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# TRANSIT TRAVERSE IN MISSOURI

## PART 3. EAST-CENTRAL MISSOURI

1903-37

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Prepared in cooperation with the

STATE OF MISSOURI

GEOLOGICAL SURVEY AND WATER RESOURCES

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# TRANSIT TRAVERSE IN MISSOURI

## PART 3. EAST-CENTRAL 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.

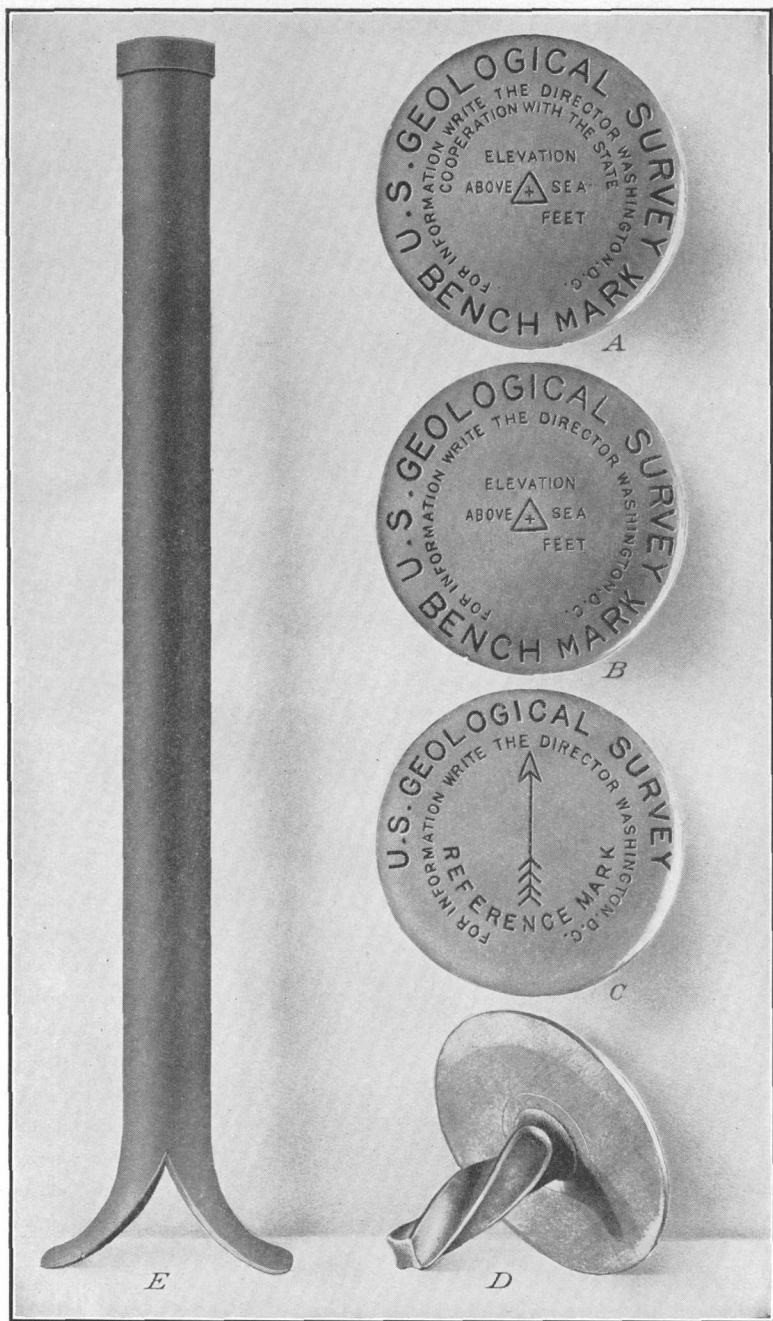
While the original surveys were undoubtedly well done, the complications involved in the recovery of stations and in recomputations introduced minor inconsistencies which often resulted in excessive closure errors. It is recommended, therefore, that the positions of points in these lines as published 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  $3\frac{7}{8}$  inches in diameter, and taper from a thickness of three-eighths of an inch at the center to about a quarter of an inch near the rounded edge. During a short period in the 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  $\frac{3}{4}$ -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.

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\*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.—East-central Missouri, as the term is used in this bulletin and as the subject of part 3 of the bulletin, is that section of the State lying between latitudes  $38^{\circ}00'$  and  $39^{\circ}15'$  and east of longitude  $92^{\circ}00'$ . (See fig. 5.)

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

Maps of many of the quadrangles in east-central Missouri may be purchased at 10 cents each retail or 6 cents each in lots of 50 or more. Prepayment is required and may be made by money order, payable to the Director, Geological Survey, United States Department of the Interior, or in cash—the exact amount, at sender's risk. Postage stamps should not be sent.

Diagrams of quadrangles showing routes of 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 east-central Missouri was done under the supervision of the several chief geographers or chief topographic engineers who were in administrative charge of the topographic branch during the years when the lines were run. Included in the heading that precedes the descriptions 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.

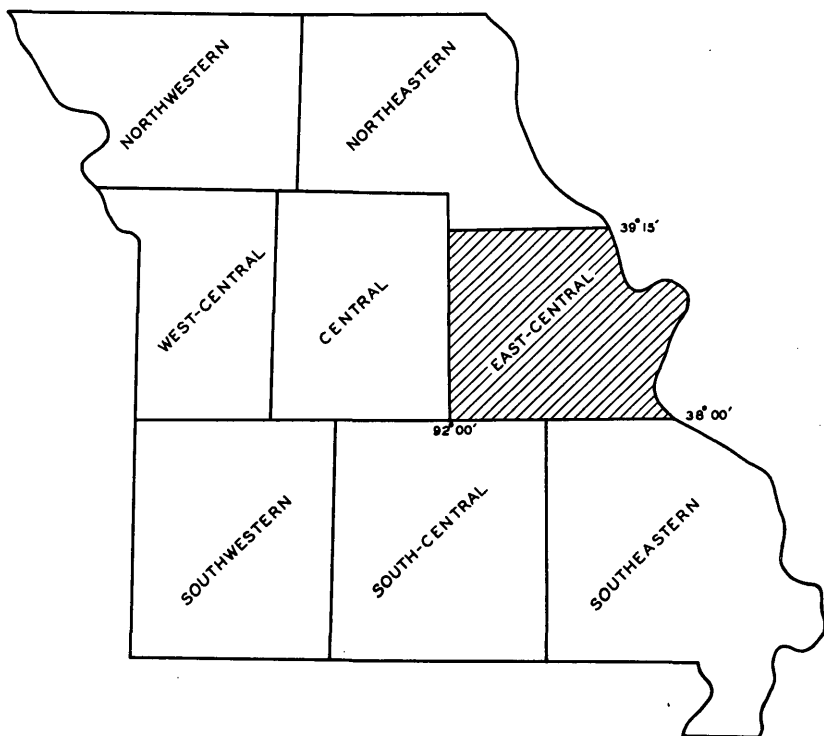
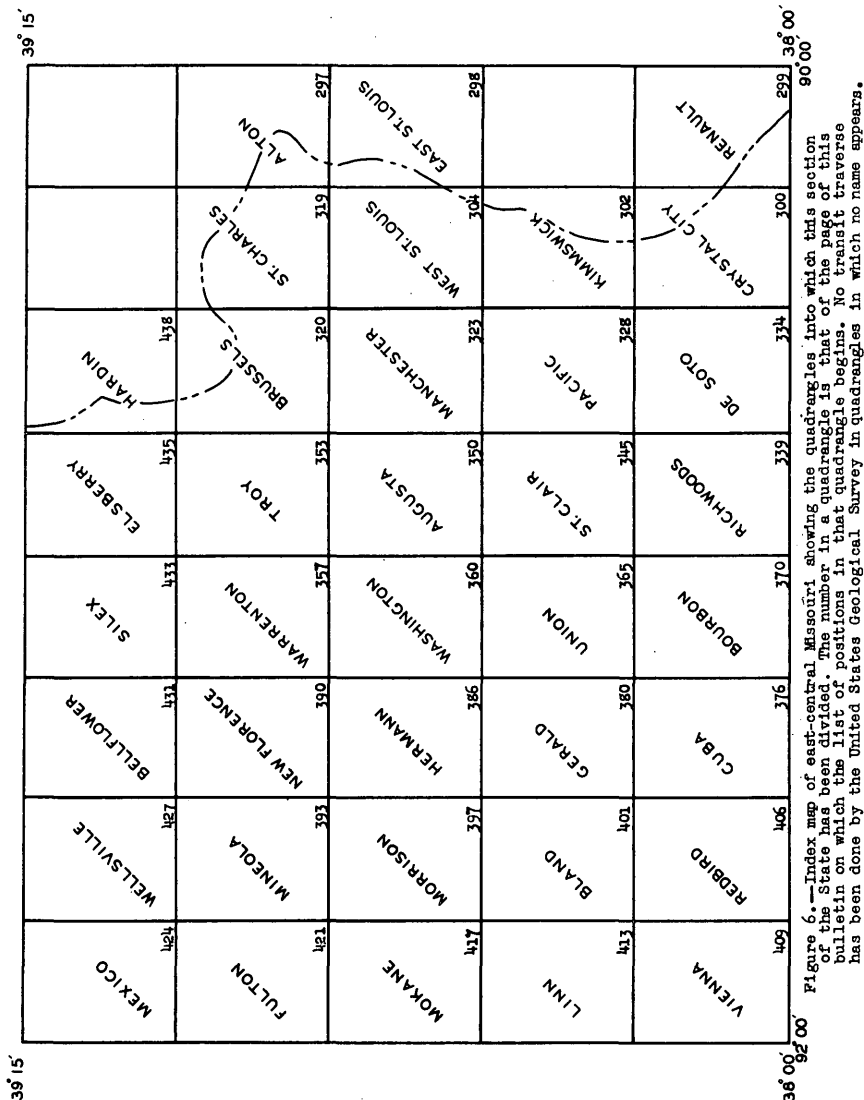


