
Junction of rd. S. -----	37 05 27.6	90 47 24.2	3,749
Oakgrove School, 36 ft. S. and 63 ft. E. of State Highway 34 at crossroad (rd. S. to Hadley), 105 ft. W. of front door of school- house, in concrete post; standard tablet stamped "T T 8 B 1932 790" -----	37 05 26.78	90 48 29.40	5,281
Junction of rd. S. -----	37 05 09.3	90 49 22.1	4,624
Junction of rd. N. at triangular-blazed tree ---	37 05 26.2	90 50 29.5	5,718
Garwood, 3.1 mi. E. of, along State Highway 34, 35 ft. NW. of highway, 35 ft. S. and 65 ft. W. of crossroad, 10 ft. NE. of triangular-blazed oak tree, in concrete post; standard tablet stamped "T T 9 B 1932 847" -----	37 05 08.22	90 50 40.09	2,012
Junction of rd. SE. -----	37 04 21.0	90 50 47.3	4,785
Highway at triangular-blazed oak tree, at top of hill -----	37 04 05.2	90 51 40.1	4,577
Highway at crossing of Missouri Southern R.R. ---	37 03 56.0	90 52 10.5	2,636
Garwood, 80 ft. S. and 50 ft. W. from SW. corner of Copeland's store, 30 ft. N. of State Highway 34, 20 ft. S. of Missouri Southern R.R. track at switch, in concrete post; standard tablet stamped "T T 10 B 1932 899" -----	37 03 55.40	90 52 34.46	1,940
Junction of lane S. -----	37 04 07.2	90 53 23.2	4,130
Highway at fences N. and S. -----	37 04 06.0	90 54 13.2	4,051
R. L. Yount Memorial Church, center of cupola ---	37 03 57.8	90 54 35.9	2,018
Highway at N. point of triangle formed by junction of State Highway 21 -----	37 03 46.4	90 54 47.4	1,480
Highway at Carter-Reynolds county line -----	37 03 08.5	90 54 30.0	4,085
Garwood, 4 mi. SW. of, 90 ft. S. and 60 ft. W. from highway at N. point of triangle formed by junction of U.S. Highway 60, in concrete post; standard tablet stamped "T T 11 B 1932" ---	37 02 48.68	90 54 38.21	2,107
Junction of rd. E. -----	37 02 05.8	90 54 31.5	4,373
Crossroad -----	37 01 43.6	90 54 26.9	2,275

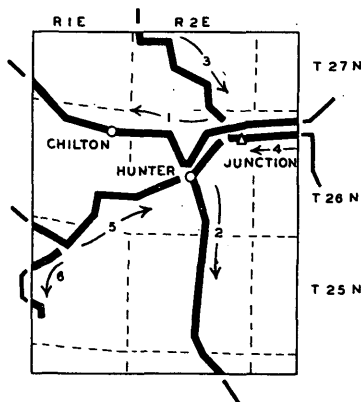
Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Van Buren, 10.6 mi. E. of, along U.S. Highway 60, 2.6 mi. S. of junction of Highway 60 and State Highway 21, 40 ft. N. and 45 ft. W. of highway at junction of rd. W., in limestone boulder; standard tablet stamped "T T 12 B 1932" -----	37 00 53.46	90 53 54.49	5,711
Intersection of highway tangents -----	37 00 03.4	90 54 06.4	5,155

(Continued in Grandin quadrangle; see line 3.)

Magnetic declination 5° 57' E.

GRANDIN QUADRANGLE
(Latitude 36°45'-37°00'; longitude 90°45'-91°00')

Carter and Ripley Counties



1. FROM WILLIAMSVILLE QUADRANGLE WEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY INTO VAN BUREN QUADRANGLE (by C. R. Fisher in 1924)
(Continued from Williamsville quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
R.R. at rd. crossing, near milepost 217 ----- Ellsinore, 1.8 mi. W. of, 120 ft. S. of St. Louis-San Francisco Ry., on W. side of Military Road, 45 ft. S. and 10 ft. W. of fence corner at rd. crossing; iron post stamped "Prim Trav Sta No 26 F 1924 Mo 779" ---	36 55 45.2	90 45 47.5	(4,870)
R.R. at milepost 219 -----	36 55 38.10	90 46 30.06	3,530
R.R. at rd. crossing -----	36 55 35.3	90 47 43.1	5,936
Grandin Junction, 140 ft. SE. of St. Louis-San Francisco Ry. sta. sign, 80 ft. E. of track, 3 ft. from SW. corner of grocery store; iron post stamped "Prim Trav Sta No 27 F 1924 Mo 876" -----	36 55 52.0	90 48 49.3	5,636
R.R. at highway crossing -----	36 55 36.80	90 49 06.32	2,066
R.R. at milepost 222 -----	36 55 19.3	90 49 16.4	1,952
R.R. at milepost 223 -----	36 55 10.2	90 50 14.4	4,796
Hunter, 0.5 mi. N. of, 100 ft. W. of St. Louis-San Francisco Ry., 30 ft. W. of gate, 2 ft. S. of N. line of public rd.; iron post stamped "Prim Trav Sta No 28 F 1924 735" -----	36 54 22.7	90 50 35.4	5,102
R.R. at milepost 368 -----	36 53 58.83	90 51 00.43	3,148
R.R. at milepost 367 -----	36 54 26.0	90 51 03.2	2,760
R.R. at milepost 366 -----	36 55 12.1	90 51 20.9	4,873
Chilton, 3 mi. E. of, 350 ft. E. of St. Louis-San Francisco Ry. at rd. crossing, 11 ft. N. of track, 100 ft. E. of rd., at E. end of R.R. cut, in ledge; standard tablet stamped "Prim Trav Sta No 29 F 1924 471" -----	36 55 38.5	90 52 16.4	5,240
R.R. at milepost 365 -----	36 55 26.50	90 52 40.08	2,274
R.R. at undergrade crossing -----	36 55 23.0	90 52 59.8	1,637
	36 55 51.1	90 54 50.3	9,413

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Chilton, 195 ft. N. of St. Louis-San Francisco Ry., 12 ft. W. of W. H. Todd's house, in rock ledge; standard tablet stamped "Prim Trav Sta No 30 F 1924 444" *	36 55 54.70	90 55 18.39	2,307
R.R. at E. end of trestle 361.9	36 55 55.2	90 56 00.1	3,383
R.R. at W. end of trestle 360.7	36 56 08.8	90 57 10.8	5,903
R.R. at sign, 1 mi. E. of Short	36 56 42.8	90 58 01.5	5,368
Short, 0.2 mi. W. of St. Louis-San Francisco Ry. sta., near rd. crossing, 50 ft. S. of track, 1 ft. N. of fence; iron post stamped "Prim Trav Sta 31 F 1924 Mo 459" -----	36 57 02.77	90 59 16.96	6,447
Hanson, R.R. at rd. crossing -----	36 57 49.0	90 59 00.8	4,853
R.R. at W. end of trestle 356.4 -----	36 58 29.8	90 59 03.1	4,131

(Continued in Van Buren quadrangle; see line 1.)

2. FROM POINT 3.5 MILES NORTHEAST OF HUNTER SOUTH ALONG STATE HIGHWAY 21 INTO DONIPHAN QUADRANGLE (by W. R. Broadus in 1931)

Junction triangulation sta.; U.S.C. & G.S. standard disk stamped "Junction" -----	36 55 48.68	90 48 37.62	.....
Junction of woods rd. S. -----	36 55 28.9	90 48 50.2	2,244
Dim E. and W. crossroad -----	36 55 14.5	90 49 00.0	1,660
Crossroad -----	36 54 39.3	90 49 24.1	4,058
Crossroad -----	36 54 24.3	90 49 44.7	2,265
Hunter, 1.2 mi. NE. of, 3 mi. SW. of U.S. Highway 60, 200 ft. N. and 12 ft. E. from rd. junction, 23 ft. E. of highway, in concrete post; standard tablet stamped "T T 54 B 1931" -----	36 53 56.00	90 50 30.08	4,662
Junction of main rd. to Hunter, 60 ft. S. of bridge over Little Black River -----	36 53 25.1	90 50 31.2	3,125
Junction of rd. S. -----	36 52 51.9	90 50 16.7	3,561
Junction of rd. SE. -----	36 52 30.4	90 50 00.8	2,523
Hunter, 2.1 mi. S. of, along State Highway 21, at foot of hill, 51 ft. N. and 37 ft. W. of highway at E. and W. crossroad; 9 ft. N. and 2 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 55 B 1931 649" --	36 51 47.83	90 49 38.26	4,676
Junction of rd. W. in creek valley -----	36 50 49.0	90 49 39.2	5,950
Grandin, 61 ft. S. and 30 ft. W. of State Highway 21 at crossing of St. Louis-San Francisco Ry., 310 ft. S. of highway bridge over Little Black River, 63 ft. N. and 30 ft. W. of crossroads, in concrete post; standard tablet stamped "T T 56 B 1931 586" -----	36 49 46.31	90 49 22.57	6,485
Crossroad -----	36 49 17.7	90 49 49.9	3,666
Highway at Carter-Ripley county line -----	36 48 45.8	90 50 03.5	3,414
Grandin, 2.7 mi. S. of, along State Highway 21, 150 ft. N. of highway at timber rd. W. and lane E., 15 ft. S. of fence corner at NW. corner of field, on S. side of woods, in concrete post; standard tablet stamped "T T 57 B 1931 713" -----	36 47 52.52	90 50 17.31	5,492
Intersection of 0.8 mi. tangent N. 21° 30' W., and 1.2 mi. tangent S. 3° 55' W. -----	36 46 38.0	90 50 07.4	7,581
Dim crossroad at top of hill -----	36 45 31.4	90 50 09.0	6,734
Crossing of dim timber rd. -----	36 45 16.0	90 49 40.8	2,776

(Continued in Doniphan quadrangle; see line 1.)

3. FROM RUBLE QUADRANGLE-SOUTHEAST ALONG U.S. HIGHWAY 60 TO POINT 3.5 MILES NORTHEAST OF HUNTER (by W. R. Broadus in 1931)
(Continued from Ruble quadrangle; see line 6.)

Junction of rd. W. from crossroad -----	36 59 46.4	90 53 52.3	(2,062)
Junction of rd. NE. -----	36 59 30.6	90 53 39.4	1,910
U.S. Highway 60 and State Highway 21, 6.7 mi. NW. of S. junction of, 30 ft. N. of Highway 60, 65 ft. S. and 15 ft. W. of SW. corner of C. E. Hedgepeth's general store, in concrete post; standard tablet stamped "T T 13 B 1932" -	36 59 20.52	90 52 37.48	5,123
Junction of rd. NE. -----	36 59 07.6	90 52 00.7	3,259
Rd. junction -----	36 58 05.1	90 51 50.6	6,368
Junction of rd. SE. to Grassy Valley School -----	36 57 53.1	90 51 04.5	3,937
U.S. Highway 60 and State Highway 21, 3.3 mi. NW. of S. junction of, on top of hill, 115 ft. E. of crossroads, 35 ft. N. of Highway 60, in concrete post; standard tablet stamped "T T 14 B 1932" -----	36 57 46.66	90 50 20.87	3,602
Crossroad -----	36 57 40.2	90 49 41.4	3,269

* Reported destroyed by L. V. Johnson in 1932.

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
Junction of rd. E., about 45 ft. W. of quarter cor. between secs. 34 and 35, T. 27 N., R. 2 E. -----	36 57 01.0	90 49 21.1	4,299
T. 26 N., R. 2 E., N. cor. secs. 2 and 3, 135 ft. W. of highway, wooden post marked "Sec 3" -----	36 56 34.9	90 49 21.0	2,635
Junction of rd. NE. -----	36 56 22.0	90 49 04.7	1,853
Junction triangulation sta. (previously described) -----	36 55 48.68	90 48 37.62	4,029

4. FROM WILLIAMSVILLE QUADRANGLE WEST ALONG U.S. HIGHWAY 60 TO GRANDIN JUNCTION (by W. R. Broadus in 1932)
(Continued from Williamsville quadrangle; see line 5.)

Crossroad -----	36 55 50.1	90 45 02.5	(1,719)
Crossroad -----	36 55 30.2	90 45 29.2	2,448
Junction of rd. S. -----	36 55 36.6	90 45 36.1	601
Ellsnoire, 1.8 mi. W. of, 2 mi. E. of State Highway 21, 37 ft. N. and 52 ft. W. from junction of rd. N., 11 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 74 B 1931" -----	36 55 33.82	90 46 30.01	4,388
Crossroad -----	36 55 33.6	90 47 12.8	3,476
Highway in front of dwelling -----	36 55 34.5	90 47 44.1	2,539
Junction triangulation sta. (previously described) -----	36 55 48.68	90 48 37.62	4,578

5. FROM VAN BUREN QUADRANGLE AT SEC. 6, T. 25 N., R. 1 E., NORTHEAST TO HUNTER (by C. W. Williams in 1935)
(Continued from Van Buren quadrangle; see line 4.)

Rd. at fence N. on line between secs. 5 and 6, T. 25 N., R. 1 E. -----	36 51 39.7	90 59 12.9	(6,153)
Rd. at fence N. -----	36 51 33.9	90 58 49.1	2,022
Rd. fork E. -----	36 51 25.7	90 58 10.9	3,216
Jed Smith School, 44 ft. N. and 210 ft. W. of, 7.2 mi. SW. of Hunter, 50 ft. W. of Hunter-Short rd., in limestone rock; standard tablet stamped "B 84 1925" -----	36 51 16.89	90 57 23.77	3,933
Rd. fork W. -----	36 51 39.2	90 57 04.5	2,750
Center of rd., 48 ft. E. of 12-in. white-oak tree Rd. on curve at fence E., near top of hill -----	36 51 44.1	90 56 55.6	876
T. 26 N., R. 1 E., cor. secs. 26, 27, 34, and 35, pile of rocks -----	36 52 35.9	90 55 57.5	1,242
Rd. at fence E. -----	36 53 02.2	90 55 40.7	2,992
Hunter, 4.6 mi. SW. of, 0.8 mi. S. of Hunter Ferry, 780 ft. S. of rd. junction, 90 ft. S. of creek crossing, 30 ft. W. of and 10 ft. above rd., in limestone ledge; standard tablet stamped "B 85 1925" -----	36 53 10.96	90 55 16.48	2,157
Rd. at fence S., in line with W. side of large barn -----	36 53 16.5	90 54 28.2	3,962
Rd. at fence N. -----	36 53 03.3	90 54 09.0	2,054
T. 26 N., R. 1 E., probable E. cor. secs. 24 and 25, pile of rocks -----	36 53 08.6	90 53 49.3	1,689
Junction of rd. N. to Cave Spring -----	36 53 06.3	90 53 22.6	2,183
Pile of rocks around iron pipe on line between secs. 19 and 30, T. 26 N., R. 2 E. -----	36 53 07.6	90 53 05.0	1,438
Hunter, 1.7 mi. W. of, 17 ft. N. and 10 ft. above rd., in line with E. side of J. H. Bacon's house, in limestone ledge; standard tablet stamped "B 86 1925" -----	36 53 06.42	90 52 33.69	2,550
Rd. at fence S. on W. side of cemetery -----	36 53 29.5	90 51 48.4	4,362
Hunter, rd. at fence S. on W. side of high school grounds -----	36 53 32.5	90 51 09.0	3,217
Prim Trav Sta No 28 F 1924 735 (previously described) -----	36 53 58.83	90 51 00.43	2,755

6. FROM POINT 7.2 MILES SOUTHWEST OF HUNTER, SOUTHWEST TO POINT 0.3 MILE SOUTH OF SHORT (by C. W. Williams in 1935)

B 84 1925 (previously described) -----	36 51 16.89	90 57 23.77	.....
Dlm rd. fork S. -----	36 51 02.6	90 57 48.7	2,489
Rd. at triangular-blazed 20-in. black-oak tree --	36 50 57.5	90 58 17.6	2,402
Rd. at triangular-blazed 16-in. black-oak tree --	36 50 49.4	90 59 06.1	4,030
Rd. fork N. -----	36 50 39.6	90 59 10.0	1,043
Rd. fork S. -----	36 50 17.3	90 59 34.8	3,020

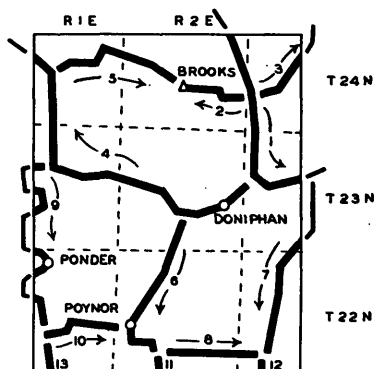
(For balance in Van Buren quadrangle, see line 5.)

Rd. forks -----	36 48 19.9	90 59 54.6	(3,016)
Short, 0.3 mi. S. of, near center sec. 30, T. 25 N., R. 1 E., 55 ft. W. of rd., on S. side of large spring, in ledge; standard tablet stamped "B 82 1925" -----	36 47 51.97	90 59 36.78	3,174

Magnetic declination 5° 59' E.

DONIPHAN QUADRANGLE
(Latitude 36°30'–36°45'; longitude 90°45'–91°00')

Ripley County



1. FROM GRANDIN QUADRANGLE SOUTH ALONG STATE HIGHWAY 21 TO STATE HIGHWAY 14, THENCE EAST ALONG STATE HIGHWAY 14 INTO ACORN QUADRANGLE (by W. R. Broadus in 1931)

(Continued from Grandin quadrangle; see line 2.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Doniphan, 10.1 mi. N. of, 0.4 mi. NW. of State Highway 21 bridge over Little Black River, 68 ft. W. of highway, 90 ft. N. of John Grove's house, 7 ft. E. of 20-in. oak tree, in concrete post; standard tablet stamped "T T 58 B 1931 634" -----	36 44 52.39	90 48 58.74	(4,166)
Little Black River, center of bridge over -----	36 44 45.0	90 48 34.6	2,100
Highway at triangular-blazed tree on W. side of rd., about 120 ft. from S. end of curve -----	36 43 46.2	90 48 27.0	5,974
Junction of rd. W. -----	36 43 29.6	90 48 06.9	2,338
Doniphan, 6.9 mi. NE. of, along State Highway 21, 35 ft. S. and 35 ft. E. of highway at crossroad, in Otto Poke's front yard, in concrete post; standard tablet stamped "T T 59 B 1931" -----	36 42 36.88	90 47 47.84	5,555
Junction of lane W. -----	36 42 15.0	90 47 42.6	2,254
Crossroad -----	36 41 54.0	90 47 36.9	2,174
Doniphan, 4.5 mi. NE. of, along State Highway 21, 0.7 mi. N. of Oak Grove School, about 80 ft. S. of Emmon's store, 31 ft. S. and 34 ft. E. of highway at rd. E., in concrete post; standard tablet stamped "T T 60 B 1931 559" -----	36 40 52.11	90 47 30.46	6,278
Junction of rd. W. -----	36 40 26.3	90 47 31.3	2,609
Highway in front of McKensieville store -----	36 39 48.2	90 47 32.0	3,860
Junction of rd. W. -----	36 39 33.8	90 47 32.3	1,454
Doniphan, 2 mi. NE. of, 25 ft. N. and 65 ft. E. of junction of State Highways 14 and 21, 7 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 61 B 1931 558" -----	36 38 41.54	90 47 45.58	5,392
Junction of rd. S. -----	36 38 40.8	90 47 00.7	3,658
N.-S. crossroad -----	36 38 45.3	90 46 28.3	2,682
Junction of rd. N. near church -----	36 39 07.3	90 45 38.6	4,619

(Continued in Acorn quadrangle; see line 2.)

2. FROM SEC. 25, T. 24 N., R. 2 E., WEST TO SEC. 22, T. 24 N., R. 2 E. (by W. R. Broadus in 1931)

T T 59 B 1931 (previously described) -----	36 42 36.88	90 47 47.84	.....
T. 24 N., R. 2 E., quarter cor. between secs. 24 and 25, T.-rd. S. -----	36 42 37.3	90 48 00.9	1,058
Rd. corner from E.-N. at fence W. -----	36 42 37.3	90 48 54.7	4,380
Rd. corner from S.-W. -----	36 42 50.7	90 48 54.6	1,340
Rd. fork W. -----	36 43 03.7	90 49 05.3	1,581
T. 24 N., R. 2 E., quarter cor. between secs. 22 and 25, rd. W. from crossroads at fences N. and S. -----	36 43 03.7	90 49 37.7	2,645
Brooks triangulation sta.; U.S.C. & G.S. standard disk stamped "Brooks" -----	36 42 44.83	90 50 14.85	3,575

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
5. FROM SEC. 20, T. 24 N., R. 1 E., EAST TO SEC. 22, T. 24 N., R. 2 E. (by H. W. Gross in 1936)			
2 B 1926 (previously described) -----	36 42 58.52	90 58 31.30	.....
Rd. at W. bank of creek -----	36 43 10.6	90 57 56.8	3,062
Buffalo School, NE. corner of -----	36 43 25.9	90 57 25.7	2,971
Triangular-blazed 30-in. post-oak tree at SE. corner of field -----	36 43 33.6	90 56 33.3	4,333
Bennett, 5.5 mi. SE. of, 0.4 mi. S. of Buffalo Creek at ford, 80 ft. E. of rd. at ravine, at foot of hill, in top of boulder; standard tablet stamped "3 B 1925" -----	36 43 16.14	90 56 13.60	2,389
T-fence W. -----	36 44 04.7	90 55 36.8	5,752
Woods rd. at 16-in. black-oak tree in fence on E. bank of Current River, about 350 ft. N. of ravine -----	36 43 53.9	90 55 05.4	2,787
T. 24 N., R. 1 E., sec. 24, about 0.2 mi. W. and 270 ft. S. of NE. cor. of, about 200 ft. S. of ridge rd. at saddle between two prominent hills, 47 ft. W. of rd., 7 ft. W. of triangular-blazed 24-in. post-oak tree, 8 ft. S. of 10-in. pine tree, in top of 18-in. square sandstone; standard tablet stamped "T T 1 G 1936" -----	36 43 31.58	90 54 18.38	4,438
T. 24 N., R. 1 E., E. cor. secs. 13 and 24, pile of rocks -----	36 43 34.2	90 54 01.9	1,370
Twin 40-in. sycamore tree at edge of small creek, near quarter cor. between secs. 18 and 19, T. 24 N., R. 2 E. -----	36 43 32.5	90 53 25.7	2,947
Rd. forks -----	36 43 47.2	90 52 46.6	3,516
Rd. S. from rd. forks at fence E. -----	36 43 40.0	90 51 54.3	4,319
T. 24 N., R. 2 E., cor. secs. 16, 17, 20, and 21, rd. at fence N. -----	36 43 30.5	90 51 47.6	1,104
Ridge rd. at triangular-blazed 12-in. elm tree W. of rd. -----	36 43 16.6	90 51 29.3	2,048
Rd. forks, 65 ft. N. and 200 ft. W. from pile of stones -----	36 42 49.2	90 51 07.8	3,282
Brooks triangulation sta. (previously described)-----	36 42 44.83	90 50 14.85	4,334

6. FROM POINT 0.7 MILE WEST OF DONIPHAN SOUTH ALONG STATE HIGHWAY 21 TO
POYNOR, THENCE EAST ALONG ROADS TO SEC. 33, T. 22 N., R. 2 E.
(by C. W. Williams in 1935)

S 67 1934 (previously described) -----	36 36 53.17	90 51 03.89	.....
U.S.C. & G.S. standard disk stamped "R 67 1934" -	36 36 25.62	90 51 26.19	3,327
U.S.C. & G.S. standard disk stamped "Q 67 1934" -	36 36 02.26	90 52 06.68	4,059
Highway at fences E. and W. -----	36 35 20.4	90 52 54.1	5,730
U.S.C. & G.S. standard disk stamped "P 67 1934" -	36 34 50.05	90 52 52.92	3,076
Junction of rd. NE. -----	36 33 57.0	90 52 39.2	5,483
T. 22 N., R. 2 E., center sec. 17, iron pipe in pile of rocks 40 ft. E. of barn -----	36 33 08.8	90 52 49.6	4,942
E.-W. crossroad -----	36 32 58.4	90 53 06.0	1,705
U.S.C. & G.S. standard disk stamped "M 67 1934" -	36 32 30.79	90 53 29.62	3,391
E.-W. crossroad -----	36 32 16.9	90 53 41.2	1,690
T. 22 N., R. 2 E., W. cor. secs. 19 and 30, T-rd. E. -----	36 31 51.6	90 54 22.0	4,203
Junction of rd. W. -----	36 31 37.6	90 54 11.2	1,672
U.S.C. & G.S. standard disk stamped "L 67 1934" -	36 31 19.86	90 54 21.25	1,969
Poynor, junction of rd. E. -----	36 31 14.2	90 54 24.8	644
T. 22 N., R. 2 E., quarter cor. between secs. 29 and 30, rd. at fences N. and S. -----	36 31 24.2	90 53 23.5	5,102
T. 22 N., R. 2 E., quarter cor. between secs. 28 and 29, T-rd. W. -----	36 31 23.5	90 52 19.5	5,231
Poynor, 2 mi. E. and 0.5 mi. S. of, in NW 1/4 NW 1/4 sec. 33, T. 22 N., R. 2 E., 25 ft. E. of N.-S. rd., 81 ft. S. of fence E., N. of old church, in concrete post; standard tablet stamped "T T 1623 E R A 1935" -----	36 30 55.90	90 52 19.40	2,791

7. FROM ACORN QUADRANGLE SOUTH ALONG COUNTY ROUTE E TO SEC. 32, T. 22 N.,
R. 3 E. (by C. W. Williams in 1935)
(Continued from Acorn quadrangle; see line 4.)

Doniphan, 4 mi. E. of, along County Route B, in SW 1/4 SW 1/4 sec. 32, T. 23 N., R. 3 E., 32 ft. N. and 216 ft. E. of Route B at fence S. at N. cor. secs. 5 and 6, T. 22 N., R. 3 E., 32 ft. N. of junction of Routes B and E, in concrete post; standard tablet stamped "T T 1625 E R A 1935" -----	36 35 37.54	90 46 18.86	(7,043)
Dim crossroad -----	36 35 15.5	90 46 19.6	2,231
Junction of rd. W. -----	36 34 26.2	90 46 21.3	4,990

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Dim crossroad -----	36 33 33.3	90 46 23.1	5,369
Doniphan, 6.8 mi. SE. of, along County Routes B and E, 29 ft. W. of Route E at rd. E. at center sec. 17, T. 22 N., R. 3 E., in concrete post; standard tablet stamped "T T 1626 E R A 1935" -----	36 33 06.83	90 46 23.90	2,659
Junction of rd. W. -----	36 32 39.7	90 46 23.5	2,746
T. 22 N., R. 3 E., quarter cor. between secs. 20 and 29, highway at rd. E. and fence W. -----	36 31 48.1	90 46 24.1	5,220
Junction of County Route N -----	36 31 21.8	90 46 25.2	2,656
Doniphan, 9.7 mi. SE. of, along County Routes B and E, near center NW 1/4 sec. 32, T. 22 N., R. 3 E., 146 ft. S. and 24 ft. E. of Route E at rd. W., in concrete post; standard tablet stamped "T T 1627 E R A 1935" -----	36 30 40.35	90 46 42.02	4,414

8. FROM SEC. 33, T. 22 N., R. 2 E., EAST TO SEC. 32, T. 22 N., R. 3 E.
(by C. W. Williams in 1935)

T T 1623 E R A 1935 (previously described) -----	36 30 55.90	90 52 19.40	.....
T. 22 N., R. 2 E., quarter cor. between secs. 28 and 33, rd. at fence N. -----	36 30 56.6	90 51 47.1	2,635
T. 22 N., R. 2 E., cor. secs. 27, 28, 33, and 34, E.-W. lane at rd. N. and fence S. -----	36 30 56.4	90 51 15.0	2,626
County Route A at E.-W. crossroad -----	36 30 55.8	90 50 09.6	5,339
T. 22 N., R. 2 E., quarter cor. between secs. 26 and 35, iron pin in rd. in front of dwelling --	36 30 55.5	90 49 36.6	2,688
T. 22 N., R. 2 E., secs. 26 and 35, 124 ft. W. and 20 ft. S. of T-rd. W. at E. sixteenth cor. between, in concrete post; standard tablet stamped "T T 1634 E R A 1935" -----	36 30 55.12	90 49 21.87	1,205
Triangular-blazed 20-in. sycamore tree on W. bank of creek at wagon ford -----	36 30 47.2	90 48 30.0	4,311
Rd. at fence S. along W. side of dim rd. -----	36 31 00.4	90 47 46.3	3,801
Rd. at W. edge of timber -----	36 30 42.0	90 47 14.7	3,180
T T 1627 E R A 1935 (previously described) -----	36 30 40.35	90 46 42.02	2,672

9. FROM SEC. 16, T. 23 N., R. 1 E., SOUTH TO SEC. 29, T. 22 N., R. 1 E.
(by C. W. Williams in 1935)

X 67 1934 (previously described) -----	36 38 53.18	90 58 14.29	.....
State Highway 14 at rd. N. to Bennett -----	36 39 00.1	90 58 31.9	1,594
State Highway 14 at fence N. -----	36 39 06.7	90 59 22.0	4,135
State Highway 14 at crossroad -----	36 39 01.8	90 59 55.5	2,776

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

Rd. at rail fence S. -----	36 37 45.2	90 59 47.2	(2,026)
Rd. at triangular-blazed 12-in. black-oak tree --	36 37 18.5	90 59 55.4	2,781

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

Ponder, 0.3 mi. W. of, in SW 1/4 SW 1/4 sec. 5, T. 22 N., R. 1 E., 110 ft. W. of junction of Bardley-Ponder and Gatewood-Ponder rds., 200 ft. E. of church, in concrete post; standard tablet stamped "T T 1629 E R A 1935" -----	36 35 02.23	90 59 40.84	(3,422)
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(For balance in Gatewood quadrangle, see line 6.)

Ponder, 1 mi. W. and 2 mi. S. of, along Gatewood-Ponder and Bell View wagon rds., in sec. 17, T. 22 N., R. 1 E., 30 ft. N. of rd., 33 ft. S. and 35 ft. W. of SW. corner of schoolhouse, in concrete post; standard tablet stamped "T T 1630 E R A 1935" -----	36 33 34.15	90 59 46.87	(1,767)
Rd. at fence E. -----	36 32 51.6	90 59 53.6	4,336
T. 22 N., R. 1 E., cor. secs. 19, 20, 29, and 30, stone near fence corner -----	36 32 11.7	90 59 50.1	4,050
Crossroads -----	36 31 58.7	90 59 55.3	1,381
T-rd. E. -----	36 31 39.4	90 59 49.9	2,000
Ponder, 5.8 mi. SW. of, along Gatewood-Ponder and Bell View wagon rds., in SW 1/4 SW 1/4 sec. 29, T. 22 N., R. 1 E., near E.-W. sec. line, 23 ft. N. and 26 ft. E. of crossroads, in concrete post; standard tablet stamped "T T 1632 E R A 1935" -----	36 31 18.31	90 59 42.91	2,208

10. FROM SEC. 29, T. 22 N., R. 1 E., EAST TO POYNOR (by C. W. Williams in 1935)

T T 1632 E R A 1935 (previously described) -----	36 31 18.31	90 59 42.91	.....
Crossroads -----	36 31 31.7	90 59 29.2	1,758
Rd. at triangular-blazed 24-in. white-oak tree --	36 31 36.6	90 58 43.5	3,761

Station	Latitude	Longitude	Distance
T-rd. W. -----	° ' "	° ' "	Feet
Crossroads -----	36 31 28.5	90 58 12.3	2,678
Poynor, 0.8 mi. N. and 2.5 mi. W. of, in SE 1/4	36 32 06.8	90 57 41.4	4,622
sec. 22, T. 22 N., R. 1 E., 25 ft. N. and			
15 ft. E. of T-rd. E., near E.-W. sec. line,			
in concrete post; standard tablet stamped "T T			
1633 E R A 1935" -----	36 32 01.84	90 56 57.19	3,642
T. 22 N., R. 1 E., cor. secs. 22, 23, 26, and 27,			
iron pin in rd., 6 ft. W. of fence N. -----	36 32 00.2	90 56 32.0	2,059
Rd. fork NW. -----	36 31 57.9	90 55 48.4	3,567
T. 22 N., R. 1 E., quarter cor. between secs. 24			
and 25, iron pipe at crossroads -----	36 31 55.0	90 54 54.6	4,402
T. 22 N., R. 1 E., E. cor. secs. 24 and 25, iron			
pipe at T-rd. W. -----	36 31 53.2	90 54 22.0	2,671
L 67 1934 (previously described) -----	36 31 19.86	90 54 21.25	3,369

11. FROM SEC. 33, T. 22 N., R. 2 E., SOUTH TO ARKANSAS-MISSOURI STATE LINE
(single-run unchecked spur line by C. W. Williams in 1935)

T T 1623 E R A 1935 (previously described) -----	36 30 55.90	90 52 19.40	.....
T. 22 N., R. 2 E., quarter cor. between secs. 32			
and 33, rd. at fence W. -----	36 30 30.7	90 52 20.3	2,550
T. 22 N., R. 2 E., S. cor. secs. 32 and 33, stone			
at T-rd. W. -----	36 30 04.6	90 52 20.6	2,637
Ark.-Mo. State line, pile of rocks at T-rd. E.			
(in Reyno, Ark., quadrangle) -----	36 29 53.5	90 52 20.7	1,126

12. FROM SEC. 32, T. 22 N., R. 3 E., SOUTH TO ARKANSAS-MISSOURI STATE LINE
(single-run unchecked spur line by C. W. Williams in 1935)

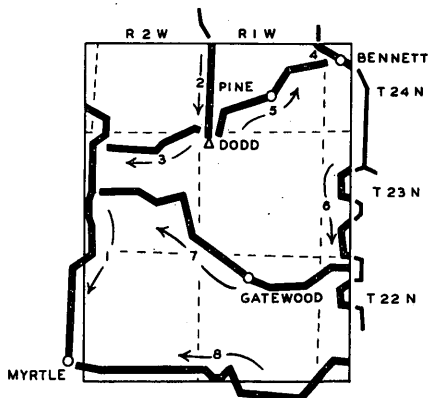
T T 1627 E R A 1935 (previously described) -----	36 30 40.35	90 46 42.02	.....
Ark.-Mo. State line, County Route E at E.-W.			
crossroad (Reyno, Ark., quadrangle) -----	36 29 54.6	90 46 43.5	4,630
Ark.-Mo. State line, rd. corner from W.-N. at			
S. cor. secs. 32 and 33, T. 22 N., R. 3 E. (in			
Reyno quadrangle) -----	36 29 54.5	90 45 55.0	3,960

13. FROM SEC. 29, T. 22 N., R. 1 E., SOUTH TO ARKANSAS-MISSOURI STATE LINE
(single-run unchecked spur line by C. W. Williams in 1935)

T T 1632 E R A 1935 (previously described) -----	36 31 18.31	90 59 42.91	.....
Rd. at fence W. on township line -----	36 30 23.7	90 59 16.8	5,918
Rd. forks -----	36 30 03.0	90 59 10.3	2,158
Ark.-Mo. State line at pile of rocks on N.-S.			
line through center sec. 5, T. 21 N., R. 1 E.			
(in Reyno, Ark., quadrangle) -----	36 29 53.4	90 59 23.9	1,478

Magnetic declination 5° 58' E.

GATEWOOD QUADRANGLE
(Latitude 36°30'-36°45'; longitude 91°00'-91°15')
Oregon and Ripley Counties



1. FROM SEC. 25, T. 24 N., R. 3 W., SOUTH TO MYRTLE, INCLUDING THAT PART OF THE LINE IN COUCH QUADRANGLE (by W. R. Broadus in 1932) *

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T-rd. S. near quarter cor. between secs. 25 and 26, T. 24 N., R. 3 W. -----	36 42 34.7	91 15 02.6	.....
T. 24 N., R. 3 W., stone at center sec. 25, 10 ft. S. of rd., 5 ft. W. of NE. corner of field -----	36 42 33.9	91 14 29.5	2,689
T. 24 N., R. 2 W., W. quarter cor. sec. 30, 8 ft. N. and 8 ft. W. from rd. forks, 172 ft. N. of stone at E. quarter cor. sec. 25, T. 24 N., R. 3 W. -----	36 42 34.7	91 13 57.2	2,637
T. 24 N., R. 2 W., about 700 ft. E. of W. cor. secs. 30 and 31, 27 ft. N. and 31 ft. E. of rd. corner, 4 ft. W. of triangular-blazed pine tree, in concrete post; standard tablet stamped "T T 88 B 1932" -----	36 42 08.68	91 13 48.88	2,711
Rd. corner at junction of dim rd. SE. -----	36 42 07.9	91 13 16.3	2,653
Rd. corner from N.-E. -----	36 41 41.7	91 13 16.9	2,650
Rd. corner -----	36 41 41.4	91 13 00.5	1,340
T. 24 N., R. 2 W., center of SE 1/4 sec. 31, iron pin in N.-S. rd. -----	36 41 28.3	91 13 00.7	1,330
Morgan School, near center of S 1/2 sec. 6, T. 23 N., R. 2 W., 6 ft. W. of W. door of schoolhouse, in concrete porch; standard tablet stamped "T T 89 B 1932" -----	36 40 51.73	91 13 30.17	4,404
T-rd. E. at triangular-blazed tree -----	36 40 52.7	91 14 00.0	2,430
Triangular-blazed tree near rd. at bottom of hollow -----	36 39 56.6	91 14 01.3	5,672
T. 23 N., R. 2 W., W. cor. secs. 7 and 18, rd. at fence E. -----	36 39 34.1	91 14 01.4	2,276
Rd. at fence W. -----	36 39 31.2	91 14 01.6	294
T-rd. W. -----	36 39 05.3	91 14 02.2	2,625
Rd. forks -----	36 38 54.8	91 14 02.5	1,055
T. 23 N., R. 3 W., in NE 1/4 sec. 24, 1 mi. E. of Dry Creek, 38 ft. N. and 31 ft. W. of State Highway 14 at crossroad, in concrete post; standard tablet stamped "T T 90 B 1932" -----	36 38 35.47	91 14 15.25	2,203
Rd. fork W. -----	36 38 15.5	91 14 17.1	2,037
Rd. forks -----	36 37 57.2	91 14 20.0	1,870
T-fence E. at SW. corner of Williams' field -----	36 37 22.5	91 14 04.7	3,723
Rd. fork E. -----	36 37 11.0	91 14 13.3	1,353
T. 23 N., Rs. 2 and 3 W., approximate cor. secs. 25, 30, 31, and 36, fence corner -----	36 36 55.1	91 14 05.3	1,737
Job, 1.3 mi. N. of, in SW 1/4 sec. 36, T. 23 N., R. 3 W., 400 ft. N. of Dry Creek ford, 25 ft. N. and 30 ft. E. of junction of rd. E., 7 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 91 B 1932" -----	36 36 04.70	91 14 57.65	6,648
Rd. S. at fence W., on top of hill -----	36 35 53.3	91 15 04.8	1,297
Job, crossroads at cor. secs. 1, 2, 11, and 12, T. 22 N., R. 3 W. -----	36 35 00.3	91 15 06.1	5,358
T. 22 N., R. 3 W., cor. secs. 11, 12, 13, and 14, rd. at fence E. -----	36 34 06.7	91 15 07.1	5,422

*Line 2 of Couch quadrangle includes a portion of this line (see Bull. 916-B, pp. 125-126).

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T-rd. W. -----	36 33 39.4	91 15 07.9	2,766
Job, 2 mi. S. of, 31 ft. S. and 22 ft. W. of crossroads at cor. secs. 13, 14, 23, and 24, T. 22 N., R. 3 W., 20 ft. S. of fence corner, in concrete post; standard tablet stamped "T 92 B 1932" -----	36 33 11.78	91 15 08.85	2,792
Crossroads at top of hill -----	36 32 26.2	91 15 08.6	4,614
Junction of rd. W. -----	36 31 51.0	91 15 15.0	3,593
T-rd. E. -----	36 31 37.4	91 15 15.4	1,379
Myrtle, 1 mi. NE. of, 442 ft. N. and 40 ft. E. of S. sixteenth cor. between secs. 35 and 36, T. 22 N., R. 3 W., 25 ft. N. and 40 ft. E. of T-rd. N., in concrete post; standard tablet stamped "T 93 B 1932" -----	36 30 48.04	91 15 10.78	5,004

2. FROM VAN BUREN QUADRANGLE AT SEC. 12, T. 24 N., R. 2 W., SOUTH TO
SEC. 6, T. 23 N., R. 1 W. (by L. A. Cassil in 1933)
(Continued from Van Buren quadrangle; see line 2.)

T-rd. W. (? E.) -----	36 44 51.1	91 07 12.7	(2,117)
T-rd. W. -----	36 44 16.5	91 07 13.6	3,497
T-rd. W. -----	36 43 50.1	91 07 14.5	2,671
T-rd. E., 200 ft. N. of T-rd. W. -----	36 42 59.1	91 07 15.8	5,159
T-rd. W. -----	36 42 31.2	91 07 16.8	2,820
NW. corner of cemetery -----	36 42 06.8	91 07 17.0	2,470
Presbyterian Church, NW. corner of -----	36 41 50.8	91 07 16.9	1,624
Bardley, near E. quarter cor. sec. 36, T. 24 N., R. 2 W., 85 ft. NW. of gasoline pump at filling sta. on N.-S. rd., 64 ft. SW. of SW. corner of porch of Turner Mercantile Co., in concrete post; standard tablet stamped "2 C 1933" -----	36 41 38.73	91 07 18.48	1,225
T-rd. S. -----	36 41 22.8	91 07 17.1	1,619
Center of rd., 180 ft. N. of school -----	36 41 13.8	91 06 40.6	3,107
E.-W. rd. at rd. S. and dim rd. N. -----	36 41 14.0	91 06 02.0	3,145
State Highway 14, at N.-S. crossroad -----	36 40 19.5	91 06 00.7	5,517
Dodd triangulation sta.; U.S.C. & G.S. standard disk stamped "Dodd" -----	36 40 31.70	91 06 25.03	2,333

3. FROM SEC. 36, T. 24 N., R. 2 W., WEST TO SEC. 6, T. 23 N., R. 2 W.
(by L. A. Cassil in 1933)

2 C 1933 (previously described) -----	36 41 38.73	91 07 18.48	.....
Rd. at fence S. -----	36 41 39.4	91 07 50.4	2,605
T-rd. W. -----	36 41 37.0	91 08 26.5	2,950
Crossroads -----	36 41 22.3	91 08 44.1	2,065
Rd. fork NE. -----	36 41 08.4	91 09 15.2	2,900
T-rd. N. -----	36 40 50.1	91 10 19.4	5,550
Junction of dim rd. SE. -----	36 40 34.0	91 10 24.3	1,680
Bardley, 4 mi. W. of, 55 ft. S. of Alton-Bardley rd., 38 ft. NW. of 15-in. oak tree, in buried boulder; standard tablet stamped "3 C 1933" ---	36 40 25.56	91 10 31.46	1,040
Junction of dim rd. N. -----	36 40 24.6	91 10 58.1	2,170
Rd. fork E. -----	36 40 40.9	91 11 03.4	1,700
Rd. forks -----	36 40 44.9	91 11 15.2	1,040
Eleven Point River, center of ford across -----	36 40 46.2	91 11 35.0	1,620
Junction of dim rd. E. -----	36 40 48.5	91 12 04.2	2,390
Center of gate in N.-S. fence -----	36 40 36.5	91 12 53.0	4,100
T T 89 B 1932 (previously described) -----	36 40 51.73	91 13 30.17	3,309

4. FROM DONIPHAN QUADRANGLE AT SEC. 18, T. 24 N., R. 1 E., NORTHWEST INTO
VAN BUREN QUADRANGLE AT SEC. 12, T. 24 N., R. 1 W. (by C. W. Williams
in 1935)
(Continued from Doniphan quadrangle; see line 4.)