Figure 5.—Outline map of Missouri showing the names and relative position of the eight sections covered by the parts of Bulletin 916, on transit traverse in the State. The shaded portion represents the section designated as east-central Missouri.

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, 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.

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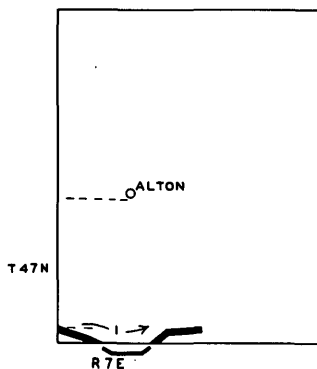
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# TRANSIT TRAVERSE

ALTON QUADRANGLE \*  
 (Latitude 38°45'-39°00'; longitude 90°00'-90°15')  
 St. Charles and St. Louis Counties



1. FROM ST. CHARLES QUADRANGLE AT SEC. 5, T. 46 N., R. 7 E., EAST TO  
 ST. LOUIS CITY WATERWORKS AT CHAIN OF ROCKS (by W. R. Broadus in 1933)  
 (Continued from West St. Louis quadrangle; see line 22.)

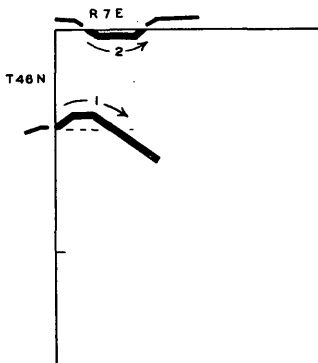
| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Intersection of State Highway 99 and Chambers rd.  | 38 45 02.9  | 90 14 21.0  | (4,303)  |
| (For balance in East St. Louis quadrangle, see line 2.)                                    |             |             |          |
| Chimney of St. Louis City Waterworks -----   | 38 45 34.8  | 90 11 02.9  | (6,774)  |
| Finial of intake tower of St. Louis City<br>Waterworks (U.S.C.E. triangulation sta.) ----- | 38 45 30.38 | 90 10 36.26 | 2,157    |

Magnetic declination in 1935, 5° E.

\* The greater part of this quadrangle lies in Illinois.

## TRANSIT TRAVERSE IN MISSOURI

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



1. FROM WEST ST. LOUIS QUADRANGLE AT KINGSHIGHWAY AND PENROSE AVENUE SOUTHEAST TO GRAND BOULEVARD AND FOURTEENTH STREET (by W. R. Broadus in 1932)  
 (Continued from West St. Louis quadrangle; see line 8.)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Center of small park at intersection of Kingshighway and Penrose Avenue -----                                   | 38 40 54.2  | 90 14 52.4  | (2,324)  |
| Intersection of West Florissant and Carrie Avenues -----  | 38 40 53.9  | 90 13 31.0  | 6,453    |
| Intersection of Adelaide Avenue and Conde Street - St. Louis Standpipe triangulation sta. (U.S.C. & G.S.) ----- | 38 40 40.6  | 90 12 51.8  | 3,389    |
|   | 38 40 13.49 | 90 12 30.26 | 3,241    |

2. FROM ALTON QUADRANGLE EAST ALONG CHAMBERS ROAD INTO ALTON QUADRANGLE NEAR ST. LOUIS CITY WATERWORKS (by W. R. Broadus in 1933)  
 (Continued from Alton quadrangle; see line 1.)

|  |            |            |         |
|--|------------|------------|---------|
| Intersection of Bellefontaine Road ----- | 38 44 58.0 | 90 13 26.1 | (4,378) |
| Intersection of River View Road -----    | 38 44 42.6 | 90 11 56.4 | 7,270   |

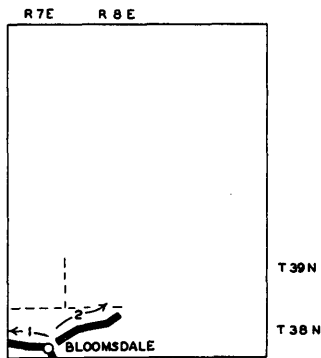
(Continued in Alton quadrangle; see line 1.)

Magnetic declination in 1933,  $5^{\circ}$  E.

\* The greater part of this quadrangle lies in Illinois.

RENAULT QUADRANGLE \*  
(Latitude  $38^{\circ}00' - 38^{\circ}15'$ ; longitude  $90^{\circ}00' - 90^{\circ}15'$ )

Ste. Genevieve County



1. FROM WEINGARTEN QUADRANGLE AT POINT ABOUT 1.5 MILES SOUTHEAST OF BLOOMSDALE, NORTHWEST INTO CRYSTAL CITY QUADRANGLE AT SEC. 10, T. 38 N., R. 7 E. (by J. R. Ellis in 1903)

| Station   | Latitude   | Longitude  | Distance |
|---|------------|------------|----------|
|   | ° ' "      | ° ' "      | Feet     |
| Rd. forks just E. of Establishment Creek (in Weingarten quadrangle) -----                       | 37 58 58.7 | 90 12 36.7 | .....    |
| Bloomdsale, crossroads -----  | 38 00 29.4 | 90 13 04.9 | 9,338    |
| Rd. fork E. -----   | 38 01 02.9 | 90 14 20.1 | 6,923    |
| Junction of Goose and Fourche a du Clos Creeks, near rd. fork NE. (in Farmington quadrangle) -- | 37 59 52.3 | 90 16 27.2 | 12,378   |

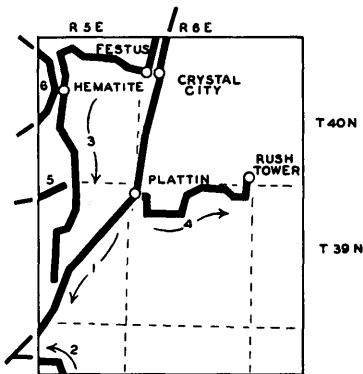
2. FROM BLOOMSDALE NORTHEAST TO SEC. 33, T. 39 N., R. 8 E. (by J. R. Ellis in 1903)

|   |             |             |        |
|---|-------------|-------------|--------|
| Crossroads (previously described) -----             | 38 00 29.4  | 90 13 04.9  | .....  |
| T-rd. SE. at Establishment Creek -----              | 38 02 24.6  | 90 10 17.8  | 17,818 |
| M.R.C.** triangulation sta. designated "Magnolia" - | 38 02 42.44 | 90 08 38.80 | 8,080  |

Magnetic declination in 1911,  $5^{\circ} 30'$  E.

\*The greater part of this quadrangle lies in Illinois.  
\*\*Mississippi River Commission.

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



1. FROM KIMMSWICK QUADRANGLE SOUTHWEST ALONG MISSOURI-ILLINOIS RAILROAD INTO DE SOTO QUADRANGLE (by J. R. Ellis in 1903)  
 (Continued from Kimmswick quadrangle; see line 1.)

| Station   | Latitude   | Longitude  | Distance |
|---|------------|------------|----------|
|   | ° ' "      | ° ' "      | Feet     |
| R.R. at overhead rd. crossing -----                             | 38 13 39.8 | 90 22 40.3 | (27,540) |
| Festus, R.R. at rd. crossing S. of sta. -----                   | 38 13 04.6 | 90 23 01.5 | 3,948    |
| R.R. at rd. crossing -----                                      | 38 12 13.6 | 90 23 27.0 | 5,534    |
| Ste. Genevieve, R.R. at rd. crossing, 250 ft. SW. of sta. ----- | 38 10 50.2 | 90 23 30.7 | 8,442    |
| R.R. at rd. crossing -----                                      | 38 08 55.3 | 90 24 02.7 | 11,898   |
| Plattin, R.R. at rd. crossing, 50 ft. N. of sta. -----          | 38 07 52.8 | 90 24 39.1 | 6,959    |
| R.R. at private rd. crossing -----                              | 38 06 43.6 | 90 25 39.4 | 8,486    |
| T. 39 N., R. 5 E., quarter cor. between secs. 11 and 14 -----   | 38 06 04.4 | 90 26 34.8 | 5,943    |
| R.R. trestle over rd. -----                                     | 38 05 17.4 | 90 27 43.9 | 7,282    |
| R.R. at rd. crossing -----                                      | 38 04 25.3 | 90 28 07.2 | 5,580    |
| R.R. at rd. crossing at milepost 19 -----                       | 38 03 21.3 | 90 28 35.8 | 6,869    |
| Valles Mines, R.R. at rd. crossing -----                        | 38 02 28.7 | 90 29 51.9 | 8,066    |

(Continued in De Soto quadrangle; see line 1.)

2. FROM FARMINGTON QUADRANGLE AT SEC. 16, T. 38 N., R. 5 E., NORTHWEST INTO DE SOTO QUADRANGLE AT SEC. 17, T. 38 N., R. 5 E. (by J. R. Ellis in 1903)

|   |            |            |       |
|---|------------|------------|-------|
| Rd. fork NW. (in Farmington quadrangle) -----             | 37 59 26.3 | 90 26 51.1 | ..... |
| Crossroads -----  | 38 00 02.5 | 90 28 34.3 | 9,051 |
| French Village-Valles Mines rd. at rd. W. to Tunnel ----- | 38 00 44.7 | 90 29 16.8 | 5,455 |

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

3. FROM KIMMSWICK QUADRANGLE SOUTHWEST ALONG MISSOURI-ILLINOIS RAILROAD TO POINT NEAR FESTUS, THENCE NORTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO POINT NEAR SILICA, THENCE NORTHWEST ALONG ROADS TO ZION SCHOOL AND SOUTH TO VALLES MINES (by J. H. Wilson in 1913)

|  |             |             |       |
|--|-------------|-------------|-------|
| Joachim triangulation sta.; M.R.C. iron pipe stamped "Joachim" (in Kimmswick quadrangle) --- | 38 15 10.92 | 90 22 12.54 | ..... |
| R.R. at rd. crossing -----   | 38 14 03.6  | 90 22 13.8  | 6,811 |
| Festus, R.R. at rd. crossing, 300 ft. W. of sta. -----                                       | 38 13 25.6  | 90 23 37.5  | 7,722 |
| Silica junction, R.R. at rd. crossing, 1,000 ft. NW. of -----                                | 38 13 48.9  | 90 25 03.8  | 7,292 |
| Silica, R.R. at rd. crossing -----   | 38 14 05.3  | 90 25 33.8  | 2,909 |
| Rd. forks -----  | 38 14 12.6  | 90 26 29.4  | 4,508 |
| T-rd. S. -----   | 38 14 13.2  | 90 28 04.4  | 7,576 |
| Rd. forks -----  | 38 14 21.0  | 90 28 19.1  | 1,419 |
| T-rd. E. -----   | 38 14 43.0  | 90 28 43.8  | 2,971 |
| T. 41 N., R. 5 E., cor. secs. 28, 29, 32, and 33, SW. corner of cemetery -----               | 38 14 56.0  | 90 28 53.5  | 1,523 |
| Zion School, in SE. corner of yard; iron post stamped "Prim Trav Sta No 1 1913" -----        | 38 14 55.76 | 90 29 00.92 | 596   |
| T. 41 N., R. 5 E., S. cor. secs. 32 and 33 -----   | 38 14 02.5  | 90 28 54.3  | 5,417 |

\* Part of this quadrangle lies in Illinois.