Bennett, in concrete porch in front of W. O. Robert's general store; standard tablet stamped "60 B 1925" -----	36 43 56.45	91 00 15.58	(2,784)
Rd. fork W. -----	36 44 13.8	91 01 19.9	5,459
Rd. in line with S. side of farmhouse -----	36 44 55.0	91 01 32.4	4,292

(Continued in Van Buren quadrangle; see line 6.)

5. FROM SEC. 36, T. 24 N., R. 2 W., NORTHEAST TO BENNETT (by C. W. Williams
in 1935)

2 C 1933 (previously described) -----	36 41 38.73	91 07 18.48	.....
Rd. at fence W. -----	36 42 31.4	91 07 16.7	5,329
Pine, 1.4 mi. W. of, on Oregon-Ripley county line, 20 ft. N. and 17 ft. W. of T-rd. E., 173 ft. N. and 17 ft. W. of T-rd. W., in stone post; standard tablet stamped "77 B 1925" -----	36 42 59.37	91 07 15.99	2,833
Rd. at fence N. and lane S. -----	36 42 58.4	91 06 34.8	3,359

Station	Latitude	Longitude	Distance
Pine, rd. in line with W. side of general store - T. 24 N., R. 1 W., cor. secs. 20, 21, 28, and 29, iron pin on side of bank at rd. corner from W.-S. -----	36 42 57.9	91 05 48.3	Feet 3,781
Pine, 0.7 mi. E. and 0.3 mi. S. of post office, 250 ft. N. and 365 ft. W. of T-rd. E., 32 ft. N. and 22 ft. E. of A. L. Sprigg's barn, in rock outcrop; standard tablet stamped "78 B 1925" -----	36 42 58.6	91 04 57.2	4,166
Rd. fork NW. -----	36 42 44.90	91 05 02.10	1,443
Rd. forks -----	36 42 45.7	91 04 08.7	4,347
Pine, 3 mi. E. of, 600 ft. E. of point where Bennett-Pine rd. leaves creek valley, 240 ft. SW. of creek crossing, 34 ft. S. of rd., in top of granite boulder; standard tablet stamped "79 B 1925" -----	36 42 46.4	91 03 23.9	3,650
Junction of four rds. -----	36 43 13.29	91 03 05.04	3,129
Rd. at fence NW. -----	36 43 40.1	91 02 48.7	3,023
Rd. in front of gate at end of stone fence -----	36 43 57.3	91 01 43.4	5,594
80 B 1925 (previously described) -----	36 44 06.6	91 00 33.8	5,745
	36 43 58.45	91 00 15.58	1,692

6. FROM DONIPHAN QUADRANGLE AT SEC. 18, T. 23 N., R. 1 E., SOUTH INTO
DONIPHAN QUADRANGLE AT SEC. 18, T. 22 N., R. 1 E. (by C. W. Williams
in 1935)

(Continued from Doniphan quadrangle; see line 9.)

Crossroads -----	36 38 34.0	91 00 02.9	(2,875)
Brier Creek, 1.8 mi. W. along State Highway 14, thence 1 mi. S. from, in SE 1/4 sec. 19, T. 23 N., R. 1 E., 30 ft. S. of S. side of Billy McKinney's house, 12 ft. W. of rd., 2 ft. E. of fence, in concrete post; standard tablet stamped "T 1628 E R A 1935" -----	36 38 01.29	91 00 01.94	3,307
(For balance in Doniphan quadrangle, see line 9.)			
Rd. fork W. -----	36 37 17.0	91 00 22.6	(2,216)
T. 23 N., R. 1 E., center of SW 1/4 sec. 30, pile of rocks around iron pipe -----	36 36 55.3	91 00 31.6	2,311
T. 23 N., R. 1 E., approximate W. sixteenth cor. between secs. 30 and 31, stone 12 ft. W. of rd. at fence E. -----	36 36 43.2	91 00 32.0	1,223
Rd. forks -----	36 36 19.4	91 00 26.4	2,453
Rd. forks -----	36 35 54.8	91 00 11.6	2,764
Rd. at rail fence S. -----	36 35 30.2	91 00 04.4	2,560

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

T. 22 N., R. 1 E., center of SE 1/4 sec. 6, iron pipe -----	36 35 04.0	91 00 00.6	(1,622)
Rd. fork S. -----	36 35 03.4	91 00 27.2	2,168
T-rd. W. -----	36 34 16.1	91 00 19.5	4,826
Rd. forks -----	36 33 45.2	91 00 03.7	3,380

(Continued in Doniphan quadrangle; see line 9.)

7. FROM DONIPHAN QUADRANGLE AT SEC. 6, T. 22 N., R. 1 E., NORTHWEST ALONG
ROADS TO SEC. 14, T. 23 N., R. 2 W., THENCE WEST ALONG STATE HIGHWAY 14
TO SEC. 24, T. 23 N., R. 3 W. (by C. W. Williams and J. J. Beinlich in
1935-36)

T T 1629 E R A 1935 (In Doniphan quadrangle; see line 9.) -----	36 35 02.23	90 59 40.84	.....
Rd. at rail fence S., on approximate line between secs. 1 and 6, T. 22 N., Rs. 1 E. and 1 W. -----	36 35 10.8	91 00 52.6	5,915
Rd. fork S. -----	36 35 02.8	91 01 19.0	2,298
Rd. fork SE. -----	36 34 52.4	91 01 53.4	2,998
Gatewood, 3.8 mi. E. of, along Gatewood-Ponder rd., 125 ft. N. and 235 ft. W. of iron pipe at quarter cor. between secs. 2 and 11, T. 22 N., R. 1 W., 50 ft. N. and 10 ft. W. of T-rd. S., 1 ft. S. of fence, in concrete post; standard tablet stamped "T T 1635 E R A 1935" -----	36 34 47.78	91 02 36.95	3,584
Rd. at fences N. and S., on line between secs. 10 and 11, T. 22 N., R. 1 W. -----	36 34 40.9	91 03 06.7	2,526
T-rd. S. -----	36 34 38.4	91 03 39.6	2,691
Rd. fork S. -----	36 34 33.8	91 04 43.8	5,261
Gatewood, in NE 1/4 NE 1/4 sec. 8, T. 22 N., R. 1 W., 80 ft. S. and 90 ft. W. of SW. corner of main part of post office building, 25 ft. S. and 15 ft. E. of rd. forks, in concrete post; standard tablet stamped "T T 1636 E R A 1935" - Stone at property corner at rd. E. and abandoned rd. S. -----	36 34 37.57	91 05 28.50	3,664
	36 35 00.2	91 06 17.3	4,594

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Rd. at abandoned rd. S. and rail fence N. -----	36 35 25.9	91 06 43.0	3,331
T. 22 N., R. 1 W., stone at NW. cor. sec. 6 (information from landowner) -----	36 35 58.0	91 07 27.4	4,865
Gatewood, 2.4 mi. NW. cf. in NW 1/4 sec. 6, T. 22 N., R. 1 W., on SW. slope of prominent ridge and about 300 ft. from summit, 66 ft. N. of rd., in front of triangular-blazed 18-in. black-oak tree, in top of large boulder; standard tablet stamped "T T 2 G 1936" -----	36 35 39.09	91 07 21.42	1,972
Rd. at fence S. -----	36 35 39.6	91 08 01.3	3,252
Pleasant Hill School, spire on belfry -----	36 35 41.9	91 08 31.2	2,451
Junction of private rd. NE. -----	36 36 04.0	91 08 42.1	2,401
Hurricane Creek, center of wooden bridge over Gatewood, 5.4 mi. NW. of, along Gatewood-Riverton rd., 370 ft. S. and 45 ft. W. of stone at E. sixteenth cor. between secs. 26 and 35, T. 23 N., R. 2 W., 35 ft. W. of rd., 68 ft. S. and 33 ft. E. of house on Brock ranch known as Boyd's, 2 ft. N. of fence, in concrete post; standard tablet stamped "T T 3 G 1936" -----	36 36 28.1	91 08 54.2	2,627
Rd. at fence N. -----	36 36 48.03	91 08 53.24	2,020
Rd. forks E. and NE., near small drain -----	36 37 18.3	91 08 35.5	3,338
T. 23 N., R. 2 W., probable cor. secs. 13, 14, 25, and 24, stone 36 ft. E. of rd. -----	36 38 00.6	91 08 39.9	4,291
U.S.C. & G.S. standard disk stamped "E 68 1934" - Junction of rd. NW. -----	36 38 35.6	91 08 33.5	3,573
Highway, 65 ft. N. of center of gate -----	36 39 03.63	91 08 50.97	3,176
U.S.C. & G.S. standard disk stamped "F 68 1934" - Highway at fence E. -----	36 38 56.4	91 09 25.8	2,932
Riverton, bridge over Eleven Point River, in top of NW. wing wall; standard tablet (set by water-resources branch of U.S. Geol. Survey)-----	36 38 40.0	91 09 57.8	3,088
U.S.C. & G.S. standard disk stamped "G 68 1934" - Highway at rd. W. and fence N. -----	36 38 35.02	91 10 24.84	2,558
T. 23 N., R. 3 W., stone at E. cor. secs. 24 and 25, 230 ft. S. of stone at W. cor. secs. 19 and 30, T. 23 N., R. 2 W. -----	36 38 52.3	91 11 01.0	3,427
T T 90 B 1932 (previously described) -----	36 38 55.38	91 12 03.20	5,075
	36 38 47.11	91 12 59.96	4,701
	36 38 41.5	91 13 36.2	3,007
	36 38 39.2	91 14 02.9	2,189
	36 38 35.57	91 14 15.25	1,072

8. FROM DONIPHAN QUADRANGLE AT SEC. 30, T. 22 N., R. 1 E., WEST TO MYRTLE,
INCLUDING THAT PART OF THE LINE IN ELM STORE, ARKANSAS, AND COUCH
QUADRANGLES (by J. J. Beinlich in 1936)

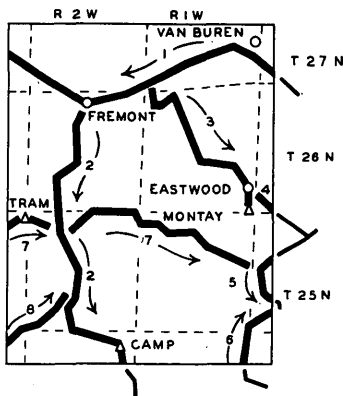
T T 1632 E R A 1935 (In Doniphan quadrangle; see line 9.) -----	36 31 18.31	90 59 42.91	.....
T. 22 N., R. 1 E., quarter cor. between secs. 30 and 31, rd. at fence S. -----	36 31 19.2	91 00 24.8	3,420
T. 22 N., R. 1 E., iron pin at W. cor. secs. 30 and 31, 270 ft. S. of iron pin at E. cor. secs. 25 and 36, T. 22 N., R. 1 W. -----	36 31 19.8	91 01 00.2	2,892
Rd. at rail fence E. on N. side of private lane - Warm Springs, Ark., about 1 mi. N. of, 12 ft. E. of picket fence corner at W. sixteenth cor. sec. 2, T. 21 N., R. 1 W., 26 ft. E. of rd., 16 ft. E. of iron pin on Ark.-Mo. State line, in concrete post; standard tablet stamped "T T 4 G 1936" -----	36 30 19.3	91 01 48.2	7,268
Ark.-Mo. State line, iron pin 6 ft. N. and 22 ft. E. from corner of fences S. and W. -----	36 29 52.61	91 02 59.02	6,379
Corner of wire fence S. and rail fence E., 31 ft. S. and 11 ft. E. from iron pin on Ark.-Mo. State line -----	36 29 52.5	91 03 15.6	1,358
T. 21 N., R. 1 W., quarter cor. between secs. 4 and 5, stone on Ark.-Mo. State line -----	36 29 51.8	91 04 22.2	5,431
Tucker, 4.2 mi. SW. of, by rd., 51 ft. W. of iron pin on Ark.-Mo. State line at E. sixteenth cor. sec. 5, T. 21 N., R. 1 W., 11 ft. N. and 25 ft. W. of NW. corner of Amen Yarger's house, in concrete post; standard tablet stamped "T T 5 G 1936" -----	36 29 51.8	91 05 27.4	5,325
Corner of fences S. and W. -----	36 29 51.70	91 05 44.94	1,433
Rail fence corner N. and W. at wire fence E., 0.2 mi. W. of S. cor. secs. 31 and 32, T. 22 N., R. 1 W. -----	36 30 39.2	91 05 59.4	4,942
T. 22 N., R. 2 W., 437 ft. N. and 420 ft. W. of iron pin at S. sixteenth cor. on E. side sec. 36, 22 ft. N. and 420 ft. W. of rd. corner from S. to W., 105 ft. S. of SE. corner of L. A. Reed's house, in limestone ledge; standard tablet stamped "T T 6 G 1936" -	36 30 26.2	91 06 49.5	4,296
T-rd. W., 0.2 mi. N. of S. cor. secs. 35 and 36, T. 22 N., R. 2 W. -----	36 30 44.37	91 07 39.68	4,489
T-rd. S. -----	36 30 41.0	91 08 40.2	4,949
U.S.C.E. tablet stamped "Memphis Engineer District W V 15 1935" -----	36 30 41.1	91 09 46.2	5,391
T-rd. S., 0.3 mi. N. of S. cor. secs. 33 and 34, T. 22 N., R. 2 W. -----	36 30 46.30	91 10 09.76	1,991
	36 30 44.7	91 10 51.5	3,411

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Crossroads ----- Myrtle, 3 mi. E. of, along County Route H, 26 ft. N. and 42 ft. W. of highway on curve at rd. E. and fence N., 0.2 mi. N. of S. cor. secs. 31 and 32, T. 22 N., R. 2 W., 2 ft. S. and 26 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 7 G 1936" -----	36 30 49.7	91 11 58.8	5,520
County Route H at fence S., 0.2 mi. N. of SW. cor. sec. 31, T. 22 N., R. 2 W. -----	36 30 43.01	91 13 04.68	5,416
T T 93 B 1932 (previously described; see p. 96) -----	36 30 43.6	91 14 04.9	4,919
	36 30 48.04	91 15 10.78	5,393

Magnetic declination 6° 12' E.

VAN BUREN QUADRANGLE
(Latitude 36°45'-37°00'; longitude 91°00'-91°15')

Carter, Oregon, Ripley, and Shannon Counties



1. FROM GRANDIN QUADRANGLE WEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO
LOW WOSSIE, INCLUDING THAT PART OF THE LINE IN BIRCH TREE QUADRANGLE
(by C. R. Fisher in 1924)
(Continued from Grandin quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Chicopee, R.R. at sta. -----	36 59 10.6	91 00 21.6	(7,595)
T. 27 N., R. 1 W., quarter cor. between secs. 24 and 25 -----	36 59 25.5	91 01 04.2	3,768
Van Buren, in SW. corner of courthouse yard; iron post stamped "Prim Trav Sta No 32 F 1924 Mo 475" -----	36 59 40.97	91 00 52.02	1,855
Current River, E. pier of bridge over -----	36 59 32.4	91 01 26.0	2,893
Van Buren, 1.9 mi. W. of, 3 mi. E. of Cummings, 250 ft. W. of St. Louis-San Francisco Ry., 78 ft. S. 15° E. of rd. forks; iron post stamped "Prim Trav Sta No 33 F 1924 Mo 470" ---	36 59 18.35	91 02 19.36	4,553
R.R. at private rd. crossing -----	36 58 36.0	91 02 34.6	4,459
R.R. at private rd. crossing -----	36 58 20.6	91 02 48.1	1,908
R.R. at rd. crossing -----	36 58 18.9	91 03 31.0	3,480
Cummings, 90 ft. N. of St. Louis-San Francisco Ry., 100 ft. E. of abandoned store building, 7 ft. E. of SE. corner of ice house, in lime- stone ledge; standard tablet stamped "Prim Trav Sta No 34 F 1924 Mo 520" -----	36 58 24.72	91 04 29.75	4,806
R.R. at crossing under trestle 348.9 -----	36 58 04.4	91 05 21.1	4,644
Cummings, 2.5 mi. W. of, 25 ft. N. of rd., 70 ft. SW. of George Whittiger's house; iron post stamped "Prim Trav Sta No 35 F 1924 Mo 562" ---	36 57 59.22	91 06 44.69	6,806
R.R. at private rd. crossing -----	36 57 45.5	91 07 01.6	1,952
Busick, R.R. at sta. sign -----	36 57 10.8	91 07 36.4	4,514
R.R. at rd. crossing -----	36 57 12.6	91 08 07.1	2,483
R.R. at rd. crossing -----	36 57 03.8	91 08 50.6	3,650
R.R. at rd. crossing -----	36 57 02.4	91 09 14.6	1,942
Fremont, in E. end of doorsill at entrance to Fremont State Bank; standard tablet stamped "Prim Trav Sta No 36 F 1924 Mo 621" -----	36 57 07.42	91 09 49.21	2,858

Station	Latitude			Longitude			Distance Feet
	°	'	"	°	'	"	
T. 26 N., R. 2 W., stone at center of NW 1/4 sec. 3 -----	36	57	05.9	91	09	44.6	404
R.R. at milepost 343 -----	36	57	17.2	91	10	42.7	4,854
R.R. at private rd. crossing -----	36	58	02.9	91	11	53.9	7,401
Fremont, 2.9 mi. W. of, 4 mi. E. of Low Wossie, 300 ft. W. of T-rd. N., 60 ft. W. of milepost 341, 40 ft. N. of St. Louis-San Francisco Ry. at public rd. crossing; iron post stamped "Prim Trav Sta No 37 F 1924 Mo 735" -----	36	58	30.85	91	12	00.27	2,869
T. 27 N., R. 2 W., W. sixteenth cor. sec. 29 -----	36	58	38.9	91	12	07.2	985
R.R. at rd. crossing on Carter-Shannon county line -----	36	58	49.5	91	13	12.5	5,411
T. 27 N., R. 2 W., W. quarter cor. sec. 30 -----	36	58	40.4	91	13	12.9	929
R.R. at rd. crossing -----	36	59	22.6	91	14	04.1	5,962
R.R. at crossing under trestle 338 -----	36	59	21.9	91	14	28.7	2,000
Low Wossie, 600 ft. W. of post office, 300 ft. W. of St. Louis-San Francisco Ry. sta., 190 ft. N. of R.R. track, on E. side of rd. N., 2 ft. W. of fence; iron post stamped "Prim Trav Sta No 52 1913 Mo 809" -----	36	59	19.95	91	15	28.57	4,860

2. FROM FREMONT SOUTH, BY WAY OF WILDERNESS, INTO GATEWOOD QUADRANGLE AT
SEC. 12, T. 24 N., R. 2 W. (by L. A. Cassil in 1933)

Prim Trav Sta No 36 F 1924 Mo 621 (previously described) -----	36	57	07.42	91	09	49.21	....
U.S. Highway 60 at rd. N. to Fremont -----	36	57	01.1	91	10	03.8	1,342
Junction of rd. S. to Bardley -----	36	57	01.6	91	10	12.4	707
Rd. fork W. -----	36	56	53.6	91	10	16.1	865
Rd. at dwelling of J. R. Snider -----	36	56	12.4	91	10	19.2	4,171
Rd. at fence N. -----	36	56	00.7	91	10	33.7	1,669
Rd. at fence E. -----	36	55	39.3	91	10	45.8	2,377
Fremont, 2.8 mi. SW. of, 0.5 mi. S. of house, 25 ft. W. of Fremont-Wilderness rd. at dim rd. junction, 10 ft. S. of rail fence at upper end of field, in concrete post; standard tablet stamped "89 B 1925" -----	36	55	11.47	91	10	56.40	2,944
Junction of dim rd. W., at top of hill -----	36	54	30.6	91	10	43.1	4,273
Rd. fork SE. -----	36	54	04.4	91	10	25.5	3,015
Rd. fork N. -----	36	53	48.7	91	11	00.0	3,222
Fremont, 5.5 mi. S. of, 410 ft. S. of junction of rd. W., 8 ft. W. of Fremont-Wilderness rd., on top of ridge, in concrete post; standard tablet stamped "90 B 1925" -----	36	53	21.63	91	11	27.63	3,539
T-rd. E. -----	36	52	11.7	91	11	13.6	7,172
Rd. fork N. -----	36	51	22.9	91	11	35.9	5,258
Fremont, 8.4 mi. S. of, about 5 mi. N. of Wilderness, 1.4 mi. S. of crossing of Big Barren Creek, 15 ft. W. of Fremont-Wilderness rd., at junction of rd. SW., in concrete post; standard tablet stamped "91 B 1925" -----	36	51	08.45	91	11	39.75	1,492
Junction of dim rd. E. -----	36	50	35.9	91	11	10.6	4,056
Crossroads -----	36	50	23.9	91	11	03.5	1,346
Rd. fork SE. -----	36	49	48.6	91	10	50.6	3,719
Rd. at fence W. -----	36	49	04.2	91	10	29.8	4,804
Wilderness, 1.8 mi. N. of, 115 ft. W. of rd. N. from crossroads, 45 ft. S. of E.-W. rd., in concrete post; standard tablet stamped "1 B 1926" -----	36	48	36.77	91	10	32.26	2,777
T-rd. NE. -----	36	47	51.6	91	11	07.2	5,379
T-rd. S. -----	36	47	45.4	91	11	20.7	1,262
Wilderness, 0.2 mi. E. of post office, 20 ft. S. and 10 ft. W. of junction of Alton-Fremont and Pine rds., in concrete post; standard tablet stamped "74 B 1925" -----	36	47	19.42	91	11	31.24	2,767
T-rd. W. -----	36	47	06.0	91	11	05.7	2,480
Rd. at creek crossing -----	36	46	42.6	91	10	42.9	3,010
Rd. fork SE. -----	36	46	34.0	91	10	13.7	2,533
Rd. fork SW. -----	36	46	27.5	91	09	49.7	2,061
Wilderness, 3.1 mi. SE. of post office, 125 ft. NW. of Pine-Wilderness rd. at small creek crossing, 55 ft. NW. of old tramway, 11 ft. S. of triangular-blazed 7-in. red-oak tree, 4 ft. S. of large triangular-shaped boulder, in rock outcrop; standard tablet stamped "75 B 1925" -----	36	46	30.49	91	08	55.01	4,457
Junction of dim rd. SW. -----	36	46	30.1	91	08	43.8	910
Rd. at abandoned tramway -----	36	46	15.5	91	08	06.7	3,362
Camp triangulation sta.; U.S.C. & G.S. standard disk stamped "Camp" -----	36	45	47.00	91	07	51.09	3,148

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Wilderness, 5.6 mi. SE. of, 1.4 mi. W. and 2.5 mi. N. of Pine, 258 ft. NW. of junction of Pine-Wilderness and Handy rds., 8 ft. W. of Pine-Wilderness rd., in top of large boulder; standard tablet stamped "1 C 1933"* -----	36 45 11.98	91 07 13.77	4,666

(Continued in Gatewood quadrangle; see line 2.)

3. FROM POINT 2.5 MILES WEST OF CUMMINGS SOUTHEAST TO POINT 0.4 MILE SOUTH OF EASTWOOD (by C. W. Williams in 1935)

Prim Trav Sta No 35 F 1924 Mo 562 (previously described) -----	36 57 59.22	91 06 44.69	.....
Junction of dim rd. W. -----	36 57 36.3	91 06 37.9	2,379
Rd. at dim rd. forks SW. and NE. -----	36 56 58.8	91 06 51.2	3,955
U.S. Highway 60 at dim rd. N. -----	36 56 48.5	91 06 14.0	3,201
T. 26 N., R. 1 W., probable quarter cor. between secs. 5 and 6, cross in vertical face of rock- cut on U.S. Highway 60 right-of-way -----	36 56 52.0	91 05 44.8	2,392
Van Buren, 5.3 mi. W. of, along U.S. Highway 60, in NE 1/4 sec. 5, T. 26 N., R. 1 W., 95 ft. S. and 60 ft. W. of junction of highway and rd. S. to Lewis Cave, 95 ft. S. of W. end of highway bridge, in concrete post; standard tablet stamped "T T 1615 E R A 1935" -----	36 57 02.70	91 05 00.46	3,761
Rd. at fence W. -----	36 56 14.4	91 04 49.0	4,970
Rd. at rail fence W. -----	36 56 01.7	91 04 34.3	1,755
Rd. at triangular-blazed 15-in. black-oak tree -- Forest Service poster marked "14 chains E. to cor. secs. 15, 16, 21, and 22, T. 26 N., R. 1 W. -----	36 55 01.3	91 04 02.4	6,646
Rd. fork SW. -----	36 54 48.5	91 03 50.9	1,594
Eastwood, 2.3 mi. W. of, along old rd., 4.8 mi. S. of junction of U.S. Highway 60 and County Route C, in SE 1/4 sec. 21, T. 26 N., R. 1 W., 25 ft. N. and 75 ft. E. of junction of County Route C and old Eastwood rd., 15 ft. W. of triangular-blazed 14-in. white-oak tree, in concrete post; standard tablet stamped "T T 1616 E R A 1935" -----	36 54 11.5	91 03 48.8	3,746
Junction of dim rd. S. -----	36 54 06.23	91 03 40.93	833
T. 26 N., R. 1 W., S. sixteenth cor. between secs. 22 and 23, rd. at fence N. -----	36 54 02.1	91 03 07.4	2,758
Crossroads -----	36 54 05.5	91 02 31.4	2,940
Eastwood, rd. at S. side of store building -----	36 53 53.1	91 01 59.3	2,897
Montay triangulation sta.; U.S.C. & G.S. standard disk stamped "Montay" -----	36 53 27.1	91 02 00.0	2,626
	36 53 16.24	91 01 55.71	2,142

4. FROM SEC. 26, T. 26 N., R. 1 W., SOUTHEAST INTO GRANDIN QUADRANGLE AT SEC. 6, T. 25 N., R. 1 E. (by C. W. Williams in 1935)

Crossroads (previously described) -----	36 53 53.1	91 01 59.3	.....
T. 26 N., R. 1 W., approximate cor. secs. 23, 24, 25, and 26, T-rd. S. -----	36 53 53.9	91 01 26.6	2,657
T-rd. W. -----	36 53 34.1	91 01 27.3	2,000
Junction of dim rd. NW. -----	36 53 16.6	91 01 08.0	2,365
Rd. fork SW. -----	36 52 53.2	91 00 54.8	2,600
Eastwood, 3.5 mi. SE. of, in NE 1/4 SW 1/4 sec. 31, T. 26 N., R. 1 E., 12 ft. N. (? S.) and 44 ft. W. of Barren Creek rd. at dim crossroad, at foot of long hill, in concrete post; standard tablet stamped "T T 1617 E R A 1935" -	36 52 14.82	91 00 14.70	5,065

(Continued in Grandin quadrangle; see line 5.)

5. FROM GRANDIN QUADRANGLE AT SEC. 7, T. 25 N., R. 1 E., SOUTH INTO GRANDIN QUADRANGLE AT SEC. 19, T. 25 N., R. 1 E. (by C. W. Williams in 1935)

(Continued from Grandin quadrangle; see line 6.)

T. 25 N., R. 1 W., E. cor. secs. 12 and 13, pile of rocks, 245 ft. N. of pile of rocks at W. cor. secs. 7 and 18, T. 25 N., R. 1 E. -----	36 50 07.6	91 00 26.7	(4,339)
Short, 2.5 mi. N. of post office, 0.9 mi. N. of Carter-Ripley county line, 330 ft. E. of rd. junction, 60 ft. N. of rd., on E. bank of Big Barren Creek, at foot of hill, 5 ft. W. of large boulder, in limestone ledge; standard tablet stamped "83 B 1925" -----	36 49 47.63	91 01 03.68	3,619
T. 25 N., R. 1 W., E. cor. secs. 13 and 24, pile of rocks -----	36 49 26.8	91 00 28.5	3,556

* This tablet is set in same drill hole as old tablet stamped "76 B 1925" which had been destroyed.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Big Barren Church, rd. at SW. side of -----	36 49 01.6	91 00 20.0	2,638
T-rd. SW. -----	36 48 45.5	91 00 13.6	1,710

(Continued in Grandin quadrangle; see line 6.)

6. FROM GATEWOOD QUADRANGLE AT SEC. 12, T. 24 N., R. 1 W., NORTHEAST INTO GRANDIN QUADRANGLE AT SEC. 30, T. 25 N., R. 1 E. (by C. W. Williams in 1935)

(Continued from Gatewood quadrangle; see line 4.)

Bennett, 2.5 mi. NW. of, in NE 1/4 sec. 12, T. 24 N., R. 1 W., on top of divide between Buffalo and Little Barren Creeks, 190 ft. S. of rd. forks, 45 ft. W. of rd. SE., in top of granite boulder; standard tablet stamped "81 B 1925" -----	36 45 37.27	91 00 56.30	(5,189)
Rd. forks -----	36 46 35.0	91 00 57.9	5,837
Rd. forks -----	36 47 14.6	91 00 16.2	5,248
82 B 1925 (In Grandin quadrangle; see line 6.) --	36 47 51.97	90 59 36.78	4,959

7. FROM SEC. 3, T. 25 N., R. 3 W., EAST TO POINT 2.5 MILES NORTH OF SHORT, INCLUDING THAT PART OF THE LINE IN BIRCH TREE QUADRANGLE (by C. W. Williams in 1935)

Four-in. hickory tree, 20 ft. W. of rd., Forest Service poster marked "29 Ch. S. to SE. cor. sec. 3, T. 25 N., R. 3 W." -----	36 51 39.5	91 15 44.7	.....
Eight-in. black-oak tree, 105 ft. S. and 100 ft. W. from dim T-rd. S., Forest Service poster marked "approximate cor. secs. 1, 2, 11, and 12, T. 25 N., R. 3 W." -----	36 51 17.7	91 14 29.3	6,515
Tram triangulation sta.; U.S.C. & G.S. standard disk stamped "Tram" -----	36 51 42.65	91 13 57.09	3,638
T-rd. W. -----	36 51 36.4	91 13 25.2	2,662
Rd. at dim rd. S., on top of hill -----	36 51 05.5	91 12 35.7	5,225
Twelve-in. post-oak tree, Forest Service poster marked "approximately 10 ch. S. of cor. secs. 5, 6, 7, and 8, T. 25 N., R. 2 W." -----	36 51 09.7	91 12 20.3	1,166
Rd. forks -----	36 51 14.2	91 12 03.1	1,470
T-rd. W. -----	36 51 17.3	91 11 36.9	2,157
91 B 1925 (previously described) -----	36 51 08.45	91 11 39.75	927
Rd. at N. side of hospital building in C.C.C. Camp -----	36 51 20.3	91 11 36.4	1,227
Rd. at W. side of schoolhouse -----	36 52 05.4	91 10 26.6	7,280
Rd. forks -----	36 51 59.4	91 09 53.0	2,790
T. 26 N., R. 2 W., S. sixteenth cor. between secs. 34 and 35, 38 ft. N. and 28 ft. W. of T-rd. S., 44 ft. N. of rail fence, in concrete post; standard tablet stamped "T T 1619 E R A 1935" -----	36 52 18.83	91 09 02.60	4,544
Rd. at fence N. -----	36 52 15.6	91 08 20.4	3,448
Dim rd. forks -----	36 52 18.4	91 07 52.5	2,280
Rd. forks -----	36 51 59.8	91 07 34.4	2,386
T. 25 N., R. 2 W., in NE 1/4 SW 1/4 sec. 1, 75 ft. W. of rd. corner from NW. to E., about 350 ft. N. of Albert Brawley's house, 14 ft. N. and 2 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 1620 E R A 1935" -----	36 51 35.84	91 07 21.94	2,628
Rd. forks -----	36 51 46.2	91 06 58.9	2,150
Six-in. walnut tree, 8 ft. N. of rd., Forest Service poster marked "68 ch. N. of W. cor. secs. 6 and 7, T. 25 N., R. 1 W." -----	36 51 47.4	91 06 51.2	635
Rd. at fence NE. -----	36 51 22.3	91 06 14.2	3,933
T. 25 N., R. 1 W., cor. secs. 5, 6, 7, and 8, pile of rocks -----	36 51 09.5	91 05 48.6	2,448
T. 25 N., R. 1 W., in NW 1/4 SE 1/4 sec. 5, 20 ft. N. and 42 ft. W. of rd. corner from W. to S., 2 ft. S. and 18 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 1621 E R A 1935" -----	36 51 22.61	91 05 16.28	2,939
Crossroads -----	36 51 36.4	91 04 30.0	4,013
Eight-in. linden tree, Forest Service poster marked "3 ch. E. to cor. secs. 3, 4, 9, and 10, T. 25 N., R. 1 W." -----	36 51 04.7	91 03 41.3	5,097
Junction of rd. W. -----	36 50 38.7	91 03 47.8	2,682
T. 25 N., R. 1 W., quarter cor. between secs. 9 and 10, pile of rocks -----	36 50 41.0	91 03 39.6	706
Rd. at fence S. along W. side of lane -----	36 50 38.7	91 03 07.6	2,618
Rd. at fence S. -----	36 50 46.5	91 02 34.6	2,787
Hickory Grove School, in SW 1/4 sec. 11, T. 25 N., R. 1 W., 243 ft. N. and 60 ft. W. of rd. forks, 76 ft. S. and 27 ft. E. of SE. corner of schoolhouse, in concrete post; standard tablet stamped "T T 1631 E R A 1935" -	36 50 35.87	91 02 21.10	1,535

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 25 N., R. 1 W., quarter cor. between secs. 11 and 14, iron post near E.-W. fence -----	36 50 12.3	91 02 03.5	2,778
Rd. at fence S. -----	36 49 53.5	91 01 29.8	3,333
83 B 1925 (previously described) -----	36 49 47.63	91 01 03.68	2,208

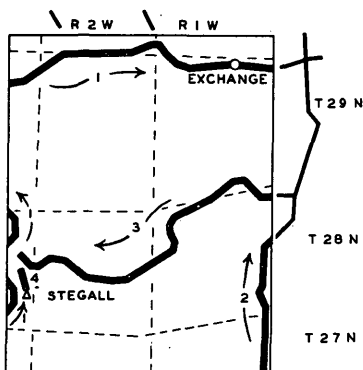
8. FROM SEC. 3, T. 24 N., R. 3 W., NORTHEAST TO POINT 0.2 MILE EAST OF WILDERNESS, INCLUDING THAT PART OF THE LINE IN BIRCH TREE QUADRANGLE (by J. J. Beinlich in 1936)

Turners Mill, 0.3 mi. E. of, 5 mi. W. of Wilderness, 150 ft. NW. of Surprise School, at foot of N. bluff of Eleven Point River Valley, 20 ft. N. and 10 ft. above rd., in top of limestone ledge, 5 in. N. of face; standard tablet stamped "72 B 1925" (see Bull. 916-B, p. 133)	36 45 53.85	91 15 49.90	.....
Rd. fork E. (see Bull. 916-B, p. 133). Wilderness, 2.9 mi. W. of, 67 ft. SW. of junction of Surprise-Wilderness and Alton rds., 22 ft. NW. of rd. to Surprise, in top of boulder; standard tablet stamped "73 B 1925" -----	36 45 57.6	91 14 52.9	4,653
T-rd. N. -----	36 46 34.12	91 14 10.09	5,078
Fifteen-in. post-oak tree, Forest Service poster marked "approximate NW. cor. sec. 6, T. 24 N., R. 2 W." -----	36 46 50.3	91 13 46.0	2,552
Twenty-four-in. post-oak tree painted "U S B M 853.6" -----	36 46 56.0	91 13 49.4	645
Rd. at fences E. and W. -----	36 46 43.0	91 13 11.5	3,277
Fourteen-in. black-oak tree painted "U S B M 908.4", 13 ft. N. and 17 ft. W. from T-rd. ----	36 46 54.9	91 12 44.3	2,434
T-rd. S. -----	36 47 08.4	91 12 43.9	1,363
T. 25 N., R. 2 W., quarter cor. between secs. 31 and 32, rd. corner from S.-E. and dim rd. W. --	36 47 07.2	91 12 02.0	3,409
74 B 1925 (previously described) -----	36 47 20.0	91 11 54.3	1,441
	36 47 19.42	91 11 31.24	1,878

Magnetic declination 6° 09' E.

CARDAREVA QUADRANGLE
(Latitude 37°00'-37°15'; longitude 91°00'-91°15')

Carter, Reynolds, and Shannon Counties



1. FROM SEC. 35, T. 28 N., R. 3 W., NORTH TO SEC. 1, T. 29 N., R. 3 W., THENCE EAST INTO RUBLE QUADRANGLE AT SEC. 1, T. 29 N., R. 1 W. (by E. L. McNair in 1913)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 28 N., R. 3 W., S. cor. secs. 34 and 35, 16 ft. W. of N. cor. secs. 2 and 3, T. 27 N., R. 3 W. (in Eminence quadrangle) -----	37 02 38.3	91 15 16.4	.....
T. 28 N., R. 3 W., in NW 1/4 sec. 35, top of small stump, 10 ft. W. of rd. on top of divide above Rocky Creek -----	37 03 28.4	91 14 50.4	5,484
T. 28 N., R. 3 W., cor. secs. 22, 23, 26, and 27 (in Eminence quadrangle) -----	37 04 23.0	91 15 13.5	5,828

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T-rd. W. -----	37 05 03.9	91 14 56.2	4,373
Rd. forks in SW 1/4 sec. 14, T. 28 N., R. 3 W. --	37 05 27.9	91 14 32.8	3,070
Rd. at fence W., on line between secs. 11 and 14, T. 28 N., R. 3 W. -----	37 06 06.9	91 14 47.1	4,118
Rd. at lane W. -----	37 06 33.7	91 14 54.2	2,767
T. 28 N., R. 3 W., cor. secs. 2, 3, 10, and 11 (in Eminence quadrangle) -----	37 07 00.3	91 15 09.7	2,965
Blazed elm tree, 100 ft. N. of bank of Current River at ford (in Eminence quadrangle) -----	37 11 10.6	91 15 44.8	.....
Rd. forks, in sec. 14, T. 29 N., R. 3 W. -----	37 10 51.0	91 14 36.7	5,856
Blazed oak tree in Blair Creek-Current River rd., in SE 1/4 sec. 11, T. 29 N., R. 3 W., 150 ft. S. of top of hill -----	37 11 36.9	91 14 16.5	4,917
T. 29 N., R. 3 W., cor. secs. 1, 2, 11, and 12 -- Simpson School, blazed oak tree 62 ft. S. 52° W. of SW. corner of -----	37 12 09.6	91 13 57.8	3,638
T. 29 N., R. 3 W., on line between secs. 1 and 2, on E. bank of Blair Creek, about 300 ft. below dwelling of T. M. Mooney -----	37 12 28.6	91 14 02.1	1,955
Tps. 29 and 30 N., Rs. 2 and 3 W., about 0.3 mi. S. of cor. of, 500 ft. N. 40° E. of J. P. Knuckle's house, 8 ft. W. of rd., 1 ft. W. of fence; iron post stamped "Prim Trav Sta No 54 1913 Mo 717" -----	37 13 16.1	91 13 57.0	4,822
Tps. 29 and 30 N., Rs. 2 and 3 W., approximate cor. of -----	37 14 11.80	91 12 51.90	7,711
Blazed, 24-in. white-oak tree, on top of ridge, 25 ft. S. of old rd. -----	37 14 27.9	91 12 50.7	1,635
Blazed 12-in. oak tree, 60 ft. W. of dim rd. -----	37 14 07.9	91 11 38.3	6,196
forks, 10 ft. S. of old rd. -----	37 14 22.3	91 10 25.8	6,043
Blazed 12-in. oak tree, 40 ft. N. of old rd. -----	37 14 13.4	91 09 42.5	3,613
Blazed white-oak tree, 1 ft. S. of old rd. -----	37 14 03.4	91 08 43.5	4,879
Blazed 12-in. oak tree, 20 ft. E. of old rd. -----	37 14 12.2	91 08 10.9	2,779
Blazed 14-in. oak tree, 10 ft. S. of rd. -----	37 14 24.8	91 07 22.5	4,116
T. 30 N., R. 2 W., 0.2 mi. W. and 490 ft. N. of SE. cor. sec. 36, 44 ft. N. 35° E. of NE. corner of Mr. George's house, at corner of yard fence; iron post stamped "Prim Trav Sta No 55 1913 Mo 811" -----	37 14 28.32	91 06 32.92	4,025
T. 30 N., R. 2 W., SE. cor. sec. 36 -----	37 14 23.5	91 06 17.8	1,317
Blazed 15-in. oak tree, in sec. 5, T. 29 N., R. 1 W., 75 ft. N. 25° W. of NW. corner of church -----	37 13 55.4	91 04 55.4	7,240
Blazed hickory tree, in sec. 4, T. 29 N., R. 1 W., 600 ft. S. of dwelling, rd. corner N.-E. -----	37 13 42.5	91 03 15.4	8,194
Exchange, 70 ft. W. of post office and store, large walnut tree in front of dwelling -----	37 13 37.8	91 01 58.0	6,276
Blazed 20-in. oak tree, 5 ft. S. of rd. -----	37 13 53.4	91 00 37.7	6,684

(Continued in Ruble quadrangle; see line 1.)

2. FROM VAN BUREN QUADRANGLE AT SEC. 24, T. 27 N., R. 1 W., NORTH INTO
RUBLE QUADRANGLE AT SEC. 13, T. 28 N., R. 1 W. (by C. R. Fisher in 1924)

Prim Trav Sta No 32 1924 Mo 475 (In Van Buren quadrangle; see line 1.) -----	36 59 40.97	91 00 52.02	.....
Rd. forks -----	37 00 10.6	91 00 42.3	3,098
T. 27 N., R. 1 W., quarter cor. between secs. 13 and 24 -----	37 00 29.2	91 00 41.6	1,880
Rd. forks -----	37 01 12.5	91 00 40.9	4,387
Van Buren, 2.5 mi. N. of, 340 ft. S. of rd. forks, 100 ft. E. of rd., on top of ridge, in large rock; standard tablet stamped "Prim Trav Sta No 38 F 1924 Mo 790" -----	37 01 41.24	91 00 41.15	2,905
Rd. forks -----	37 02 11.8	91 00 42.2	3,098
Rd. forks -----	37 02 37.6	91 00 29.1	2,814
Clear Spring School, 280 ft. S. of, 100 ft. W. of rd., 30 ft. N. of Chilton's yard fence, in limestone ledge; standard tablet stamped "Prim Trav Sta No 39 F 1924 Mo 555" -----	37 03 36.96	91 00 59.99	6,500
T. 28 N., R. 1 W., cor. secs. 25, 26, 35, and 36 --	37 03 59.6	91 01 06.9	2,360
Rd. forks -----	37 04 05.8	91 00 45.7	1,830
Junction of rd. to dwelling -----	37 05 10.6	91 00 15.7	6,994
Rd. forks -----	37 05 35.7	91 00 06.4	2,638

(Continued in Ruble quadrangle; see line 2.)

3. FROM RUBLE QUADRANGLE AT SEC. 1, T. 28 N., R. 1 W., WEST TO SEC. 11,
T. 28 N., R. 3 W. (by C. R. Fisher in 1924)
(Continued from Ruble quadrangle; see line 3.)