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Rd. at top of ridge, opposite gate W. of rd.,<br>500 ft. N. of junction of dim rd. -----  | 38 13 14.6  | 90 29 12.0  | 5,063    |
| Hematite, R.R. at rd. crossing at sta. -----  | 38 12 09.7  | 90 28 43.0  | 6,992    |
| Hematite, rd. at E. edge of ford across Joachim<br>Rd. forks, 900 ft. E. of Joachim Creek -----   | 38 11 51.0  | 90 28 51.5  | 2,009    |
| Rd. forks in creek bottom, 600 ft. NW. of Beckler<br>dwelling -----   | 38 11 33.9  | 90 28 56.8  | 1,787    |
| T. 40 N., R. 5 E., E. sixteenth cor. sec. 28,<br>T-rd. E. -----   | 38 10 43.6  | 90 28 21.3  | 5,823    |
| Crossroads -----  | 38 10 02.2  | 90 28 07.9  | 4,322    |
| T. 40 N., R. 5 E., cor. secs. 27, 28, 33, and 34 -----  | 38 09 48.3  | 90 28 08.5  | 1,410    |
| T. 39 N., R. 5 E., N. cor. secs. 3 and 4, 570 ft.<br>W. of stone at S. cor. secs. 33 and 34, -----  | 38 09 35.7  | 90 27 52.2  | 1,817    |
| T. 40 N., R. 5 E. -----   | 38 08 42.8  | 90 28 01.8  | 5,402    |
| Valles Mines, 7.1 mi. N. of, in sec. 4, T. 39 N.,<br>R. 5 E., 25 ft. S. and 20 ft. W. from cross-<br>roads, near signpost marked "De Soto 6 mi.<br>Plattin 4 mi. Crystal City 8 mi."; iron post<br>stamped "Prim Trav Sta No 2 1913 Mo 756" ----- | 38 07 37.91 | 90 28 23.43 | 6,792    |
| Lutheran Church, rd. forks W. of -----  | 38 06 19.3  | 90 29 03.5  | 8,580    |
| T. 39 N., R. 5 E., approximate cor. secs. 16, 17,<br>20, and 21 -----   | 38 05 10.9  | 90 29 20.1  | 7,049    |
| T-rd. W. just S. of creek -----   | 38 05 02.2  | 90 29 20.3  | 890      |
| T. 39 N., R. 5 E., cor. secs. 20, 21, 28, and 29,<br>10 ft. N. of small wooden bridge -----   | 38 04 18.5  | 90 29 22.7  | 4,423    |
| T-rd. S. in front of small dwelling on top of<br>ridge -----  | 38 03 47.4  | 90 29 36.1  | 3,328    |
| Missouri-Illinois R.R. at rd. crossing NE. of<br>milepost 20 -----  | 38 03 02.0  | 90 29 29.9  | 4,618    |
| Valles Mines, R.R. at rd. crossing (previously<br>described) -----  | 38 02 28.7  | 90 29 51.9  | 3,804    |
| Valles Mines, in sec. 5, T. 38 N., R. 5 E.,<br>50 ft. W. of Mississippi River and Bonne<br>Terre Ry. (now Missouri-Illinois R.R.) at<br>rd. crossing; iron post stamped "Prim Trav<br>Sta No 3 1913 745" -----                                    | 38 02 28.98 | 90 29 52.45 | 55       |

## 4. FROM PLATTIN NORTHEAST TO RUSH TOWER (by J. H. Wilson in 1913)

|   |             |             |       |
|---|-------------|-------------|-------|
| Plattin, R.R. at rd. crossing, 50 ft. N. of<br>sta. (previously described) -----        | 38 07 52.8  | 90 24 39.1  | ..... |
| Rd. forks -----   | 38 07 41.1  | 90 24 04.5  | 3,016 |
| T-rd. S. in front of small dwelling, 240 ft. W.<br>of top of ridge -----                | 38 07 27.1  | 90 23 11.0  | 4,511 |
| Rd. forks -----   | 38 07 29.8  | 90 22 09.8  | 4,897 |
| Rd. forks at S. end of cut-off -----  | 38 07 40.0  | 90 21 31.4  | 3,244 |
| T-rd. E. at stock farm of G. Holzhausen -----   | 38 06 47.0  | 90 21 43.1  | 6,839 |
| T. 40 N., R. 6 E., S. cor. secs. 33 and 34 -----  | 38 06 35.4  | 90 21 11.2  | 2,820 |
| Rd. forks, 110 ft. W. of mail box of J. T. Becker<br>Creek, S. end of bridge over ----- | 38 06 43.3  | 90 20 39.3  | 2,671 |
| T. 40 N., R. 6 E., S. cor. secs. 34 and 35 -----  | 38 06 33.7  | 90 20 11.6  | 2,418 |
| T. 39 N., R. 6 E., N. cor. secs. 1 and 2 -----  | 38 06 34.2  | 90 20 05.3  | 508   |
| Muddy creek, W. end of bridge over -----  | 38 06 33.9  | 90 19 16.8  | 3,885 |
| T-rd. NW., 0.8 mi. W. of Rush Tower -----   | 38 06 18.7  | 90 19 01.0  | 1,993 |
| M.R.C. triangulation sta. designated "Simpson 55" -----                                 | 38 06 40.4  | 90 18 14.4  | 4,328 |
|   | 38 06 58.96 | 90 17 33.29 | 3,785 |

5. FROM SEC. 4, T. 39 N., R. 5 E., WEST INTO DE SOTO QUADRANGLE AT SEC. 5,  
T. 39 N., R. 5 E. (by J. M. Lawson in 1930)

|  |             |             |       |
|--|-------------|-------------|-------|
| Prim Trav Sta No 2 1913 Mo 756 (previously<br>described) -----     | 38 07 37.91 | 90 28 23.43 | ..... |
| Junction of private rd. SE. through gate, in<br>creek bottom ----- | 38 07 38.3  | 90 29 00.0  | 2,920 |
| Rd. at gate, 37 ft. W. of crossroads -----                         | 38 07 24.0  | 90 29 35.5  | 3,189 |

(Continued in De Soto quadrangle; see line 4.)

6. FROM DE SOTO QUADRANGLE NORTHEAST ALONG MISSOURI PACIFIC RAILROAD TO  
HEMATITE, THENCE NORTHWEST ALONG ROADS INTO DE SOTO QUADRANGLE AT  
SEC. 32, T. 41 N., R. 5 E. (by J. M. Lawson in 1930)  
(Continued from De Soto quadrangle; see line 7.)

|   |             |             |         |
|---|-------------|-------------|---------|
| R.R. at private rd. crossing -----  | 38 11 37.4  | 90 29 43.9  | (3,356) |
| Hematite, 580 ft. S. of Missouri Pacific R.R.<br>sta., 45 ft. S. and 14 ft. E. from rd. cross-<br>ing, 25 ft. E. of cattle guard, 6 ft. S. of<br>fence corner, inside right-of-way, in concrete<br>post; standard tablet stamped "T T 21 L 1930<br>439" ----- | 38 12 04.71 | 90 28 43.21 | 5,576   |
| Rd. fork N. -----   | 38 12 25.7  | 90 28 42.0  | 2,124   |



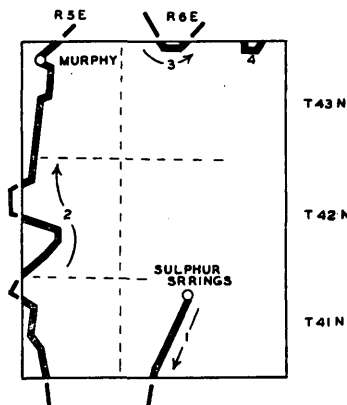
| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Gate at rd. forks -----                          | 38 13 10.0  | 90 29 13.4  | 5,128    |
| Junction of dim rd. SW. -----                    | 38 14 33.4  | 90 29 08.0  | 8,453    |
| Prim Trav Sta No 1 1913 (previously described) - | 38 14 55.76 | 90 29 00.92 | 2,329    |

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

Magnetic declination in 1912, 6° 30' E.

KIMMSWICK QUADRANGLE  
(Latitude 38°15'-38°30'; longitude 90°15'-90°30')

Jefferson and St. Louis Counties



1. FROM SULPHUR SPRINGS SOUTH ALONG MISSOURI PACIFIC RAILROAD TO RIVERSIDE, THENCE SOUTH ALONG MISSOURI-ILLINOIS RAILROAD INTO CRYSTAL CITY QUADRANGLE (by J. R. Ellis in 1903)

| Station  | Latitude   | Longitude  | Distance |
|--|------------|------------|----------|
|  | ° ' "      | ° ' "      | Feet     |
| Sulphur Springs triangulation sta.; M.R.C. stone post designated "Sulphur Springs" ----- | 38 19 41.0 | 90 22 30.5 | .....    |
| Bushburg, R.R. at sta. -----   | 38 18 12.0 | 90 22 32.1 | 9,004    |

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

2. FROM CRYSTAL CITY QUADRANGLE AT SEC. 29, T. 41 N., R. 5 E., NORTH INTO WEST ST. LOUIS QUADRANGLE AT SEC. 4, T. 43 N., R. 5 E. (by J. H. Wilson in 1913)

|   |             |             |       |
|---|-------------|-------------|-------|
| Prim Trav Sta No 1 1913 (In Crystal City quadrangle; see line 3.) -----   | 38 14 55.76 | 90 29 00.92 | ..... |
| T. 41 N., R. 5 E., cor. secs. 20, 21, 28, and 29- -----                   | 38 15 49.1  | 90 28 51.7  | 5,441 |
| T-rd. S., 140 ft. W. of T-rd. N. -----                                    | 38 16 01.7  | 90 29 07.1  | 1,772 |
| Rd. forks, 600 ft. NW. of Sandy Church -----                              | 38 17 01.6  | 90 29 08.0  | 6,060 |
| T-rd. N., 20 ft. W. of mail box of John Dittner -                         | 38 17 05.4  | 90 29 52.4  | 3,563 |
| S. of small wooden bridge -----   | 38 18 05.4  | 90 29 40.2  | 6,150 |
| Sandy Ridge, at SE. corner of field on, large stump in fence corner ----- | 38 18 36.7  | 90 29 32.8  | 3,223 |

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

|  |            |            |         |
|--|------------|------------|---------|
| Rd. forks, 60 ft. SW. of wheel supporting seven mail boxes -----   | 38 19 46.0 | 90 29 45.6 | (6,337) |
| Rd. forks near five mail boxes, 0.5 mi. SW. of Antonia School -----  | 38 20 24.4 | 90 29 08.7 | 4,869   |
| Antonia School, rd. forks at -----   | 38 20 47.0 | 90 28 55.9 | 2,508   |
| Bulltown, in NW. corner of intersection of Lemay Ferry Road and Barnhart rd., 100 ft. N. of saloon, at corner of feed yard; iron post stamped "Prim Trav Sta No 4 1913 Mo 511" ----- | 38 21 46.3 | 90 27 57.4 | 7,601   |
| T. 42 N., R. 5 E., cor. secs. 16, 17, 20, and 21 -----   | 38 22 06.5 | 90 28 36.0 | 3,692   |

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

\* Part of this quadrangle lies in Illinois.

| Station   | Latitude   | Longitude  | Distance |
|---|------------|------------|----------|
|   | ° ' "      | ° ' "      | Feet     |
| Rd. forks on top of ridge, 250 ft. SW. of dwelling -----  | 38 23 09.1 | 90 29 56.6 | (4,925)  |
| Tree supporting mail box in center of triangle at rd. forks -----   | 38 23 34.6 | 90 29 47.6 | 2,677    |
| Rock Creek, center of ford across -----   | 38 24 49.3 | 90 29 23.4 | 7,807    |
| Center of triangle at rd. forks at top of hill, 500 ft. SW. of Leight School, 100 ft. W. of small dwelling, 50 ft. E. of six mail boxes --- | 38 26 15.6 | 90 29 24.2 | 8,734    |
| Rd. forks, 70 ft. SW. of mail box of M. Werner ---  | 38 27 26.5 | 90 29 19.4 | 7,183    |
| Center of triangle at rd. forks, 40 ft. NE. of four mail boxes -----  | 38 28 16.8 | 90 28 33.2 | 6,281    |
| T. 43 N., R. 5 E., center sec. 8, 30 ft. S. of T-rd. W. at Bowles School -----  | 38 28 45.5 | 90 29 01.3 | 3,664    |
| Murphy, rd. forks at -----  | 38 29 24.6 | 90 29 13.9 | 4,080    |
| Rd. forks, about 300 ft. NE. of T-rd. SE., 2 mi. SW. of Fenton -----  | 38 29 58.5 | 90 27 57.6 | 6,967    |

(Continued in West St. Louis quadrangle; see line 1.)

3. FROM WEST ST. LOUIS QUADRANGLE SOUTHEAST ALONG MATTESE ROAD TO SEC. 4, T. 43 N., R. 6 E., THENCE NORTHEAST ALONG U.S. HIGHWAY 61 INTO WEST ST. LOUIS QUADRANGLE (by D. W. Weber in 1931)\*  
(Continued from West St. Louis quadrangle; see line 5.)

|                                   |            |            |         |
|-----------------------------------|------------|------------|---------|
| Chiseled square on culvert -----  | 38 29 47.3 | 90 21 20.9 | (6,404) |
| Junction of U.S. Highway 61 ----- | 38 29 39.4 | 90 20 41.2 | 3,254   |

(Continued in West St. Louis quadrangle; see line 5.)

4. FROM WEST ST. LOUIS QUADRANGLE AT JEFFERSON BARRACKS SOUTHEAST TO VETERANS HOSPITAL, THENCE NORTHEAST INTO WEST ST. LOUIS QUADRANGLE AT JEFFERSON BARRACKS (by W. R. Broadus in 1933)  
(Continued from West St. Louis quadrangle; see line 62.)

|   |            |            |         |
|---|------------|------------|---------|
| Intersection of drive to Veterans Hospital and rd. to Koch Hospital -----       | 38 29 40.9 | 90 17 08.4 | (2,672) |
| Nail in cross at intersection of N.-S. rd. and drive to Veterans Hospital ----- | 38 29 34.3 | 90 16 52.0 | 1,470   |
| Junction of paved rd., 13 ft. S. of gate at corner of cemetery -----            | 38 29 50.8 | 90 16 40.3 | 1,904   |

(Continued in West St. Louis quadrangle; see line 62.)

5. IN VICINITY OF VETERANS HOSPITAL (not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Intersection of drive to Veterans Hospital and rd. to Koch Hospital (previously described) --- | 38 29 40.9 | 90 17 08.4 | ..... |
| Nail in cross opposite nurse's home at Koch Hospital, 34 ft. from face of building -----       | 38 28 54.9 | 90 16 59.6 | 4,710 |

6. IN VICINITY OF NATIONAL CEMETERY AT JEFFERSON BARRACKS (not shown on diagram; by W. R. Broadus in 1933)

|   |            |            |       |
|---|------------|------------|-------|
| Intersection of Kearney Avenue and entrance to National Cemetery (in West St. Louis quadrangle) ----- | 38 30 10.8 | 90 16 46.4 | ..... |
| Cross in stone at center of entrance gate to National Cemetery -----                                  | 38 29 58.2 | 90 16 46.7 | 1,269 |

7. IN VICINITY OF JEFFERSON BARRACKS (not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Nail in cross at intersection of N.-S. rd. and drive to Veterans Hospital (previously described) ----- | 38 29 34.3 | 90 16 52.0 | ..... |
| Center of rd., 168 ft. NE. of power-house -----  | 38 29 40.0 | 90 16 49.9 | 597   |
| Junction of paved rd., 13 ft. S. of gate at corner of cemetery (previously described) -----            | 38 29 50.8 | 90 16 40.3 | 1,904 |

8. IN VICINITY OF JEFFERSON BARRACKS (not shown on diagram; by W. R. Broadus in 1933)

|   |            |            |         |
|---|------------|------------|---------|
| Nail in cross opposite nurses' home (previously described) -----                          | 38 28 54.9 | 90 16 59.6 | .....   |
| Nail in hub in center of rd. opposite dwelling, 20 ft. N. of 24-in. cottonwood tree ----- | 38 28 45.8 | 90 17 44.2 | 3,662   |
| Junction of Pottle rd. and Telegraph Road -----   | 38 29 06.5 | 90 18 14.9 | 3,220   |
| Center of Telegraph Road, 2,046 ft. N. of Pottle rd. -----                                | 38 29 26.7 | 90 18 13.3 | 2,046   |
| Intersection of Telegraph and Sappington Barracks Roads (in West St. Louis quadrangle) -  | 38 30 08.4 | 90 17 51.7 | (4,555) |

\*Results not of third-order accuracy.