Rd. forks -----	37 08 29.7	91 00 39.5	(4,912)
-----------------	------------	------------	---------

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 28 N., R. 1 W., in NW 1/4 NW 1/4 sec. 1, 1.5 mi. W. of Pine Valley School, on top of divide between Pine Valley and Little Paint Rock Creeks, 30 ft. W. of rd. crossing, in large rock; standard tablet stamped "Prim Trav Sta No 45 F 1924 Mo 892" -----	37 08 33.43	91 00 52.98	1,158
Tps. 28 and 29 N., R. 1 W., cor. secs. 1, 2, 35, and 36 -----	37 08 35.9	91 01 00.3	641
Rd. forks -----	37 08 46.0	91 01 50.9	4,230
Rd. forks -----	37 08 40.1	91 02 45.3	4,449
Rd. forks -----	37 08 19.4	91 03 18.8	3,425
T. 28 N., R. 1 W., in NW 1/4 sec. 4, 200 ft. N. of mouth of Paint Rock Creek, 10 ft. N. of rd., in limestone ledge; standard tablet stamped "Prim Trav Sta No 46 F 1924 Mo 532" -----	37 07 49.54	91 04 05.59	4,852
Corner of board fence N. of rd., 75 ft. N. of chimney -----	37 07 38.3	91 04 45.3	3,412
Center of gate -----	37 07 25.2	91 05 06.6	2,182
Rd. forks -----	37 07 13.8	91 05 46.9	3,460
T. 28 N., R. 1 W., quarter cor. between secs. 6 and 7 -----	37 06 51.6	91 05 58.1	2,427
Beal, 200 ft. SW. of post office, 30 ft. S. of picket fence, in large boulder; standard tablet stamped "Prim Trav Sta No 47 F 1924 Mo 559" ---	37 06 47.34	91 05 49.06	849
Rd. forks -----	37 06 23.1	91 05 21.6	3,306
Rd. forks -----	37 06 05.3	91 05 17.5	1,833
Blazed 14-in. oak tree -----	37 05 32.8	91 06 00.6	4,798
T. 28 N., R. 2 W., E. cor. secs. 13 and 24, on Carter-Shannon county line -----	37 05 02.5	91 06 35.1	4,155
Blazed 16-in. oak tree, near rd. -----	37 04 46.8	91 07 57.0	6,828
T. 28 N., R. 2 W., in SW 1/4 sec. 23, 300 ft. NE. of junction of Black Oak Hollow and Rogers Creek, 20 ft. N. of rd., in large boulder; standard tablet stamped "Prim Trav Sta No 48 F 1924 Mo 678" -----	37 04 26.14	91 08 23.52	3,003
Blazed 20-in. oak tree -----	37 04 17.2	91 09 32.9	5,698
T. 28 N., R. 2 W., in SE 1/4 sec. 21, 0.5 mi. NE. of Mr. Osborne's house, 30 ft. NW. of rd. forks, in large rock; standard tablet stamped "Prim Trav Sta No 49 F 1924 Mo 743" -----	37 04 32.21	91 10 03.79	2,931
Rd. forks -----	37 04 54.8	91 10 42.4	3,873
Rd. forks on divide between Rocky Creek and Rogers Creek -----	37 05 06.6	91 11 21.8	3,413
Rd. forks -----	37 05 38.1	91 12 04.2	4,685
Rocky Creek Falls, 300 ft. NE. of, 15 ft. S. of rd., in large boulder; standard tablet stamped "Prim Trav Sta No 50 F 1924 Mo 737" -----	37 05 40.33	91 12 29.90	2,095
Rd. forks -----	37 05 12.1	91 13 09.0	4,263
Rd. forks -----	37 05 24.7	91 14 06.5	4,830
T. 28 N., R. 3 W., quarter cor. between secs. 13 and 14 -----	37 05 39.3	91 14 06.2	1,482
Shawnee, about 3 mi. S. of post office, 180 ft. W. of J. G. Jones' house, 140 ft. N. of rd., in large granite boulder; standard tablet stamped "Prim Trav Sta No 51 F 1924 Mo 846" ---	37 05 30.16	91 14 28.92	2,062
Rd. forks -----	37 06 04.9	91 14 48.5	3,860
Reed School, T-rd. W. -----	37 06 53.4	91 14 54.4	4,930
Prim Trav Sta No 53 1913 Mo 830 (in Eminence quadrangle) -----	37 07 16.54	91 15 38.42	4,267

4. FROM STEGALL MOUNTAIN NORTH TO ROCKY CREEK FALLS (by G. L. Krattler
in 1934)

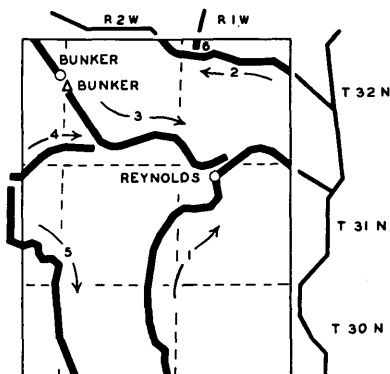
Stegall triangulation sta.; U.S.C. & G.S. standard disk stamped "Stegall" -----	37 04 29.47	91 12 18.22	.....
Stegall azimuth mark; U.S.C. & G.S. standard reference disk -----	37 04 57.28	91 12 17.68	2,815
Prim Trav Sta No 50 F 1924 Mo 737 (previously described) -----	37 05 40.33	91 12 29.90	4,467

Magnetic declination in 1925, 6° E.

TRANSIT TRAVERSE IN MISSOURI

CORRIDON QUADRANGLE
(Latitude 37°15'-37°30'; longitude 91°00'-91°15')

Dent, Reynolds, and Shannon Counties



1. FROM CARDAREVA QUADRANGLE AT SEC. 36, T. 30 N., R. 2 W., NORTH TO REYNOLDS, THENCE EAST ALONG STATE HIGHWAY 72 INTO REDFORD QUADRANGLE (by W. R. Broadbuss in 1931)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Prim Trav Sta No 55 1913 Mo 811 (In Cardareva quadrangle; see line 1.) -----	37 14 28.32	91 06 32.92	.....
Rd. at blazed tree, near rd. corner -----	37 15 15.2	91 06 24.6	4,787
Rd. in line with N.-S. lane in front of Lone Cedar School -----	37 15 52.6	91 07 05.3	5,016
Rd. at blazed tree -----	37 16 15.5	91 06 48.2	2,696
Dagonia, 2.8 mi. S. of, near center of NW 1/4 sec. 24, T. 30 N., R. 2 W., in rd. jog around James Mooney's house, 110 ft. S. of County Route B, 26 ft. S. of front gate, at W. edge of concrete walk, 7 ft. N. of step; standard tablet stamped "133 M 1931 855" -----	37 16 45.81	91 07 09.52	3,517
T. 30 N., R. 2 W., cor. secs. 13, 14, 23, and 24, blazed black-gum tree -----	37 16 59.9	91 07 21.7	1,730
Rd. in front of store of A. J. Ferguson -----	37 17 33.1	91 07 45.3	3,859
Dagonia School, center of front of -----	37 18 46.4	91 07 36.7	7,450
Dagonia, 0.5 mi. N. of, near center of E 1/2 sec. 2, T. 30 N., R. 2 W., 42 ft. W. of rd. fork NW., 28 ft. N. of ford, in concrete post; standard tablet stamped "134 M 1931" * -----	37 19 09.30	91 07 32.54	2,336
Rd. corner -----	37 19 55.6	91 07 13.0	4,947
Center of small bridge -----	37 20 10.4	91 07 13.1	1,496
Rd. in front of dwelling of G. L. Warren -----	37 20 26.6	91 07 21.3	1,762
Rd. at junction of private lane W. to farmhouse-----	37 21 06.0	91 07 23.0	3,988
Dagonia, 3.3 mi. N. of, in SE 1/4 sec. 23, T. 31 N., R. 2 W., 65 ft. S. and 100 ft. W. of NE. vertex of rd. forks, 50 ft. S. of T-rd. W., near R. E. Patterson's house, in concrete post; standard tablet stamped "135 M 1931 967" -----	37 21 30.51	91 07 19.68	2,489
Radford School, center of S. door of -----	37 22 15.1	91 06 52.3	5,025
Blazed 30-in. oak tree, in NE 1/4 sec. 13, T. 31 N., R. 2 W., 40 ft. S. of E.-W. rd. -----	37 22 50.0	91 06 23.4	4,230
Rd. fork N. at triangular-blazed tree -----	37 22 43.5	91 05 37.3	3,780
Corridor, 60 ft. NW. of Missouri Southern R.R. sta., in SW 1/4 NE 1/4 sec. 17, T. 31 N., R. 1 W., 28 ft. S. and 33 ft. W. of rd. crossing, 28 ft. S. and 12 ft. E. of T-rd. N., in concrete post; standard tablet stamped "136 M 1931 1215" -----	37 22 54.43	91 04 22.56	6,129
Honolulu School, center of front door -----	37 23 31.9	91 04 27.8	3,814
Reynolds, Missouri Southern R.R. at sta. -----	37 24 01.6	91 04 23.3	3,027
State Highway 72 at blazed 12-in. oak tree, about 1 mi. N. of Reynolds -----	37 24 39.2	91 03 36.6	5,355
Reynolds, 2 mi. NE. of, on State Highway 72, near N. cor. secs. 3 and 4, T. 31 N., R. 1 W., 500 ft. NE. of small dwelling S. of highway, 68 ft. N. of highway, in concrete post; standard tablet stamped "137 M 1931 1174" -----	37 25 04.27	91 02 51.86	4,404

* Reported destroyed by Oliver G. Johnson, July 28, 1938.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Blazed 14-in. oak tree, 90 ft. N. and 55 ft. W. from State Highway 72 at rd. N., 20 ft. NW. of old rd. -----	37 25 20.0	91 02 22.6	2,851
State Highway 72 at rd. N. -----	37 25 29.9	91 01 41.2	3,484
State Highway 72 at blazed 18-in. oak tree -----	37 25 21.2	91 00 49.2	4,282
State Highway 72 at blazed 10-in. oak tree -----	37 24 51.2	91 00 40.9	3,109
Reynolds, 5.1 mi. NE. of, 3.3 mi. SW. of Centerville, along Brooks Hollow rd., in W. part of SE 1/4 sec. 1, T. 31 N., R. 1 W., 50 ft. S. of State Highway 72 at Brooks Hollow rd., in concrete post; standard tablet stamped "138 M 1931 1069" -----	37 24 34.26	91 00 11.36	2,936

(Continued in Redford quadrangle; see line 5.)

2. FROM REDFORD QUADRANGLE AT SEC. 13, T. 32 N., R. 1 W., WEST INTO BOSS QUADRANGLE AT SEC. 2, T. 32 N., R. 2 W. (by C. D. Craig in 1934)
(Continued from Redford quadrangle; see line 6.)

SW. corner of dwelling of Cleve Barton -----	37 29 17.6	91 00 42.6	(6,055)
Centerville, 7.2 mi. NW. of, along rd. to West Fork, in NE 1/4 NE 1/4 sec. 10, T. 32 N., R. 1 W., 50 ft. S. and 172 ft. W. of SW. corner of O. J. Cook's house, 3 ft. S. and 4 ft. W. from NW. corner of barnyard, 12 ft. S. of rd., in concrete post; standard tablet stamped "T T 369 C W A 1934 824" -----	37 29 22.13 37 29 18.7 37 29 24.3	91 01 49.45 91 03 02.6 91 03 42.0	5,412 5,908 3,224
SE. corner of dwelling on old Mullin farm -----			
Centerville, 10.4 mi. NW. of, along rd. to West Fork, in NE 1/4 NE 1/4 sec. 5, T. 32 N., R. 1 W., about 200 ft. N. of E. bank of West Fork of Black River at present ford, 8 ft. N. and 100 ft. W. of SW. corner of N. house on Cleve Barton's farm, 5 ft. NW. of wire fence, in concrete post; standard tablet stamped "T T 368 C W A 1934 861" -----	37 29 46.32 37 29 46.6 37 29 51.7	91 03 59.55 91 04 17.4 91 04 45.7	2,642 1,441 2,335
Mail box of C. Schick -----			
NE. corner of dwelling of W. J. Sutterfield -----			
West Fork, 1 mi. E. of post office, near center sec. 6, T. 32 N., R. 1 W., 10 ft. N. and 20 ft. E. of SE. corner of board fence around Sutterfield schoolyard, 20 ft. NW. of rd., in concrete post; standard tablet stamped "T T 367 C W A 1934 903" -----	37 29 37.41 37 29 32.8 37 29 59.4	91 05 39.43 91 06 35.0 91 07 12.2	4,565 4,505 4,022
West Fork post office, W. corner of -----			
SE. corner of dwelling of S. G. Brook -----			
West Fork, 1.6 mi. NW. of post office, near center of N 1/2 sec. 6, T. 32 N., R. 2 W., 20 ft. N. and 9 ft. W. of West Fork rd. at fence N., 9 ft. W. of fence corner at SE. corner of apple orchard, in concrete post; standard tablet stamped "T T 366 C W A 1934 937" -----	37 29 46.61	91 07 51.88	3,448

(Continued in Boss quadrangle; see line 6.)

3. FROM BOSS QUADRANGLE SOUTHEAST ALONG STATE HIGHWAY 72 TO SEC. 3, T. 31 N., R. 1 W. (by C. W. Williams in 1935)

T T 361 C W A 1934 1328 (In Boss quadrangle; see line 5.) -----	37 30 19.59	91 14 48.19	.....
T. 32 N., R. 3 W., approximate quarter cor. between secs. 1 and 2, Forest Service poster on 10-in. post-oak tree -----	37 29 48.7 37 29 33.5 37 29 09.28 37 28 39.4	91 13 55.1 91 13 39.8 91 13 28.82 91 13 08.2	5,302 1,968 2,602 3,448
Junction of rd. NE. -----			
U.S.C. & G.S. standard disk stamped "J 115 1935" -----			
Highway at approaches E. and W. -----			
T. 32 N., R. 3 W., approximate E. cor. secs. 12 and 13, Forest Service poster on corner post of fences S. and E. -----	37 28 23.4 37 27 44.5	91 12 47.9 91 12 41.3	2,301 3,973
Bunker, at N. limits of, crossroad -----			
Bunker triangulation sta.; U.S.C. & G.S. standard disk stamped "Bunker" -----	37 27 19.20 37 27 18.4 37 27 01.9	91 12 39.29 91 12 33.0 91 12 04.3	2,566 511 2,851
Junction of County Route A -----			
Junction of rd. SE. -----			
Highway at fences E. and W. on line between secs. 19 and 30, T. 32 N., R. 2 W. -----	37 26 38.0 37 26 27.67 37 26 06.4	91 11 56.0 91 11 48.38 91 11 21.1	2,517 1,208 3,079
U.S.C. & G.S. standard disk stamped "G 115 1935" -----			
Missouri Southern R.R. at rd. crossing -----			
T. 32 N., R. 2 W., center of S 1/2 sec. 29, pile of rocks -----	37 25 58.7	91 11 06.5	1,412

Station	Latitude	Longitude	Distance
U.S.C. & G.S. standard disk stamped "F 115 1935"-	37 25 41.87	91 10 44.54	2,456
Missouri Southern R.R. at rd. crossing -----	37 25 21.4	91 10 15.3	3,140
Hobart, center of main track of Missouri Southern			
R.R. at main switch block -----	37 25 09.0	91 09 24.2	4,305
U.S.C. & G.S. standard disk stamped "E 115 1935"-	37 25 31.52	91 08 49.68	3,595
T. 32 N., R. 2 W., center of NW 1/4 sec. 35,			
pile of rocks -----	37 25 30.2	91 08 05.8	3,545
T. 32 N., R. 2 W., center of N 1/2 sec. 35, stone			
at fence corner N.-E. -----	37 25 29.6	91 07 49.7	1,295
Missouri Southern R.R. at fence S. -----	37 25 28.8	91 07 16.8	2,655
U.S.C. & G.S. standard disk stamped "D 115 1935"-	37 25 29.49	91 06 42.66	2,756
Missouri Southern R.R. at rd. crossing -----	37 24 58.1	91 05 57.1	4,854
U.S.C. & G.S. standard disk stamped "C 115 1935"-	37 24 25.35	91 05 01.64	5,569
U.S.C. & G.S. standard disk stamped "B 115 1935"-	37 24 08.97	91 04 24.31	3,438
Highway at approach S. -----	37 24 33.9	91 03 45.9	3,993
137 M 1931 1174 (previously described) -----	37 25 04.27	91 02 51.86	5,335

4. FROM SEC. 4, T. 31 N., R. 3 W., EAST TO SEC. 29, T. 32 N., R. 2 W.,
INCLUDING THAT PART OF THE LINE IN SINKIN QUADRANGLE (by C. W. Williams
in 1935)

T. 31 N., R. 3 W., in NE 1/4 sec. 4, 0.5 mi. S. of Dent-Shannon county line, 25 ft. S. of forks of logging rd., on top of E.-N. ridge, in concrete post; standard tablet stamped "T T 1612 E R A 1935" (in Sinkin quadrangle) --	37 24 24.63	91 16 20.57	.....
E. point of triangle formed by junction of 3 ridge rds. (in Sinkin quadrangle) -----	37 24 18.0	91 16 07.0	1,280
Rd. fork S., 13 ft. N. and 23 ft. W. from pile of rocks at blazed tree -----	37 24 43.0	91 14 38.1	7,601
T. 32 N., R. 3 W., S. quarter cor. sec. 35, pile of rocks -----	37 24 56.3	91 14 20.4	1,968
Bunker, 3.9 mi. S. of, in NE 1/4 sec. 35,			
T. 32 N., R. 3 W., at old lumber camp site in small clearing, 30 ft. N. and 40 ft. W. of dim T-rd. E., in concrete post; standard tablet stamped "T T 1613 E R A 1935" -----	37 25 30.17	91 14 12.05	3,493
Crossroads -----	37 25 44.1	91 13 36.7	3,180
Dim crossroads -----	37 25 27.8	91 13 04.6	3,071
Rd. forks -----	37 25 10.3	91 12 36.8	2,856
Rd. at fence SW. -----	37 25 15.2	91 12 11.8	2,081
Bunker, 3 mi. SE. of, along Big Creek, in SE 1/4 SE 1/4 sec. 31, T. 32 N., R. 2 W., 5 ft. N. and 24 ft. W. of rd. at rail fence W. on approximate Shannon-Reynolds county line, 42 ft. S. of triangular-blazed 30-in. black-oak tree, in concrete post; standard tablet stamped "T T 1614 E R A 1935 1147" -----	37 24 54.22	91 11 42.89	3,156
T. 31 N., R. 2 W., N. cor. secs. 5 and 6, pile of rocks, 277 ft. E. of black-oak tree at S. cor. secs. 31 and 32, T. 32 N., R. 2 W. -----	37 24 54.1	91 11 34.8	652
Rd. forks -----	37 24 18.2	91 11 18.8	3,853
Rd., 15 ft. E. of triangular-blazed 10-in. black-oak tree -----	37 25 04.4	91 10 31.3	6,044
F 115 1935 (previously described) -----	37 25 41.87	91 10 44.54	3,939

5. FROM SEC. 4, T. 31 N., R. 3 W., SOUTH INTO CARDAREVA QUADRANGLE AT SEC. 31,
T. 30 N., R. 2 W., INCLUDING THAT PART OF THE LINE IN SINKIN QUADRANGLE
(by J. J. Beinlich in 1936)

T T 1612 E R A 1935 (previously described) -----	37 24 24.63	91 16 20.57	.....
Rd. fork S., 10 ft. S. and 30 ft. E. from blazed 10-in. oak tree -----	37 23 45.1	91 16 24.8	4,014
T. 31 N., R. 3 W., near cor. secs. 9, 10, 15, and 16, rd. forks, 28 ft. W. of blazed 8-in. black-oak tree -----	37 23 03.2	91 16 02.7	4,594
Bunker, 8.3 mi. S. and W. of, by rd., in NW 1/4 SE 1/4 sec. 16, T. 31 N., R. 3 W., about 520 ft. E. of Conway's house, 12 ft. N. and 100 ft. E. of rd. fork W., 4 ft. S. and 15 ft. E. of rail fence corner, in concrete post; standard tablet stamped "T T 11 J J 1936" -----	37 22 34.03	91 16 25.19	3,464
T. 31 N., R. 3 W., quarter cor. between secs. 21 and 22, pile of rocks -----	37 21 54.3	91 16 02.2	4,427
Rat, 1.5 mi. W. of, in SW 1/4 SW 1/4 sec. 22, T. 31 N., R. 3 W., near junction of Big Creek and Mill Creek, 45 ft. N. and 15 ft. W. of rd. junction, 3 ft. N. and 10 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 12 J J 1936" -----	37 21 39.22	91 15 57.02	1,579
T-rd. S. -----	37 21 38.9	91 14 51.8	5,263
T-rd. S. -----	37 21 45.6	91 14 30.8	1,827

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Rd. corner from N.-E. at fence W. -----	37 21 26.8	91 14 26.4	1,941
Rd. fork NW.	37 20 54.0	91 14 00.4	3,719
Midridge, 1 mi. N. of, along Missouri Southern R.R., in NW 1/4 SE 1/4 sec. 25, T. 31 N., R. 3 W., 26 ft. S. and 22 ft. W. of R.R. at crossing of Rat-Midridge rd., 12 ft. S. and 2 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 16 J J 1936" -----	37 20 57.50 37 20 31.8 37 20 06.5	91 13 12.01 91 13 02.2 91 13 12.4	3,925 2,730 2,670
T-fence S. -----			
Midridge, junction of rd. N., 300 ft. E. of store Rd. fork S., 10 ft. W. of rd. at triangular- blazed 12-in. white-oak tree -----	37 18 59.1 37 18 46.3	91 12 55.2 91 12 47.5	6,958 1,438
T. 30 N., Rs. 2 and 3 W., cor. secs. 1, 6, 7, and 12, pile of rocks -----			
Midridge, 3.6 mi. S. of, in NW 1/4 SW 1/4 sec. 18, T. 30 N., R. 2 W., at junction of Blair Creek and Laxton Creek, 80 ft. S. and 160 ft. W. of rd. forks, 55 ft. S. and 11 ft. E. of Sherd Phillips' house, in concrete post; standard tablet stamped "T T 17 J J 1936" -----	37 17 18.99 37 17 04.6 37 16 23.2	91 12 41.11 91 12 48.6 91 12 58.3	8,845 1,576 4,262
Rd. at fence N., about 200 ft. N. of approximate SW. cor. sec. 18, T. 30 N., R. 2 W. -----			
Junction of rds. NW. and SE. -----			
Sixteen-in. maple tree, about 200 ft. S. of small farmhouse, 15 ft. S. and 15 ft. W. from rd. forks -----	37 15 41.6 37 15 06.4 37 15 00.7	91 12 50.8 91 12 30.0 91 12 16.1	4,251 3,931 1,262
Rd., 30 ft. S. of blazed 18-in. sycamore tree --- Rd. forks at Williams' store -----			
Prim Trav Sta No 54 1913 Mo 717 (In Cardareva quadrangle; see line 1.) -----	37 14 11.78	91 12 51.87	5,732

6. FROM POINT 1 MILE EAST OF WEST FORK, NORTH INTO BOSS QUADRANGLE AT
SEC. 6, T. 32 N., R. 1 W. (by C. W. Williams in 1937)

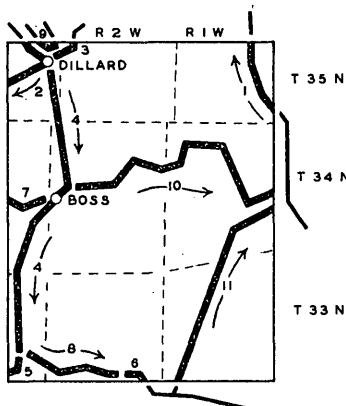
T T 367 C W A 1934 903 (previously described) --	37 29 37.41	91 05 39.43	....
Junction of rd. E. -----	37 29 51.2	91 05 15.3	2,395
Rd. at fence W., on line of game refuge of U.S. National Forest -----	37 29 59.8	91 05 17.1	879

(Continued in Boss quadrangle; see line 11.)