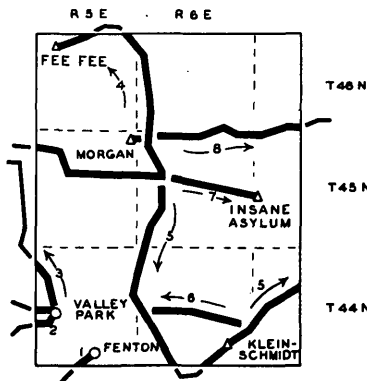
| Station   | Latitude   | Longitude  | Distance |
|---|------------|------------|----------|
|   | ° ' "      | ° ' "      | Feet     |
| 9. IN VICINITY OF JEFFERSON BARRACKS (not shown on diagram; by W. R. Broadbuss in 1933)   |            |            |          |
| Center of Kearney Avenue, 21½ ft. N. 62° 27' W. of W. main track of Missouri Pacific R.R. at Kearney Avenue (in West St. Louis quadrangle) - Intersection of tangents at curve on Missouri Pacific R.R. ----- | 38 30 06.9 | 90 16 35.6 | .....    |
| Nail in cross opposite nurses' home (previously described) -----  | 38 29 28.3 | 90 16 41.0 | 3,934    |
| Nail in cross opposite nurses' home (previously described) -----  | 38 28 54.9 | 90 16 59.6 | 3,685    |

|  |            |            |       |
|--|------------|------------|-------|
| 10. IN VICINITY OF JEFFERSON BARRACKS (not shown on diagram; by W. R. Broadbuss in 1933) |            |            |       |
| Junction of Pottle rd. and Telegraph Road (previously described) -----                   | 38 29 06.5 | 90 18 14.9 | ..... |
| Nail in hub in pasture, 35 ft. NE. of twin sycamore tree -----                           | 38 29 06.0 | 90 17 36.2 | 3,077 |
| Nail in cross opposite nurses' home (previously described) -----                         | 38 28 54.9 | 90 16 59.6 | 3,125 |

Magnetic declination in 1910, 5° 15' E.

WEST ST. LOUIS QUADRANGLE \*  
(Latitude 38°30'-38°45'; longitude 90°15'-90°30')

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



1. FROM KIMMSWICK QUADRANGLE AT SEC. 4, T. 43 N., R. 5 E., NORTHEAST TO FENTON (by J. H. Wilson in 1913)  
(Continued from Kimmswick quadrangle; see line 2.)

| Station                     | Latitude   | Longitude  | Distance |
|-----------------------------|------------|------------|----------|
|                             | ° ' "      | ° ' "      | Feet     |
| T-rd. SE. -----             | 38 30 29.4 | 90 27 08.5 | (5,000)  |
| Fenton, crossroads at ----- | 38 30 47.2 | 90 26 09.3 | 5,043    |

2. FROM MANCHESTER QUADRANGLE AT SEC. 18, T. 44 N., R. 5 E., EAST TO VALLEY PARK, THENCE SOUTHWEST INTO MANCHESTER QUADRANGLE AT SEC. 19, T. 44 N., R. 5 E. (by W. C. Ellledge in 1930)  
(Continued from Manchester quadrangle; see line 5.)

|  |            |            |         |
|--|------------|------------|---------|
| S. track of Missouri Pacific R.R. at center of bridge over creek ----- | 38 32 53.5 | 90 29 50.4 | (3,616) |
| Valley Park, center of highway bridge over Meramec River -----         | 38 32 47.4 | 90 29 41.1 | 963     |
| St. Louis-San Francisco Ry. (N. track) at rd. crossing -----           | 38 32 29.8 | 90 29 43.0 | 1,787   |

(Continued in Manchester quadrangle; see line 5.)

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

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 3. FROM VALLEY PARK NORTH INTO MANCHESTER QUADRANGLE AT SEC. 6, T. 44 N., R. 5 E. (by W. C. Elledge in 1930)   |             |             |          |
| S. track of Missouri Pacific R.R. at center of bridge over creek (previously described) -----  | 38 32 53.5  | 90 29 50.4  | .....    |
| Valley Park, at NW. corner of Missouri Pacific R.R. overhead bridge, 7 ft. N. of N. corner of W. head wall, 1 ft. W. of concrete sidewalk, in concrete post; standard tablet stamped "T T 14 E 1930" ----- | 38 32 58.04 | 90 29 39.56 | 973      |
| T-rd. NE. -----  | 38 33 26.3  | 90 29 30.4  | 2,948    |
| Valley Park, center of water tank in N. part of -----  | 38 33 49.0  | 90 29 45.8  | 2,606    |
| Junction of private drive W. -----   | 38 34 24.5  | 90 29 56.0  | 3,681    |

(Continued in Manchester quadrangle; see line 7.)

4. FROM MANCHESTER QUADRANGLE AT SEC. 7, T. 45 N., R. 5 E., EAST TO SEC. 17, T. 45 N., R. 6 E., THENCE NORTH AND WEST TO POINT ABOUT 1 MILE NORTHEAST OF VIGUS (by D. W. Weber in 1931)\*

(Continued from Manchester quadrangle; see line 9.)

|   |             |             |         |
|---|-------------|-------------|---------|
| T-rd. N. -----  | 38 38 54.1  | 90 29 24.8  | (2,959) |
| T-rd. E. -----  | 38 38 27.5  | 90 28 51.3  | 3,782   |
| T-rd. N. -----  | 38 37 52.9  | 90 29 16.2  | 4,021   |
| T. 45 N., R. 5 E., in NW 1/4 sec. 20, 28 ft. SW. of Clayton Road, 52 ft. W. of Mason Road S., in concrete post; standard tablet stamped "42 M 1931" -----   | 38 37 39.26 | 90 28 59.41 | 1,916   |
| T-rd. N. -----  | 38 37 55.8  | 90 28 18.3  | 3,288   |
| Twenty-in. wild-cherry tree, 25 ft. N. and 42 ft. W. from crossroads at W. sixteenth cor. sec. 21, T. 45 N., R. 5 E. -----  | 38 37 34.4  | 90 28 01.8  | 1,319   |
| T-rd. N. -----  | 38 37 34.6  | 90 27 29.8  | 2,540   |
| T. 45 N., R. 5 E., in N 1/2 sec. 22, 28 ft. S. and 95 ft. W. from junction of Clayton and Ballas Roads, in concrete post; standard tablet stamped "41 M 1931"*** -----  | 38 37 52.91 | 90 26 37.55 | 4,550   |
| T-rd. S. -----  | 38 37 59.1  | 90 25 12.0  | 6,819   |
| NW. corner of concrete base of gasoline pump at filling sta., 20 ft. S. and 165 ft. E. from Clayton Road at Spode Road N. at cor. secs. 13, 14, 23, and 24, T. 45 N., R. 5 E. -----   | 38 37 58.6  | 90 24 53.1  | 1,501   |
| Top of concrete base of stop signal, 42 ft. N. and 24 ft. W. from junction of U.S. Highway 61 (Lindbergh Boulevard) and Clayton Road near quarter cor. between secs. 13 and 24, T. 45 N., R. 5 E. -----   | 38 37 59.1  | 90 24 20.5  | 2,591   |
| Rd. forks -----   | 38 38 22.1  | 90 23 12.4  | 5,886   |
| T-rd. N. to St. Louis Country Club -----  | 38 38 26.2  | 90 22 53.0  | 3,600   |
| Iron stake at junction of Clayton and Price Roads T. 45 N., R. 6 E., center sec. 8, 48 ft. S. and 23 ft. W. from junction of Ladue and Price Roads, 18 ft. S. and 3 ft. W. from fence corner, on golf-club grounds, in concrete post; standard tablet stamped "38 M 1931" ----- | 38 39 11.69 | 90 21 59.88 | 4,365   |
| Junction of Bonhomme and Price Roads -----  | 38 39 59.4  | 90 21 59.1  | 4,827   |
| Junction of Olive Street and Price Roads -----  | 38 40 26.6  | 90 21 59.2  | 2,756   |
| Chicago, Rock Island & Pacific Ry. at crossing of Elmwood Avenue -----  | 38 41 00.1  | 90 22 32.5  | 4,298   |
| Intersection of Page Boulevard and Elmwood Avenue -----   | 38 41 19.1  | 90 22 29.3  | 1,939   |
| Intersection of Page Boulevard and Woodson Road - Overland School, 37 ft. N. of SW. corner of schoolyard, 265 ft. N. of junction of Lackland Avenue and Woodson Road, in concrete post; standard tablet stamped "33 M 1931" -----   | 38 41 13.4  | 90 21 42.6  | 3,750   |
| T-rd. W. -----  | 38 42 03.86 | 90 21 42.81 | 5,109   |
| Junction of U.S. Highway 40 and Woodson Road -----  | 38 42 35.5  | 90 21 38.1  | 3,212   |
| U.S. Highway 40 at driveway to Wellston Kennel Club -----   | 38 42 56.9  | 90 21 34.8  | 2,170   |
| Pattonville, 1.7 mi. SE. of, along U.S. Highways 40 and 61 (St. Charles Rock Road), in top of E. end of N. head wall of large bridge over Dawson Creek; standard tablet stamped "32 M 1931" -----   | 38 43 16.9  | 90 22 12.2  | 3,596   |
| Junction of U.S. Highway 40 and Ashby Road -----  | 38 43 35.58 | 90 22 44.83 | 3,208   |
| Intersection of U.S. Highway 40 and State Highway 77 -----  | 38 43 46.4  | 90 23 04.4  | 1,903   |
| Intersection of U.S. Highway 40 and Fee Fee Church Road at Pattonville -----  | 38 44 14.9  | 90 23 56.0  | 5,016   |
|   | 38 44 25.4  | 90 24 12.9  | 1,715   |