Magnetic declination 5° 36' E.

BOSS QUADRANGLE
(Latitude 37°30'-37°45'; longitude 91°00'-91°15')

Crawford, Dent, Iron, Reynolds, and Washington Counties



1. FROM EDGEHILL QUADRANGLE AT SEC. 1, T. 34 N., R. 1 W., NORTH INTO
BERRYMAN QUADRANGLE AT SEC. 14, T. 35 N., R. 1 W. (by J. R. Ellis
in 1907)

(Continued from Edgehill quadrangle; see line 3.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Hickory tree at rd. forks, NE. of dwelling of Thomas Crocker -----	37 42 34.6	91 00 12.5	(5,508)
White-oak tree at junction of ridge rd. N. -----	37 43 05.2	91 00 23.4	3,198

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 35 N., R. 1 W., NE. cor. sec. 22, cedar post on Iron-Washington county line -----	37 44 19.5	91 01 07.8	8,331
Junction of rd. W. at SE. corner of field -----	37 44 53.9	91 01 05.0	3,486

(Continued in Berryman quadrangle; see line 2.)

2. FROM BERRYMAN QUADRANGLE AT SEC. 14, T. 35 N., R. 3 W., SOUTHEAST TO
DILLARD, THENCE SOUTHWEST INTO STONE HILL QUADRANGLE AT SEC. 27,
T. 35 N., R. 3 W. (by J. L. Sanders in 1926-27)

(Continued from Berryman quadrangle; see line 3.)

Rd. forks -----	37 45 00.0	91 13 36.1	(4,545)
T. 35 N., R. 3 W., quarter cor. between secs. 13 and 14, fence corner -----	37 44 57.0	91 13 08.6	2,232
Dillard, 1 mi. NW. of, in SW 1/4 sec. 13, T. 35 N., R. 3 W., 90 ft. S. of junction of State Highway 49 and Dillard-Cherryville rd., in concrete post; standard tablet stamped "P T Sta No 118 S 1926 1093" -----	37 44 41.40	91 12 42.38	2,627
T. 35 N., R. 3 W., about 500 ft. N. of quarter cor. between secs. 13 and 24, pile of stones -- James Branch, W. end of R.R. trestle over (R.R. now abandoned) -----	37 44 36.4	91 12 35.7	735
R.R. at switch frog (R.R. now abandoned) -----	37 43 58.9	91 13 48.9	6,991
Dillard, 3.5 mi. W. of, along St. Louis-San Francisco Ry. (now abandoned), 1 mi. W. of deep fill at James Creek, at approximate quarter cor. between secs. 21 and 28, T. 35 N., R. 3 W., 500 ft. W. of junction of abandoned side track, 40 ft. S. of track, on top of high bank at deep cut, in concrete post; standard tablet stamped "P T Sta No 132 S 1927" (in Stone Hill quadrangle) -----	37 43 41.8	91 14 19.0	2,965
	37 43 35.78	91 15 32.17	1,232

3. FROM DILLARD NORTHEAST INTO BERRYMAN QUADRANGLE AT SEC. 18, T. 35 N.,
R. 2 W. (by J. L. Sanders in 1926-27)

P T Sta No 118 S 1926 1093 (previously described) -----	37 44 41.40	91 12 42.38	.....
Davisville-Dillard rd. at rd. E. to Czar -----	37 44 56.3	91 12 34.7	1,616
Corner fence post near dwelling of Frank Dom, near quarter cor. between secs. 13 and 18, T. 35 N., Rs. 2 and 3 W. -----	37 44 57.2	91 12 02.6	2,577

(Continued in Berryman quadrangle; see line 6.)

4. FROM DILLARD SOUTH TO SEC. 26, T. 33 N., R. 3 W. (by R. H. Parker in 1934)

P T Sta No 118 S 1926 1093 (previously described) -----	37 44 41.40	91 12 42.38	.....
Dillard, rd. in front of post office -----	37 44 09.2	91 12 14.4	3,952
Center of concrete culvert -----	37 43 52.4	91 12 07.5	1,794
SW. corner of concrete-block schoolhouse -----	37 43 37.4	91 12 12.0	1,556
T. 35 N., R. 3 W., probable center of NE 1/4 sec. 25 -----	37 43 25.3	91 12 20.2	1,392
Old Mill Lodge, rd. forks -----	37 43 12.3	91 12 23.3	1,343
Huzzah Creek, center of ford across -----	37 42 49.0	91 12 21.8	2,360
Dillard, 3.5 mi. S. of, along old Boss-Dillard rd., in sec. 36, T. 35 N., R. 3 W., 100 ft. NW. of Huzzah Creek, 75 ft. SE. of right-of-way of new rd., 50 ft. W. of junction of rd. E. to farmhouse, on hillside, in concrete post; standard tablet stamped "T T 371 C W A 1934" --	37 42 16.53	91 12 20.10	3,288
T. 34 N., Rs. 2 and 3 W., N. cor. secs. 1 and 6, blazed stake in pile of rocks -----	37 41 54.5	91 12 23.8	2,250
Junction of driveway to dwelling of J. C. Hedrick SW. corner of concrete foundation of smokehouse of W. H. Bay -----	37 40 50.0	91 11 52.0	7,010
T. 34 N., R. 2 W., cor. secs. 5, 6, 7, and 8, stone -----	37 40 33.0	91 11 27.9	2,581
T-rd. W. -----	37 39 41.1	91 11 24.7	5,255
Boss, near the town of, in N 1/2 sec. 18, T. 34 N., R. 2 W., 100 ft. S. and 150 ft. E. of State Highway 32 bridge J-573 over Huzzah Creek, 72 ft. NE. of NE. corner of store, in concrete post; standard tablet stamped "T T 372 C W A 1934 1020" -----	37 39 02.4	91 11 35.3	4,011
U.S.C. & G.S. standard disk stamped "E 52 1934" -	37 38 42.83	91 11 37.72	1,989
T-rd. E. -----	37 38 40.39	91 11 57.66	1,624
T. 34 N., R. 3 W., probable quarter cor. between secs. 13 and 24, pile of rocks -----	37 38 27.1	91 12 34.4	3,250
	37 37 45.6	91 13 03.3	4,806

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Boss, 3 mi. SW. of, 1.5 mi. S. of State Highway 32, along ridge rd. to Marcot, near center sec. 25, T. 34 N., R. 3 W., near center of triangle formed by junction of three rds., in concrete post; standard tablet stamped "T T 373 C W A 1934 1315" -----	37 36 36.05	91 13 12.40	7,068
Rd. forks -----	37 36 17.0	91 13 38.6	2,855
Rd. forks -----	37 35 56.7	91 13 53.9	2,395
Rd. forks -----	37 35 35.4	91 14 12.9	2,642
Crossroads -----	37 35 00.6	91 14 25.4	3,660
Rd. forks -----	37 34 37.2	91 14 45.6	2,878
T. 33 N., R. 3 W., S. sixteenth cor. between secs. 10 and 11, pile of rocks -----	37 33 54.8	91 14 43.7	4,297
Marcot, 1 mi. NE. of, in SE 1/4 sec. 10, T. 33 N., R. 3 W., 410 ft. E. of dim crossroads, 30 ft. N. of E.-W. rd., in concrete post; standard tablet stamped "T T 374 C W A 1934 1297" -----	37 33 51.12	91 14 54.03	912
Rd. forks -----	37 33 19.6	91 14 53.3	3,193
Crossville-Marcot rd. at line between secs. 22 and 23, T. 33 N., R. 3 W. -----	37 32 40.6	91 14 46.3	3,982
Bunker, 6 mi. NW. of, in NW 1/4 sec. 26, T. 33 N., R. 3 W., 940 ft. E. of Crossville Church, 25 ft. N. and 70 ft. E. of rd. forks, 80 ft. S. and 60 ft. W. of T. E. Baker's house, in concrete post; standard tablet stamped "T T 362 C W A 1934 1091" -----	37 31 42.40	91 13 44.01	7,734

5. FROM STONE HILL QUADRANGLE AT SEC. 34, T. 33 N., R. 3 W., NORTHEAST TO SEC. 26, T. 33 N., R. 3 W. (by C. D. Craig in 1934)

T T 360 C W A 1934 (in Stone Hill quadrangle) ---	37 30 21.47	91 16 38.28	.....
Bunker, 4.5 mi. NW. of, in SE 1/4 SE 1/4 sec. 34, T. 33 N., R. 3 W., 45 ft. N. and 27 ft. W. of junction of State Highway 72 and rd. to Crossville Church, in concrete post; standard tablet stamped "361 C W A 1934 1328" -----	37 30 19.59	91 14 48.19	8,874
SE. corner of board fence around barnyard of Bert Osborne -----	37 31 25.4	91 14 06.0	7,481
T T 362 C W A 1934 1091" (previously described) -	37 31 42.40	91 13 44.01	2,467

6. FROM CORRIDON QUADRANGLE AT SEC. 2, T. 32 N., R. 2 W., NORTHWEST TO SEC. 35, T. 33 N., R. 2 W. (by C. D. Craig in 1934)
(Continued from Corridon quadrangle; see line 2.)

West Fork, 2.2 mi. NW. of post office, 160 ft. N. and 20 ft. E. of S. cor. secs. 34 and 35, T. 33 N., R. 2 W., 50 ft. N. and 20 ft. E. of Bills Creek rd. at West Fork rd., 25 ft. N. and 40 ft. E. from T-rd. N., 7 ft. W. of rail fence corner, in concrete post; standard tablet stamped "T T 365 C W A 1934 951" -----	37 30 05.33	91 08 17.47	(2,800)
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7. FROM STONE HILL QUADRANGLE EAST ALONG STATE HIGHWAY 32 TO BOSS (by G. L. Krattler in 1934)

T. 34 N., R. 3 W., cor. secs. 15, 16, 21, and 22, pile of stones near highway at rd. N. (in Stone Hill quadrangle) -----	37 38 06.2	91 15 47.1	.....
Howe Mill School, highway at rd. N. (in Stone Hill quadrangle) -----	37 37 57.4	91 15 16.9	2,585
Crossroad -----	37 37 31.9	91 14 14.0	5,685
Barren Creek, center of bridge over -----	37 37 46.5	91 13 54.4	3,513
Junction of rd. SE. -----	37 37 50.3	91 13 09.8	2,016
Junction of rd. W. -----	37 38 04.7	91 13 04.1	1,528
T T 372 C W A 1934 1020 (previously described) -	37 38 42.83	91 11 37.72	7,943

8. FROM SEC. 26, T. 33 N., R. 3 W., EAST TO SEC. 35, T. 33 N., R. 2 W. (by R. H. Parker in 1934)

T T 362 C W A 1934 1091 (previously described) -	37 31 42.40	91 13 44.01	.....
T-rd. S. -----	37 31 26.5	91 13 15.0	2,835
Wooden bridge over creek -----	37 31 12.6	91 12 34.2	3,574
T. 33 N., R. 2 W., quarter cor. between secs. 30 and 31, pile of rocks -----	37 30 59.2	91 12 06.4	2,623
Greeley, 600 ft. NW. of post office, in NW 1/4 sec. 32, T. 33 N., R. 2 W., 200 ft. W. and 50 ft. S. of schoolhouse, 40 ft. S. and 30 ft. W. of rd. forks, 12 ft. W. and 3 ft. N. of NE. corner of cemetery, in concrete post; standard tablet stamped "T T 363 C W A 1934 1012" -----	37 30 54.05	91 11 12.26	4,390
Junction of private entrance -----	37 30 46.2	91 10 30.2	3,484

Station	Latitude	Longitude	Distance
SE. corner of concrete foundation of shed -----	° ' " 37 30 44.0	° ' " 91 10 09.8	Feet 1,657
Rd. forks -----	37 30 30.4	91 09 41.7	2,649
Greeley, 2.2 mi. SE. of post office, 0.2 mi. N. of S. cor. secs. 33 and 34, T. 33 N., R. 2 W., 20 ft. S. of Greeley-West Fork rd., 3 ft. S. and 4 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 364 C W A 1934 960" -----	37 30 18.56	91 09 22.82	1,937
Center of triangle on Greeley-West Fork rd. at farm entrance -----	37 30 02.5	91 08 45.1	3,446
T T 365 C W A 1934 951 (previously described) --	37 30 05.33	91 08 17.47	2,242

9. FROM BERRYMAN QUADRANGLE AT SEC. 13, T. 35 N., R. 3 W., NORTHWEST INTO BERRYMAN QUADRANGLE AT SEC. 13, T. 35 N., R. 3 W. (by C. H. Beardsley in 1934)

(Continued from Berryman quadrangle; see line 8.)

County Route B at rd. E. -----	37 44 56.2	91 12 35.0	(2,430)
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(Continued in Berryman quadrangle; see line 8.)

10. FROM BOSS EAST ALONG STATE HIGHWAY 32 AND COUNTY ROUTE T INTO EDGEHILL QUADRANGLE (by C. W. Williams in 1935)

T T 372 C W A 1934 1020 (previously described) -	37 38 42.83	91 11 37.72	.....
Junction of rd. S. -----	37 38 35.0	91 11 17.3	1,824
Junction of rd. S. -----	37 38 29.0	91 10 41.5	2,938
T. 34 N., R. 2 W., cor. secs. 8, 9, 16, and 17, stake in pile of rocks, 12 ft. N. and 10 ft. E. from fence corner -----	37 38 47.4	91 10 20.2	2,537
U.S.C. & G.S. standard disk stamped "D 52 1934" -	37 38 34.08	91 10 04.30	1,860
T. 34 N., R. 2 W., cor. secs. 9, 10, 15, and 16, stake on S. side of highway on Dent-Iron county line -----	37 38 47.4	91 09 16.1	4,101
Crossroad -----	37 38 47.2	91 09 06.7	755
U.S.C. & G.S. standard disk stamped "C 52 1934" -	37 38 59.92	91 08 36.86	2,721
Junction of rd. N. -----	37 39 07.4	91 08 12.4	2,110
U.S.C. & G.S. standard disk stamped "B 52 1934" -	37 39 25.26	91 07 12.01	5,181
Junction of County Route B -----	37 39 36.2	91 06 54.9	1,769
U.S.C. & G.S. standard disk stamped "A 52 1934" -	37 39 36.61	91 06 45.60	750
Junction of dim rd. S. -----	37 39 23.6	91 05 24.8	6,630
U.S.C. & G.S. standard disk stamped "D 56 1934" -	37 39 47.69	91 05 05.12	2,909
T. 34 N., R. 1 W., cor. secs. 5, 6, 7, and 8, pile of rocks at old fence and blazed pine stump -----	37 39 48.2	91 04 32.3	2,636
Junction of dim rd. W. -----	37 40 02.7	91 04 25.0	1,585
Junction of rd. W. -----	37 40 21.3	91 04 20.1	1,921
U.S.C. & G.S. standard disk stamped "C 56 1934" -	37 40 24.38	91 03 55.37	2,014
Highway opposite drainage ditch S. -----	37 40 24.2	91 02 51.0	5,171
Junction of County Route T -----	37 40 18.3	91 02 22.8	2,350
T. 34 N., R. 1 W., cor. secs. 3, 4, 9, and 10, stake in pile of rocks -----	37 40 06.1	91 02 17.8	1,295
Junction of rd. S. -----	37 39 38.1	91 02 10.0	2,897
Goodland, 4 mi. N. of, in NE 1/4 sec. 15, T. 34 N., R. 1 W., 33 ft. W. of highway, 10 ft. S. of fence corner, in concrete post; standard tablet stamped "T T 1607 E R A 1935" -----	37 39 14.82	91 01 43.95	3,155
Highway at approaches E. and W., at top of hill -	37 38 23.8	91 01 30.1	5,284
T. 34 N., R. 1 W., cor. secs. 22, 23, 26, and 27, pile of rocks -----	37 37 39.0	91 01 19.9	4,599
Crossroad -----	37 37 27.6	91 00 48.1	2,809
Forest Service poster marked "19 ch. E. to SW. cor. sec. 24, T. 34 N., R. 1 W." -----	37 37 43.2	91 00 28.4	2,233
Prim Trav Sta No 14 1907 Mo 948 (In Edgehill quadrangle; see line 3.) -----	37 38 00.77	90 59 51.37	3,469

11. FROM CORRIDON QUADRANGLE AT SEC. 6, T. 32 N., R. 1 W., NORTHEAST INTO EDGEHILL QUADRANGLE AT SEC. 24, T. 34 N., R. 1 W. (by C. W. Williams in 1937)

(Continued from Corridon quadrangle; see line 6.)

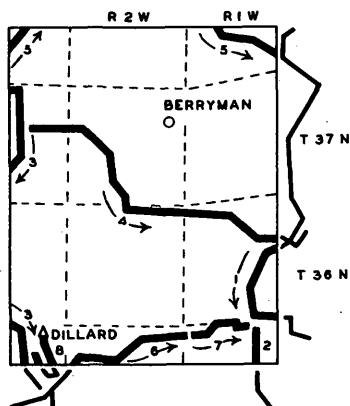
West Fork, 2.4 mi. NE. of post office, in NW 1/4 sec. 31, T. 33 N., R. 1 W., 200 ft. SW. of earthen dam, 60 ft. N. of NW. corner of small frame house on Wm. Seever's property, 20 ft. SW. of rd., in concrete post; standard tablet stamped "4 G 1936 943" -----	37 30 33.40	91 05 18.38	(3,406)
Rd. at fences E. and W. -----	37 31 02.8	91 05 20.5	2,987
Rd. at triangular-blazed black-oak tree -----	37 31 20.8	91 04 49.9	3,061

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
West Fork, 4.2 mi. NE. of post office, 3.2 mi. SW. of Oates, 400 ft. E. of U.S. Forest Service rd. at junction of rd. SW. to West Fork, 30 ft. N. and 38 ft. E. of junction of rd. NE. to Oates, 33 ft. N. of rd. at drain, in concrete post; standard tablet stamped "5 G 1936 1304"-----	37 31 45.00	91 04 38.06	2,634
Center of concrete culvert -----	37 32 04.4	91 04 08.0	3,119
Junction of rds. E. and W. -----	37 32 28.9	91 03 29.2	3,986
T. 33 N., R. 1 W., cor. secs. 16, 17, 20, and 21, pile of stones -----	37 32 53.8	91 03 37.4	2,601
Rd. at blazed 30-in. post-oak tree, near ford across creek -----	37 33 28.8	91 03 00.1	4,652
Oates, in village of, 12 ft. S. and 110 ft. W. of T-rd. S., 3 ft. S. and 3 ft. E. of NE. corner of Sutterfield's Store, in concrete post; standard tablet stamped "6 G 1936 994"-----	37 33 46.21	91 03 23.09	2,559
Rd. at blazed 16-in. white-oak tree -----	37 34 30.3	91 03 08.6	4,610
Rd. at fence E. -----	37 35 11.5	91 03 14.5	4,194
Rd. forks -----	37 35 25.2	91 03 15.8	1,401
Oates, 2.5 mi. NE. of, in N 1/2 sec. 4, T. 33 N., R. 1 W., about 700 ft. NW. of Thomas Trolinger's house, 12 ft. N. and 2 ft. E. of rd. at fence N., in SW. corner of pasture, 3 ft. N. and 2 ft. E. of corner of fence, in concrete post; standard tablet stamped "7 G 1936 985"-----	37 35 32.73	91 03 00.98	1,412
S. point of triangle at rd. forks -----	37 35 41.9	91 02 45.2	1,573
Forest Service poster marked "43 chains S. to SW. cor. sec. 34, T. 34 N., R. 1 W." (corner in bed of creek has been washed out) -----	37 35 49.3	91 02 30.2	1,418
T. 34 N., R. 1 W., S. sixteenth cor. sec. 34, pile of stones -----	37 36 01.5	91 01 55.5	3,056
T-rd. E. -----	37 36 21.2	91 01 13.3	3,938
Rd. at fence W. -----	37 36 56.9	91 01 31.6	3,899
Oates, 5.5 mi. NE. of, 2.1 mi. SW. of Goodland, in NE 1/4 sec. 27, T. 34 N., R. 1 W., 80 ft. S. and 70 ft. E. of S. corner of small farmhouse, 5 ft. N. and 50 ft. E. of T-rd. NE., in concrete post; standard tablet stamped "8 G 1936 965"-----	37 37 15.94	91 01 25.93	1,979
Rd. at fence E. -----	37 38 03.1	91 00 13.7	7,523
Prim Trav Sta No 14 1907 Mo 948 (In Edgemoor quadrangle; see line 3.) -----	37 38 00.77	90 59 51.37	1,808

Magnetic declination 5° 59' E.