(For balance in St. Charles quadrangle, see line 1.)

\*Results not of third-order accuracy.

\*\*It was reported by H. S. McQueen, Jan. 11, 1936 that this monument was destroyed.

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| T-rd. S. -----   | 38 44 38.0  | 90 26 14.0  | (4,093)  |
| T-rd. S. -----   | 38 44 28.3  | 90 26 36.4  | 2,030    |
| Rd. Junction -----   | 38 44 35.9  | 90 26 50.0  | 1,323    |
| Fee Fee triangulation sta.; U.S.C.E. iron post<br>designated "Fee Fee" ----- | 38 44 57.49 | 90 27 19.62 | 3,203    |

5. FROM SEC. 17, T. 45 N., R. 6 E., SOUTH TO SEC. 32, T. 44 N., R. 6 E.,  
THENCE NORTHEAST TO BELLERIVE PARK (by D. W. Weber in 1931)

|   |             |             |       |
|---|-------------|-------------|-------|
| Iron stake at junction of Clayton and Price<br>Roads (previously described) -----   | 38 38 28.6  | 90 22 00.3  | ..... |
| Iron pin at junction of Clayton and Lay Roads ---   | 38 38 27.8  | 90 21 42.2  | 1,444 |
| Iron pin at intersection of York and Lay Roads ---  | 38 37 44.0  | 90 21 43.8  | 4,440 |
| Rock Hill Quarry, about 0.3 mi. N. of, 33 ft. S.<br>and 55 ft. W. from T-rd. N., 33 ft. S. and<br>300 ft. E. from T-rd. S., 17 ft. S. and 20 ft.<br>E. from fence corner, in concrete post;<br>standard tablet stamped "39 M 1931" -----      | 38 37 08.00 | 90 21 45.03 | 3,649 |
| Junction of Litzinger and Lay Roads -----   | 38 37 05.5  | 90 21 18.0  | 2,154 |
| Junction of U.S. Highway 50 and Lay Road -----  | 38 36 43.0  | 90 21 21.8  | 2,296 |
| U.S. Highway 50 at rd. S. -----   | 38 36 34.1  | 90 21 48.3  | 2,296 |
| U.S. Highway 50 at rd. S. -----   | 38 36 18.9  | 90 22 39.7  | 4,363 |
| T. 45 N., R. 6 E., in SE. cor. sec. 30, 230 ft.<br>W. of Berry Road S. from Manchester Road, 27<br>ft. S. and 22 ft. E. from junction of<br>Manchester and Monier Place Roads, in concrete<br>post; standard tablet stamped "43 M 1931" ----- | 38 36 17.74 | 90 22 42.11 | 223   |
| Crossroads -----  | 38 35 44.5  | 90 22 37.0  | 3,368 |
| Intersection of Lockwood Avenue and Berry Road --   | 38 34 58.6  | 90 22 37.6  | 4,640 |
| Glendale, cor. secs. 5, 6, 7, and 8, T. 44 N.,<br>R. 6 E., 133 ft. N. and 22 ft. W. from Berry<br>Road at Big Bend Road E. and W., 10 ft. N. of<br>fence corner, in concrete post; standard<br>tablet stamped "44 M 1931" -----               | 38 34 26.06 | 90 22 37.94 | 3,301 |
| Junction of Grant Road and D Street -----   | 38 34 11.2  | 90 22 21.1  | 2,010 |
| U.S. Highway 66 at junction of rds. -----   | 38 33 44.5  | 90 22 04.6  | 3,010 |
| U.S. Highway 66 at rd. SE. -----  | 38 33 26.0  | 90 22 53.4  | 4,300 |
| Sappington, 0.5 mi. N. of, cor. secs. 17, 18, 19,<br>and 20, T. 44 N., R. 6 E., 33 ft. N. and 17 ft.<br>W. from Sappington Road at E.-W. crossroad,<br>4 ft. W. of mail boxes, in concrete post;<br>standard tablet stamped "47 M 1931" ----- | 38 32 39.17 | 90 22 47.34 | 4,756 |
| Sappington Road at E.-W. crossroad -----  | 38 32 13.5  | 90 22 48.0  | 2,591 |
| Intersection of State Highway 77 and Sappington<br>Road -----   | 38 31 44.7  | 90 22 47.9  | 2,910 |
| Sappington Road at E.-W. crossroad -----*   | 38 31 19.4  | 90 22 48.3  | 2,570 |
| Junction of Kennerly and Sappington Roads -----*  | 38 30 53.1  | 90 22 57.0  | 2,759 |
| Sappington, 2.3 mi. S. of, 42 ft. N. of junction<br>of Tesson Ferry Road and Kennerly Road NW.,<br>in concrete post; standard tablet stamped<br>"48 M 1931" -----*  | 38 30 23.58 | 90 22 28.27 | 3,766 |
| Mattese Road at rd. SW. -----*  | 38 30 31.0  | 90 22 19.2  | 1,031 |