BERRYMAN QUADRANGLE
(Latitude 37°45'-38°00'; longitude 91°00'-91°15')

Crawford and Washington Counties



1. FROM POTOSI QUADRANGLE AT SEC. 14, T. 36 N., R. 1 W., SOUTH INTO POTOSI QUADRANGLE AT SEC. 35, T. 36 N., R. 1 W. (by Sledge Tatum in 1904)
(Continued from Potosi quadrangle; see line 2.)

Station	Latitude	Longitude	Distance
Rd. fork W. -----	37 50 18.6	91 00 53.0	(5,506)
Rd. fork W. -----	37 49 39.6	91 01 22.3	4,596
Rd. fork W. -----	37 48 28.5	91 01 37.8	7,297
Palmer, 3.5 mi. SW. of, at crossroads, in flint and limestone boulder; aluminum tablet stamped "Prim Trav Sta No 394 1164 Adj 1903" -----	37 47 40.91	91 01 13.12	5,206
T-rd. at dwelling of George Dickens -----	37 46 55.4	91 00 52.4	4,962
Rd. fork W. -----	37 46 46.2	91 00 21.5	2,685

(Continued in Potosi quadrangle; see line 2.)

2. FROM BOSS QUADRANGLE AT SEC. 14, T. 35 N., R. 1 W., NORTH TO SEC. 34, T. 36 N., R. 1 W. (by J. R. Ellis in 1907)
(Continued from Boss quadrangle; see line 1.)

T. 35 N., R. 1 W., cor. secs. 10, 11, 14, and 15, post in pile of rocks -----	37 45 11.5	91 01 06.5	(1,794)
Prim Trav Sta No 394 1164 Adj 1903 (previously described) -----	37 47 40.91	91 01 13.12	15,122

3. FROM STEELVILLE QUADRANGLE AT SEC. 3, T. 37 N., R. 3 W., SOUTH INTO BOSS QUADRANGLE AT SEC. 14, T. 35 N., R. 3 W. (by J. L. Sanders in 1926-27)

Rd. forks (in Steelville quadrangle) -----	37 57 04.4	91 15 02.0	.....
Center of large gate -----	37 56 42.8	91 14 45.3	2,570
Pile of rocks in field at fence corner -----	37 56 20.4	91 14 48.2	2,278
West gatepost of large wooden gate at S. entrance to farm -----	37 55 53.9	91 14 31.0	3,012
Westover, 2 mi. W. of, along Steelville-Westover rd., near center sec. 15, T. 37 N., R. 3 W., 30 ft. S. and 40 ft. W. of crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 110 S 1926 945" -----	37 55 20.42	91 14 26.43	3,410
Rd. forks -----	37 54 36.0	91 14 45.3	4,743
Rd. forks -----	37 53 54.1	91 14 47.8	4,238
T. 37 N., R. 3 W., cor. secs. 27, 28, 33, and 34, pile of stones (in Steelville quadrangle) -----	37 53 17.7	91 15 10.2	4,257
Tps. 35 and 36 N., R. 3 W., cor. secs. 3, 4, 33, and 34, cross fences (in Steelville quadrangle) -----	37 47 09.7	91 15 18.8	.....
Center of ford across small stream -----	37 46 22.8	91 14 34.2	5,495
Dillard, 3.5 mi NW. of, along Cherryville-Dillard rd., 7.5 mi. SE. of Cherryville, about 0.1 mi. N. of cor. secs. 10, 11, 14, and 15, T. 35 N., R. 3 W., 32 ft. S. and 38 ft. E. of property corner, in concrete post; standard tablet stamped "P T Sta No 117 S 1926" -----	37 45 33.42	91 14 14.10	5,253

(Continued in Boss quadrangle; see line 2.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
4. FROM SEC. 15, T. 37 N., R. 3 W., SOUTHEAST INTO POTOSI QUADRANGLE AT SEC. 14, T. 36 N., R. 1 W. (by J. L. Sanders in 1926-27)			
Prim Trav Sta No 110 S 1926 945 (previously described) -----	37 55 20.42	91 14 26.43	.....
Rd. fork S. -----	37 55 23.4	91 13 33.6	4,243
Rd. fork N. -----	37 55 23.3	91 13 01.8	2,552
Rd. forks -----	37 55 13.4	91 12 19.0	3,366
Crossroads -----	37 55 04.7	91 11 47.2	2,691
T-rd. E. -----	37 55 06.6	91 10 45.7	4,936
Huzzah, about 1 mi. NW. of post office, 1,000 ft. S. and 800 ft. E. of quarter cor. between secs. 17 and 18, T. 37 N., R. 2 W., 115 ft. W. of T-rd. N., 80 ft. N. of Willie Brickley's house, on hillside, in concrete post; standard tablet stamped "Prim Trav Sta 127 S 1926 737" -----	37 55 15.52	91 10 28.30	1,660
Rd. forks -----	37 54 48.6	91 10 04.2	3,339
Huzzah Creek, S. bank of ford across -----	37 54 28.4	91 09 42.4	2,687
Huzzah, front door of post office -----	37 54 13.9	91 09 25.1	2,024
Huzzah, 0.5 mi. S. of post office, in NE. corner of concrete step to Huzzah School; standard tablet stamped "Prim Trav Sta No 128 S 1926 735" -----	37 53 43.41	91 09 20.91	3,100
Rd. forks -----	37 52 36.5	91 08 36.6	7,641
Crossroads -----	37 51 47.6	91 07 42.2	6,598
Brazil, about 2.5 mi. W. of post office, along Huzzah-Brazil rd., in SE 1/4 sec. 2, T. 36 N., R. 2 W., 0.2 mi. NW. of Walter Caringer's house, 65 ft. E. of rd. forks, between rds., in concrete post; standard tablet stamped "P T Sta No 129 S 1926 1048" -----	37 51 40.85	91 06 39.14	5,103
Junction of Brazil-Huzzah rd. and rd. N. to Berryman -----	37 51 44.5	91 06 18.7	1,679
Rd. at triangular-blazed 12-in. black-oak tree on Crawford-Washington county line -----	37 51 28.4	91 05 48.0	2,350
T. 36 N., R. 1 W., W. cor. secs. 6 and 7 -----	37 51 24.6	91 05 17.5	2,478
Junction of Berryman-Brazil rd. and rd. W. to Steelville, 0.2 mi. E. of dwelling of P. P. Crump -----	37 51 51.5	91 03 45.2	7,886
Mallow School, 500 ft. E. of quarter cor. between secs. 4 and 5, T. 36 N., R. 1 W., 21 ft. S. of SE. corner of schoolhouse, 9 ft. W. of large walnut tree, in concrete post; standard tablet stamped "Prim Trav Sta No 130 S 1926 831" -----	37 51 52.01	91 02 59.82	3,637
SE. corner of abandoned grist mill -----	37 51 26.6	91 02 38.2	3,102
Front door of store of Tom Blunt -----	37 50 45.6	91 01 23.3	7,298
NW. corner of old smelting furnace -----	37 50 18.8	91 00 59.0	3,338

(Continued in Potosi quadrangle; see line 3.)

5. FROM STEELVILLE QUADRANGLE AT SEC. 22, T. 38 N., R. 3 W., EAST INTO POTOSI QUADRANGLE AT SEC. 35, T. 38 N., R. 1 W. (by J. L. Sanders in 1926-27)			
P T Sta No 108 S 1926 (in Steelville quadrangle) -----	37 59 10.90	91 15 18.31	.....
Rd. fork SE. -----	37 59 39.0	91 14 49.3	3,455
Junction of Scotia-Steelville rd. and rd. SE. to Berryman (in Bourbon quadrangle) -----	38 00 07.0	91 14 16.9	3,843
T. 38 N., R. 1 W., cor. secs. 17, 18, 19, and 20 (in Bourbon quadrangle) -----	38 00 12.0	91 04 02.1	.....
Junction of Butte-Undine rd. and old Potosi-Scotia rd. -----	37 59 48.3	91 03 24.8	3,530
Brazil Creek, center of ford across -----	37 59 46.4	91 02 28.6	4,502
T. 38 N., R. 1 W., in SW 1/4 SE 1/4 sec. 21, 310 ft. E. of rd., 24 ft. S. and 6 ft. E. of SW. corner of former post office building in Undine, in lot of John W. Isgrig, in concrete post; standard tablet stamped "P T Sta 126 S 1926" -----	37 59 35.78	91 02 18.12	1,364
Front step to porch of dwelling of Charlie Easton -----	37 59 05.3	91 01 48.3	3,900
Pile of rocks at rd. forks -----	37 58 40.0	91 00 33.2	6,532
Prim Trav Sta No 167 1903 1243 Adj (in Potosi quadrangle; see line 6.) -----	37 58 22.19	90 59 30.90	5,306

6. FROM BOSS QUADRANGLE AT SEC. 18, T. 35 N., R. 2 W., NORTHEAST TO SEC. 7, T. 35 N., R. 1 W. (by J. L. Sanders in 1926-27)
(Continued from Boss quadrangle; see line 3.)

Rd. fork NE. -----	37 45 12.8	91 11 29.0	(3,108)
Huzzah Creek, S. edge of -----	37 45 20.8	91 10 41.0	3,923
Center of Possum Trot Creek at fence -----	37 45 21.0	91 10 04.7	2,910
T. 35 N., R. 2 W., cor. secs. 8, 9, 16, and 17, pile of rocks near large gate -----	37 45 20.8	91 09 50.2	1,152

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
Dillard, 6 mi. NE. of post office, in NW 1/4 NE 1/4 sec. 16, T. 35 N., R. 2 W., 42 ft. S. and 80 ft. W. of Mill Rock Creek ford, 400 ft. S. 20° E. of Tom Turnbough's house, 26 ft. S. and 51 ft. W. of rail fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 119 S 1926 930" -----	37 45 17.53	91 09 04.26	3,700
T. 35 N., R. 2 W., quarter cor. between secs. 9 and 10, W. end of lane -----	37 45 46.1	91 08 44.4	3,286
T. 35 N., R. 2 W., in SE 1/4 sec. 3, 21 ft. NE. of old Steelville-Centerville rd., 27 ft. N. and 15 ft. W. of R. S. Barr's garage, in concrete post; standard tablet stamped "P T 120 S 1926" -----	37 46 20.85	91 07 53.79	3,358
T. 35 N., R. 2 W., cor. secs. 2, 3, 10, and 11, pile of rocks -----	37 46 12.2	91 07 37.6	1,567
Rd. forks, 150 ft. NW. of (? Czar) School -----	37 46 11.4	91 07 07.3	2,428
Rd. forks -----	37 46 11.0	91 06 18.1	3,941
Center of front gate to dwelling of Wm. Barr -----	37 46 20.8	91 06 00.1	1,744
Courtois, 300 ft. NW. of post office, 100 ft. S. and 140 ft. W. of cor. secs. 5, 6, 7, and 8, T. 35 N., R. 1 W., 150 ft. N. and 60 ft. E. of G. D. Evans' house, 22 ft. W. of NW. corner of barn, in concrete post; standard tablet stamped "P T Sta 121 S 1926 900" -----	37 46 06.78	91 04 22.42	7,964

7. FROM SEC. 7, T. 35 N., R. 1 W., NORTHEAST TO SEC. 34, T. 36 N., R. 1 W.
(by C. H. Beardsley in 1934)

P T Sta 121 S 1926 900 (previously described) --	37 46 05.15	91 04 24.19	.....
W. corner of dwelling of D. P. Cole -----	37 46 31.5	91 03 52.1	3,710
Tombstone of Elizabeth Laramore in small cemetery	37 46 50.8	91 03 11.6	3,790
T. 35 N., R. 1 W., N. cor. secs. 3 and 4 (?) ----	37 47 01.4	91 02 10.6	5,010
T-rd. S. -----	37 46 42.4	91 01 50.3	2,520
T. 35 N., R. 1 W., N. quarter cor. sec. 3 -----	37 47 06.2	91 01 34.7	2,710
Prim Trav Sta No 394 1164 Adj 1903 (previously described) -----	37 47 40.91	91 01 13.12	3,930

8. FROM SEC. 2, T. 35 N., R. 3 W., SOUTH ALONG COUNTY ROUTE B TO SEC. 13,
T. 35 N., R. 3 W., THENCE NORTHWEST ALONG ROADS TO SEC. 11, T. 35 N.,
R. 3 W. (by C. H. Beardsley in 1934)

Dillard triangulation sta.; U.S.C. & G.S. standard disk stamped "Dillard" -----	37 46 35.06	91 13 43.07	.....
Junction of Davisville-Dillard rd. -----	37 46 06.6	91 13 10.7	3,870
Highway at Rock Branch Creek -----	37 45 20.2	91 12 36.7	5,430

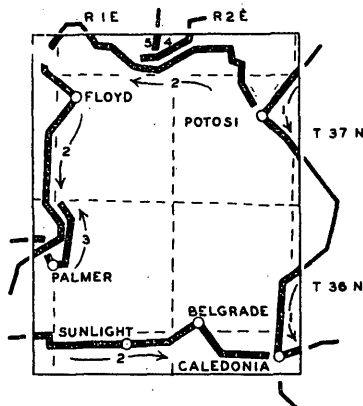
(For balance in Boss quadrangle, see line 9.)

Center of ford across creek -----	37 45 06.1	91 13 47.4	(5,900)
P T Sta No 117 S 1926 (previously described) ----	37 45 33.42	91 14 14.10	3,500

Magnetic declination in 1934, 6° 30' E.

POTOSI QUADRANGLE
(Latitude 37°45'–38°00'; longitude 90°45'–91°00')

Washington County



1. FROM BONNE TERRE QUADRANGLE AT SEC. 31, T. 38 N., R. 3 E., SOUTH BY WAY OF POTOSI INTO BONNE TERRE QUADRANGLE NEAR CALEDONIA (by J. R. Ellis in 1903)
(Continued from Bonne Terre quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Old Mines-Potosi rd. at rd. N. -----	37 57 59.9	90 45 47.8	(5,679)
Crossing of Potosi-Selby and Old Mines-Potosi rds. -----	37 56 44.0	90 46 02.6	7,737
Potosi, S. meridian stone -----	37 56 13.1	90 47 14.4	6,546
Potosi, intersection of Missouri and High Streets -----	37 56 12.5	90 47 15.0	157
Rd. fork E. -----	37 55 34.7	90 45 58.4	7,158
T. 37 N., R. 3 E., W. cor. secs. 19 and 30 -----	37 54 13.5	90 45 28.0	8,228
(For balance in Bonne Terre quadrangle, see line 1.)			
Crossing of Caledonia-Potosi and Caledonia-Irondale rds. -----	37 49 04.6	90 46 33.1	11,132)
T-rd. W. -----	37 47 27.6	90 46 40.4	9,807
T-rd. W. -----	37 46 02.8	90 46 21.6	8,930

(Continued in Bonne Terre quadrangle; see line 1.)

2. FROM POTOSI NORTHEAST TO SEC. 25, T. 38 N., R. 1 W., THENCE SOUTH TO SEC. 1, T. 35 N., R. 1 W.; THENCE EAST TO CALEDONIA (by Sledge Tatum in 1904)

Potosi, intersection of Missouri and High Streets (previously described) -----	37 56 12.5	90 47 15.0	.....
Rd. fork S. -----	37 56 49.8	90 47 56.3	5,026
Rd. fork S. -----	37 57 26.4	90 48 36.0	4,888
Rd. fork N. -----	37 59 18.5	90 50 57.7	16,048
T. 38 N., R. 1 E., quarter cor. between secs. 35 and 36 -----	37 58 30.6	90 53 05.7	11,370
Crossroads -----	37 58 31.0	90 53 49.8	3,451
Latty, 1.4 mi. SW. of, 1,000 ft. W. of Fourche a Renault Creek, 54 ft. W. of springhouse, opposite Bill Lewis' house, in ledge of natural stone; aluminum tablet stamped "Prim Trav Sta No 79 1913 790" -----	37 58 47.27	90 55 00.93	5,930
Rd. fork N. -----	37 59 33.2	90 55 56.6	6,449
Crossroads -----	37 59 53.4	90 56 45.0	4,385
Junction of rd. N. (in Richwoods quadrangle) -----	38 00 28.9	90 57 30.0	5,078
Dim crossroad at top of hill -----	37 59 40.3	90 59 01.4	8,797
Floyd, 2.5 mi. NW. of, 1 mi. SW. of Little Pilot Knob, on N. side of rd., in large boulder; aluminum tablet stamped "Prim Trav Sta No 167 1903, 1243 Adj" -----	37 58 22.19	90 59 30.90	8,246
Rd. fork E. at Singer dwelling -----	37 57 35.3	90 58 07.0	8,224
Floyd, junction of Berryman and Potosi rds., 700 ft. W. of post office -----	37 57 14.4	90 57 05.0	5,397
Wooden bridge over creek -----	37 56 40.7	90 58 09.3	6,176
Junction of rd. to Potosi, 800 ft. E. of church -----	37 55 21.6	90 59 01.6	9,019
T-rd. -----	37 55 17.3	90 59 43.4	3,386

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Sawmill, 300 ft. SE. of rd. W. -----	37 53 35.2	90 59 49.2	10,328
Palmer, 4 mi. N. of, at fork of two trails, in sandstone boulder; aluminum tablet stamped "Prim Trav Sta No 297 1903 1002 Adj" -----	37 52 42.58	90 59 35.09	5,439
Junction of dim rd. E. -----	37 51 38.4	90 58 45.6	7,611
Junction of Potosi-Palmer rd. E. -----	37 51 00.8	90 59 12.3	4,364
T-rd. -----	37 50 22.1	90 59 44.4	4,684

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

Rd. fork N. -----	37 46 47.3	90 58 12.1	10,389
Rd. fork N. -----	37 46 44.3	90 56 31.8	8,070
Rd. fork S. -----	37 46 47.0	90 55 07.0	6,819
Sunlight, post office -----	37 47 00.1	90 54 13.6	4,472
Belgrade, 1.5 mi. W. of, 500 ft. S. of H. E. Johnson's house, on E. bank of creek, in rock ledge; aluminum tablet stamped "Prim Trav Sta No 498 1903 904 Adj" -----	37 46 51.81	90 52 38.22	7,720
Belgrade, post office -----	37 47 22.0	90 51 01.0	8,358
Rd. at land-grant line -----	37 46 51.4	90 50 20.3	4,563
Crossroads -----	37 46 27.8	90 49 38.5	4,167
Rd. fork S. -----	37 46 07.5	90 49 02.5	3,594
Caledonia, intersection of Main Street and Irontdale rd. -----	37 45 59.7	90 46 21.6	12,956
Caledonia, at front entrance to Methodist Church, in S. sandstone step; aluminum tablet stamped "Prim Trav Sta No 540 1903 923 Adj" -----	37 45 48.55	90 46 21.26	233

3. FROM BERRYMAN QUADRANGLE AT SEC. 14, T. 36 N., R. 1 W., NORTH TO SEC. 36,
T. 37 N., R. 1 W. (by J. L. Sanders in 1926)
(Continued from Berryman quadrangle; see line 4.)

Palmer, in SW. corner of foundation stone of post office, 5 ft. above ground; aluminum tablet stamped "T T 131 S 1926 1903 900 Adj" -----	37 50 22.53	90 59 44.24	(6,006)
Dim rd. forks -----	37 51 04.6	90 58 47.0	6,258
Rd. forks -----	37 51 53.8	90 58 46.5	4,982
Prim Trav Sta No 297 1903 1002 Adj (previously described) -----	37 52 42.58	90 59 35.09	6,286

4. FROM RICHWOODS QUADRANGLE AT SEC. 20, T. 38 N., R. 2 E., WEST TO
SEC. 34, T. 38 N., R. 1 E. (by C. D. Craig in 1935)

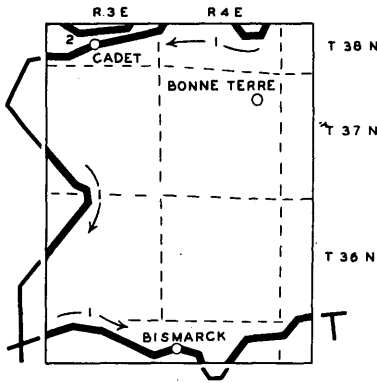
Aptus-Potosi rd. at rd. W. to Latty (in Richwoods quadrangle) -----	38 00 16.1	90 49 28.9	.....
Fence corner at corner of three farms -----	37 59 56.9	90 50 10.4	3,851
Rd., 52 ft. E. of SW. corner of dwelling of Noah Polietette -----	37 59 44.9	90 50 00.1	1,469
Corner of wire fences S. and W. and rail fence E. along N. side of lane -----	37 59 33.5	90 50 29.4	2,618
Potosi, 7 mi. NW. of, by rd., near quarter cor. between secs. 29 and 30, T. 38 N., R. 2 E., 450 ft. NW. of Pleasant Hill Christian Church, 65 ft. W. of crossroads, 2 ft. N. and 10 ft. W. of 20-in. oak tree at fence corner, in concrete post; standard tablet stamped "T T 1711 E R A 1935 815" -----	37 59 17.04	90 51 03.44	3,194
T. 38 N., R. 2 E., approximate W. quarter cor. sec. 30, rd. corner from E.-S. -----	37 59 18.2	90 51 56.7	4,265
Rd. at fence N. -----	37 59 06.3	90 52 13.6	1,809
Crossroads, on top of divide, 18 ft. S. and 15 ft. W. from triangular-blazed 26-in. black-oak tree -----	37 58 44.5	90 52 37.6	2,926
T. 38 N., R. 1 E., quarter cor. between secs. 35 and 36 (previously described) -----	37 58 30.6	90 53 05.7	2,656
Latty, about 0.5 mi. SE. of old location, near center of E 1/2 sec. 35, T. 38 N., R. 1 E., 95 ft. E. of Little Fourche a Renault Creek and N.-S. rd., 44 ft. S. rd., 8 ft. E. of gate to William Atkins' yard, in concrete post; standard tablet stamped "T T 1712 E R A 1935 810" -----	37 58 32.46	90 53 16.03	853
Rd. fork E. -----	37 58 30.4	90 53 50.3	2,753
Prim Trav Sta No 79 1913 790 (previously described) -----	37 58 47.27	90 55 00.93	5,912

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
5. FROM RICHWOODS QUADRANGLE AT SEC. 23, T. 38 N., R. 1 E., SOUTH TO SEC. 35, T. 38 N., R. 1 E. (by J. J. Beinlich in 1936)			
T T 34 J J 1936 (in Richwoods quadrangle) -----	38 00 39.26	90 52 42.24	.....
Rd. in front of small dwelling -----	37 59 56.0	90 53 29.0	5,757
Rd. fork NW. -----	37 59 01.0	90 53 37.0	5,604
T T 1712 E R A 1935 810 (previously described) -	37 58 32.46	90 53 16.03	5,338

Magnetic declination in 1904, 5° 45' E.

BONNE TERRE QUADRANGLE
(Latitude 37°45'-38°00'; longitude 90°30'-90°45')

St. Francois and Washington Counties



1. FROM DE SOTO QUADRANGLE AT SEC. 24, T. 38 N., R. 4 E., WEST BY WAY OF CADET TO SEC. 31, T. 38 N., R. 3 E., THENCE SOUTH TO SEC. 6, T. 35 N., R. 3 E., THENCE EAST TO BISMARCK, THENCE EAST ALONG MISSOURI PACIFIC R.R. INTO FARMINGTON QUADRANGLE (by J. R. Ellis in 1903)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Silver Springs, Missouri-Illinois R.R. at rd. crossing (in De Soto quadrangle) -----	38 00 01.3	90 31 32.2	.....
Crossroads -----	37 59 51.7	90 32 45.0	5,908
T. 38 N., R. 4 E., cor. secs. 14, 15, 22, and 23 (in De Soto quadrangle) -----	38-00 09.8	90 33 50.8	5,536
T. 38 N., R. 4 E., cor. secs. 17, 18, 19, and 20 (in De Soto quadrangle) -----	38 00 27.7	90 37 16.3	.....
T-rd. NW. -----	37 59 59.3	90 38 25.5	6,607
Rd. fork N. -----	37 59 45.6	90 39 33.9	5,643
T-rd. N. -----	37 59 08.7	90 40 52.6	7,318
White, Missouri Pacific R.R. at rd. crossing -----	37 58 51.3	90 42 15.4	6,857
Junction of Selby, Mineral Point, and Shibbeloth rds. -----	37 58 07.1	90 43 30.5	7,493
Crossroads -----	37 57 59.2	90 44 36.8	6,678
(For balance in Potosi quadrangle, see line 1.)			
Rd. fork SE. -----	37 53 24.5	90 44 14.8	(7,753)
Crossroads -----	37 52 52.4	90 43 04.3	7,826
Intersection of Irondale-Potosi and Hunters Mill-Potosi rds. -----	37 52 28.1	90 42 54.0	2,584
Caledonia-Irondale rd. at rd. SW. -----	37 51 00.6	90 43 52.2	9,984
Crossroads -----	37 50 22.6	90 44 55.5	6,326

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

Rd. fork NW. -----	37 46 26.4	90 44 44.2	(8,180)
Caledonia-Irondale rd. at rd. to Bismarck -----	37 46 51.6	90 42 42.2	10,130
Rd. fork SW. -----	37 45 52.2	90 41 30.8	8,334
Rd. fork N. -----	37 45 20.0	90 39 43.3	9,227
Crossroads on St. Francois-Washington county line Bismarck, Missouri Pacific R.R. at street crossing, 210 ft. SE. of sta. -----	37 45 31.5	90 38 38.2	5,349
	37 46 06.4	90 37 33.9	6,357

Station	Latitude			Longitude			Distance
	°	'	"	°	'	"	
T. 35 N., R. 4 E., cor. secs. 5, 6, 7, and 8 (?) -	37	45	55.3	90	37	24.3	1,502
R.R. at N.-S. rd. crossing -----	37	45	36.5	90	36	39.8	4,228

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

R.R. at private rd. crossing NW.-SE. -----	37	46	05.3	90	33	00.1	14,982
Loughboro, R.R. at N.-S. rd. crossing -----	37	46	38.5	90	31	02.0	5,030

(Continued in Farmington quadrangle; see line 1.)

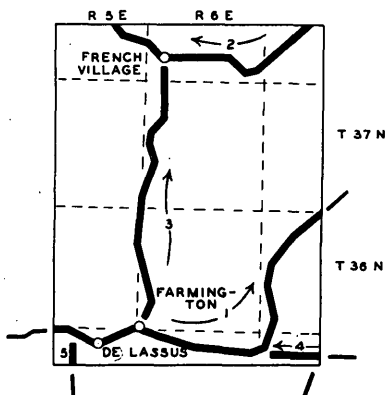
2. FROM DE SOTO QUADRANGLE AT SEC. 20, T. 38 N., R. 3 E., SOUTHEAST TO CADET, THENCE NORTHEAST INTO DE SOTO QUADRANGLE AT SEC. 19, T. 38 N., R. 4 E. (by J. M. Lawson in 1930)

Happy Hollow, center of culvert over (in De Soto quadrangle) -----	38	00	05.2	90	43	29.0	.....
National Pigment Co. R.R. at rd. crossing -----	37	59	40.5	90	43	00.1	3,490
Cadet, 1.1 mi. W. of, 93 ft. E. and 21 ft. N. of crossroads, 20 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 19 L 1930" -----	37	59	34.52	90	42	27.30	2,699
Cadet, Missouri Pacific R.R. semaphore at sta. window, 65 ft. NE. of main track at rd. crossing -----	37	59	13.1	90	41	17.5	5,997
T-rd. NW. -----	37	59	02.4	90	41	11.8	1,173
T-rd. N. -----	37	59	06.4	90	40	53.9	1,486
Center of triangle at rd. fork SE. -----	37	59	09.9	90	40	30.0	1,952
Mill Creek, center of rd. at crossing of -----	37	59	38.6	90	39	39.4	4,980
Cadet, 2.5 mi. E. of, 0.6 mi. E. of crossing of Mill Creek, 62 ft. E. and 8 ft. S. of center of triangle at rd. fork N., 10 ft. N. of rd. E., 14 ft. E. of angle in rail fence, in concrete post; standard tablet stamped "T T 20 L 1930" -	37	59	40.79	90	39	01.73	3,029
St. Francois-Washington county line, rd. at fence S. -----	37	59	56.7	90	38	27.8	3,154
Rd. fork SE. (in De Soto quadrangle) -----	38	00	09.3	90	37	46.3	3,563

Magnetic declination in 1903, 5° 30' E.

FARMINGTON QUADRANGLE
(Latitude 37°45'-38°00'; longitude 90°15'-90°30')

St. Francois and Ste. Genevieve Counties



1. FROM BONNE TERRE QUADRANGLE SOUTHEAST ALONG MISSOURI PACIFIC RAILROAD TO DE LASSUS, THENCE EAST ALONG ROADS, BY WAY OF FARMINGTON, TO SEC. 6, T. 35 N., R. 7 E., THENCE NORTHEAST INTO WEINGARTEN QUADRANGLE AT SEC. 34, T. 37 N., R. 7 E. (by J. R. Ellis in 1903)
(Continued from Bonne Terre quadrangle; see line 1.)

Station	Latitude			Longitude			Distance
	°	'	"	°	'	"	
R.R. at N.-S. rd. crossing, 1,000 ft. E. of bridge 843 -----	37	46	29.3	90	29	44.4	(6,309)
Doe Run Junction, crossing of Missouri-Illinois R.R. -----	37	46	20.8	90	29	20.0	2,132
De Lassus, R.R. at rd. crossing near sta. -----	37	45	44.5	90	27	26.2	9,870

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Farmington, intersection of Main Street and Cosey Avenue -----	37 46 50.7	90 25 33.7	11,262
Intersection of Plank Road and St. Marys rd. -----	37 46 38.3	90 24 11.0	6,932
T. 35 N., R. 6 E., quarter cor. between secs. 4 and 5 -----	37 45 59.8	90 23 00.6	6,735
T. 35 N., R. 6 E., quarter cor. between secs. 3 and 4 -----	37 45 58.2	90 21 53.4	5,405
T. 35 N., R. 6 E., quarter cor. between secs. 2 and 3 -----	37 45 58.9	90 20 45.8	5,436
Junction of rd. N. -----	37 45 54.7	90 18 28.1	11,058
Rd. fork N. -----	37 45 44.9	90 18 05.9	7,612
T-rd. S. -----	37 48 39.2	90 18 15.6	9,588
T-rd. E. -----	37 49 35.5	90 18 25.2	5,752
T. 36 N., R. 7 E., W. cor. secs. 7 and 18 -----	37 49 56.6	90 18 20.7	2,170
North Fork of Jonca Creek, iron bridge over -----	37 50 37.0	90 17 07.1	7,825
Missouri-Illinois R.R. at crossing of Plank Road -----	37 51 35.4	90 16 16.2	7,185

(Continued in Weingarten quadrangle; see line 1.)

2. FROM CRYSTAL CITY QUADRANGLE AT SEC. 17, T. 38 N., R. 7 E., WEST BY WAY OF FRENCH VILLAGE INTO CRYSTAL CITY QUADRANGLE AT SEC. 16, T. 38 N., R. 5 E. (by J. R. Ellis in 1903)

Rd. fork E. (in Renault quadrangle) -----	38 01 02.9	90 14 20.1	.....
Junction of Goose and Fourche a du Clos Creeks, near rd. fork NE. -----	37 59 52.3	90 16 27.2	12,378
Intersection of Ste. Genevieve and Crystal City rds., 0.3 mi. N. of Lawrenceton -----	37 58 16.2	90 18 06.4	12,664
Rd. junction at corner of field -----	37 57 54.4	90 19 58.2	9,228
Rd. fork W., near top of hill -----	37 58 08.4	90 20 52.1	4,554
T. 38 N., R. 6 E., cor. secs. 27, 28, 33, and 34 (?) -----	37 58 10.7	90 21 43.4	4,152
French Village, rd. junction -----	37 58 23.3	90 23 20.3	7,840
St. Louis Road at crossing of French Village-Valles Mines rd. -----	37 58 36.0	90 24 45.3	7,237
Rd. fork E. -----	37 59 13.6	90 25 40.6	5,673
Rd. fork NW. -----	37 59 26.3	90 26 21.1	5,794
Crossroads (in Crystal City quadrangle) -----	38 00 02.5	90 28 34.3	9,086

3. FROM FARMINGTON NORTH ALONG ST. LOUIS ROAD TO POINT 1.5 MILES WEST OF FRENCH VILLAGE (by Sledge Tatum in 1904)

Intersection of Plank Road and St. Marys rd. (previously described) -----	37 46 38.3	90 24 11.0	.....
Farmington, at W. side of entrance on S. side of courthouse, 2 ft. above ground, in foundation; aluminum tablet stamped "917" -----	37 46 49.6	90 25 11.5	5,334
Junction of rd. E. -----	37 48 18.9	90 25 01.0	9,011
Farmington Junction, Missouri-Illinois R.R. at rd. crossing -----	37 49 52.4	90 25 08.7	9,761
Junction of rd. W. -----	37 51 05.3	90 25 17.0	7,396
Three Rivers Baptist Church, 0.2 mi. W. of, on E. side of St. Louis Road, 60 ft. N. of crossroad, in solid rock; standard tablet stamped "Prim Trav Sta No 35" -----	37 51 42.5	90 25 17.4	3,691
Junction of rd. W. -----	37 52 34.6	90 25 15.0	5,261
Junction of rd. E. -----	37 53 21.7	90 25 04.2	4,802
Junction of rd. W. -----	37 54 11.5	90 24 54.0	5,056
Junction of rd. E. -----	37 54 40.9	90 24 49.6	2,972
Terre Bleue Creek, center of bridge over -----	37 55 12.6	90 24 57.2	3,195
Jaydee, opposite post office, in SE. corner of foundation of N. Chatmen's house; standard tablet stamped "Prim Trav Sta No 60 804" -----	37 55 37.0	90 24 54.6	2,465
Junction of rd. W. -----	37 56 12.5	90 24 53.3	3,571
Junction of rd. E. to French Village -----	37 57 42.8	90 24 55.3	9,075
St. Louis Road at crossing of French Village-Valles Mines rd. (previously described) -----	37 58 36.0	90 24 45.3	5,449

4. FROM WEINGARTEN QUADRANGLE AT SEC. 10, T. 35 N., R. 7 E., WEST TO SEC. 6, T. 35 N., R. 7 E. (by J. R. Ellis in 1907)
(Continued from Weingarten quadrangle; see line 3.)

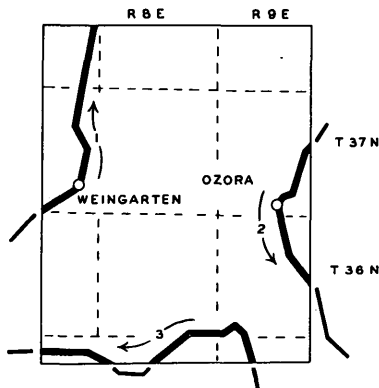
Avon, 2 mi. W. of, 15 ft. S. and 25 ft. E. of crossroads, 2 ft. S. of wire fence; iron post stamped "Prim Trav Sta No 4 1907 989" -----	37 45 03.08	90 15 32.53	(10,305)
Junction of Avon-Farmington and Coffman-Farmington rds. -----	37 45 32.6	90 16 12.2	4,408
Crossroads -----	37 45 44.9	90 18 05.9	9,110
Junction of rd. N. (previously described) -----	37 45 54.7	90 18 28.1	2,033

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
5. FROM FREDERICKTOWN QUADRANGLE NORTH ALONG MISSOURI-ILLINOIS RAILROAD TO DOE RUN JUNCTION (by J. L. Sanders in 1926) (Continued from Fredericktown quadrangle; see line 3.)			
R.R. at rd. crossing -----	37 45 06.0	90 29 12.9	(2,526)
St. Francis River, center of bridge over -----	37 46 03.6	90 29 06.9	5,844
Doe Run Junction, crossing of Missouri-Illinois R.R. (previously described) -----	37 46 20.8	90 29 20.0	2,041

Magnetic declination in 1904, 5° 45' E.

WEINGARTEN QUADRANGLE *
(Latitude 37°45'–38°00'; longitude 90°00'–90°15')

Perry and Ste. Genevieve Counties



1. FROM FARMINGTON QUADRANGLE AT SEC. 34, T. 37 N., R. 7 E., EAST AND
NORTH ALONG MISSOURI-ILLINOIS RAILROAD TO SEC. 24, T. 37 N.,
R. 7 E., THENCE NORTH INTO RENAULT QUADRANGLE AT SEC. 13,
T. 38 N., R. 7 E. (by J. R. Ellis in 1903)
(Continued from Farmington quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
R.R. at crossing of Plank Road -----	37 52 33.7	90 13 36.6	(14,110)
Weingarten, R.R. at rd. crossing -----	37 53 15.6	90 12 52.6	5,522
R.R. at crossing of Plank Road -----	37 54 03.4	90 12 48.9	4,644
T-rd. at corner of field -----	37 54 51.8	90 12 56.8	4,942
Rd. forks -----	37 56 06.8	90 13 24.2	7,865
Rd. forks just E. of Establishment Creek -----	37 58 58.7	90 12 36.7	17,858
Bloomdsdale, crossroads (in Renault quadrangle) --	38 00 29.4	90 13 04.9	9,338

2. FROM CHESTER QUADRANGLE AT SEC. 13, T. 37 N., R. 9 E., SOUTH INTO CHESTER
QUADRANGLE AT SEC. 24, T. 36 N., R. 9 E. (by J. R. Ellis in 1907)
(Continued from Chester quadrangle; see line 1.)

Stone at rd. corner and junction of lane -----	37 53 18.5	90 00 29.5	6,590
Stone in rd. at dwelling of Charles Fitchcomb ---	37 52 55.1	90 01 32.2	5,568
Rd. at land grant line -----	37 52 55.1	90 01 37.0	385
Ozora School, crossroads -----	37 52 25.0	90 02 05.1	3,795
Ozora, 1.2 mi. S. of, just N. of Little Saline Creek, 50 ft. N. of rd. forks, at S. corner of farm of John Zahferliff; iron post stamped "Prim Trav Sta No 1 1907 Mo" -----	37 50 50.4	90 01 56.4	9,604
Large sycamore tree at rd. forks near site of old sawmill -----	37 50 13.5	90 01 04.3	5,604
Center of gate on land grant line -----	37 49 28.2	90 01 03.3	4,613
Saline Valley R.R. at rd. crossing just E. of Saline Creek -----	37 49 10.8	90 00 45.7	2,247
Rd. at Perry-Ste. Genevieve county line -----	37 49 00.1	90 00 10.0	(3,059)

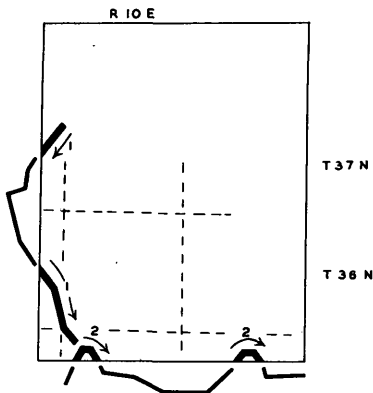
(Continued in Chester quadrangle; see line 1.)

* A small part of this quadrangle lies in Illinois.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
3. FROM HIGDON QUADRANGLE AT SEC. 10, T. 35 N., R. 9 E., WEST INTO FARMINGTON QUADRANGLE AT SEC. 10, T. 35 N., R. 7 E. (by J. R. Ellis in 1907) (Continued from Higdon quadrangle; see line 3.)			
T-rd. W. (Rd. W. follows Cedar Fork Creek) -----	37 45 20.5	90 01 17.2	(6,692)
Old Farmington rd. at Perry-Ste. Genevieve county line, 180 ft. E. of rd. NE. -----	37 45 44.6	90 02 26.5	6,079
Saline Valley R.R. at rd. crossing at old site of Minnith -----	37 47 02.5	90 04 01.4	10,962
Rd. forks at entrance to lane near dwelling of John Eberlie -----	37 46 40.7	90 05 00.5	5,250
Rd. on line between secs. 31 and 36, T. 36 N., Rs. 8 and 9 E. -----	37 47 04.4	90 05 30.4	3,398
Telephone pole at rd. forks -----	37 46 52.8	90 06 45.3	6,134
Ulam, near old site of post office, W. of St. Marys-Farmington rd. at rd. S. to Fredericktown; iron post stamped "Prim Trav Sta No 3 1907 Missouri" -----	37 45 41.08	90 06 00.78	9,452
(For balance in Higdon quadrangle, see line 4.)			
Avon, in W. part of, T-rd. N., 20 ft. SW. of corner of stone wall -----	37 45 03.9	90 13 24.2	10,070
(Continued in Farmington quadrangle; see line 4.)			
Magnetic declination in 1907, 4° 45' E.			

CHESTER QUADRANGLE *
(Latitude 37°45'-38°00'; longitude 89°45'-90°00')

Perry and Ste. Genevieve Counties



1. FROM SEC. 13, T. 37 N., R. 9 E., SOUTH TO SEC. 7, T. 35 N., R. 10 E.
(by J. R. Ellis in 1907)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
M.R.C. triangulation sta. designated "Vause" ----	37 54 48.33	89 59 19.41	.....
Stone at rd. forks -----	37 54 16.6	89 59 52.4	4,156
(For balance in Weingarten quadrangle, see line 2.)			
Mine La Motte Road at rd. N. near dwelling of W. E. Cambran -----	37 46 16.6	89 59 25.3	5,685
T-rd. S. -----	37 47 51.5	89 59 59.5	3,746
T. 35 N., R. 9 E., NE. cor. sec. 2, 20 ft. NE. of large, white-oak bearing tree -----	37 46 18.0	89 59 55.8	9,472
Maple tree in center of triangle at rd. forks, near Cedar Fork Creek -----	37 46 39.7	89 59 59.4	2,214
Stone at entrance to lane, near junction of rd. SW. -----	37 46 03.1	89 59 25.1	4,622

* Part of this quadrangle lies in Illinois.

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
Cedar Fork Church, 2 mi. E. of, 4 ft. S. of SE. corner of blacksmith shop of Henry Willand; iron post stamped "Prim Trav Sta No 2 1907 Mo"-	37 45 09.70	89 58 18.01	7,637

2. FROM SEC. 7, T. 35 N., R. 10 E., EAST INTO PERRYVILLE QUADRANGLE AT SEC. 10, T. 35 N., R. 11 E. (by J. H. Wilson in 1913)

Prim Trav Sta No 2 1907 Mo (previously described)	37 45 09.70	89 58 18.01	
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(For balance in Perryville quadrangle, see line 2.)

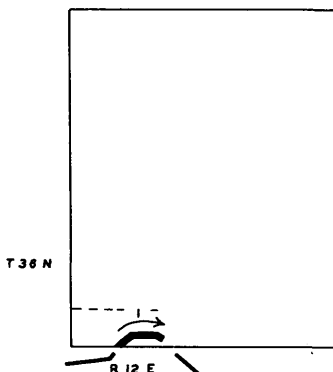
Rd. forks, 35 ft. N. of mail box of J. Colin ----	37 45 03.3	89 48 30.7	(8,020)
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(Continued in Perryville quadrangle; see line 2.)

Magnetic declination in 1913, 5° E.

CAMPBELL HILL QUADRANGLE *
(Latitude 37°45'-38°00'; longitude 89°30'-89°45')

Perry County



1. FROM ALTENBURG QUADRANGLE AT SEC. 9, T. 35 N., R. 12 E., EAST TO SEC. 11, T. 35 N., R. 12 E. (by J. H. Wilson in 1913)
(Continued from Altenburg quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
Turn in narrow rd. leading to dwelling, 200 ft. N. of main rd. -----	37 45 08.7	89 41 47.4	(7,990)
Grand Eddy, St. Louis-San Francisco Ry. crossing- M.R.C. triangulation sta. designated "Brick House" -----	37 45 21.3	89 41 06.9	3,489
M.R.C. copper bolt designated "42" -----	37 45 19.68	89 41 08.38	220
	37 45 09.64	89 40 45.37	1,945

Magnetic declination in 1916, 4° 45' E.

*The greater part of this quadrangle lies in Illinois.