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

|  |             |             |         |
|--|-------------|-------------|---------|
| U.S. Highway 61 at rd. SE. -----*  | 38 30 04.6  | 90 19 55.5  | (4,432) |
| Mehlville, junction of U.S. Highways 61 and 67 --*   | 38 30 21.1  | 90 19 33.2  | 2,429   |
| Kleinschmidt triangulation sta. of U.S.C. & G.S. --*   | 38 30 19.85 | 90 19 29.62 | 317     |
| T-rd. N. -----*  | 38 30 05.6  | 90 18 36.6  | 4,460   |
| Intersection of Telegraph Road and rd. to<br>Jefferson Barracks -----*   | 38 30 08.1  | 90 17 51.8  | 3,564   |
| Telegraph Road at rd. E. to Jefferson Barracks --*   | 38 30 38.4  | 90 17 30.7  | 3,433   |
| Jefferson Barracks, at W. edge of, about 0.2 mi.<br>SE. of crossroads, 13 ft. S. of Upper Gate,<br>20 ft. W. of rd., in concrete post; standard<br>tablet stamped "68 M 1931" -----*                                   | 38 30 32.67 | 90 17 21.82 | 916     |
| Jefferson Barracks, center of water tower -----*   | 38 30 21.5  | 90 17 17.6  | 1,180   |
| Jefferson Barracks, cross streets 700 ft. E. of<br>water tower -----*  | 38 30 19.0  | 90 17 08.9  | 745     |
| Center of crescent between old and new rds.<br>leading to N. entrance of Jefferson Barracks --*  | 38 30 42.2  | 90 16 30.2  | 3,872   |
| Junction of rd. to N. gate of Jefferson Barracks --*   | 38 31 13.7  | 90 16 36.4  | 3,214   |
| St. Andrew's Church, across rd. from, 35 ft. E.<br>of Military Road at crossing of Hofmeister<br>Avenue, 245 ft. NW. of Broadway (U.S. Highway<br>67), in concrete post; standard tablet stamped<br>"67 M 1931" -----* | 38 32 02.97 | 90 16 32.46 | 4,900   |
| U.S. Highway 67 at rd. E. -----*   | 38 32 16.6  | 90 16 57.4  | 2,466   |
| Junction of Alabama and Davis Streets -----*   | 38 32 48.8  | 90 16 06.5  | 5,192   |
| Intersection of Broadway and Davis Street -----*   | 38 32 35.0  | 90 15 45.9  | 2,159   |
| Dover triangulation sta.; U.S.C.E. iron pipe (in<br>East St. Louis quadrangle) -----   | 38 33 37.30 | 90 14 29.16 | 8,768   |

\*Results not of third-order accuracy.

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 6. FROM JUNCTION OF ALABAMA AND DAVIS STREETS WEST TO U.S. HIGHWAY 66 AT POINT NEAR GLENDALE SCHOOL (by D. W. Weber in 1931)*  |             |             |          |
| Junction of Alabama and Davis Streets (previously described) -----   | 38 32 48.8  | 90 16 06.5  | .....    |
| St. Louis city limits, stone 23 (?) -----  | 38 32 48.1  | 90 16 19.3  | 1,027    |
| St. Louis city limits, stone 28 -----  | 38 32 54.4  | 90 16 20.0  | 634      |
| Weber triangulation sta.; U.S.C.E. limestone post -----  | 38 33 09.01 | 90 16 51.69 | 2,919    |
| T-rd. W. -----   | 38 33 05.7  | 90 17 21.0  | 2,389    |
| Intersection of Gravois Road and Seibert Avenue -<br>Gardenville, about 0.4 mi. SW. of St. Louis city<br>limits, 205 ft. SW. of State Highway 30<br>(Gravois Road) at crossing of Heege Road,<br>38 ft. SE. of Gravois Road, 30 ft. W. of NW.<br>corner of St. George's Church, in concrete<br>post; standard tablet stamped "64 M 1931" ----- | 38 33 34.8  | 90 17 03.6  | 4,627    |
| Intersection of Gravois and Weber Roads -----  | 38 33 30.46 | 90 18 10.18 | 671      |
| St. Louis-San Francisco Ry. at Gravois Road -----  | 38 33 18.2  | 90 18 51.6  | 3,527    |
| Crossroads -----   | 38 33 06.0  | 90 19 36.4  | 3,763    |
| T. 44 N., R. 6 E., in NE 1/4 sec. 16, 135 ft. W.<br>of junction of Rock Hill and Laclede Roads,<br>18 ft. SW. of Rock Hill Road, in concrete post;<br>standard tablet stamped "63 M 1931" -----  | 38 33 11.8  | 90 20 08.7  | 2,635    |
| Rock Hill Road at rd. N. -----   | 38 33 22.46 | 90 20 31.84 | 2,135    |
| Rock Hill Road at new graded crossroad -----   | 38 33 46.4  | 90 21 28.0  | 5,084    |
| U.S. Highway 66 at junction of rds. (previously<br>described) -----  | 38 33 53.3  | 90 21 32.0  | 773      |
|  | 38 33 44.5  | 90 22 04.6  | 2,739    |

7. FROM JUNCTION OF U.S. HIGHWAY 50 AND LAY ROAD EAST TO CITY HOSPITAL  
(by D. W. Weber in 1931)

|   |             |             |       |
|---|-------------|-------------|-------|
| Junction of U.S. Highway 50 and Lay Road<br>(previously described) -----  | 38 36 43.0  | 90 21 21.8  | ..... |
| Intersection of Manchester and North and South<br>Roads -----   | 38 36 45.1  | 90 20 57.0  | 1,996 |
| U.S. Highway 50 at Electric R.R. -----  | 38 36 42.5  | 90 20 07.6  | 3,933 |
| Maplewood, 50 ft. N. and 230 ft. W. from U.S.<br>Highway 50 (Manchester Road) at crossing of<br>Big Bend Road, 2 ft. S. and 40 ft. W. from<br>fence corner on Maplewood High School athletic<br>grounds, in concrete post; standard tablet<br>stamped "59 M 1931" ----- | 38 36 45.50 | 90 19 25.33 | 3,375 |
| U.S. Highway 50 at junction of Southwest Avenue -<br>W. track of Missouri Pacific R.R. at Southwest<br>Avenue -----   | 38 36 48.8  | 90 18 57.4  | 2,240 |
| Junction of Arsenal and Ellendale Streets -----   | 38 36 46.5  | 90 18 39.0  | 1,480 |
| Intersection of Arsenal Street and Watson Road -----  | 38 36 37.3  | 90 18 59.8  | 934   |
| Insane Asylum triangulation sta. of U.S.C. & G.S. -----   | 38 36 26.3  | 90 17 33.6  | 5,374 |
|   | 38 36 13.89 | 90 16 44.03 | 4,132 |

8. FROM SEC. 1, T. 45 N., R. 5 E., EAST INTO EAST ST. LOUIS QUADRANGLE AT  
KINGSHIGHWAY AND PENROSE AVENUE (by W. R. Broadus in 1932)

|  |             |             |       |
|--|-------------|-------------|-------|
| Morgan triangulation sta.; U.S.C. & G.S.<br>standard disk stamped "Morgan 1871 1931" -----   | 38 40 20.67 | 90 23 51.22 | ..... |
| Junction of Olive Street and Bonhomme Roads -----  | 38 40 22.8  | 90 23 23.1  | 2,241 |
| Junction of Olive Street Road and Elmwood Avenue-<br>Elmwood Park, 220 ft. N. of St. Louis Public<br>Service Company Ry. at crossing of Elmwood<br>Avenue, 11 ft. W. of SE. corner of yard of<br>Elmwood Park School, in concrete post;<br>standard tablet stamped "34 M 1931" ----- | 38 40 26.7  | 90 22 33.7  | 3,938 |
| Intersection of Page Boulevard and Elmwood<br>Avenue (previously described) -----  | 38 41 03.86 | 90 22 32.45 | 3,758 |
| Intersection of Page Boulevard and Woodson Road -<br>Terminal R.R. at Page Boulevard -----   | 38 41 19.1  | 90 22 29.4  | 1,560 |
| Intersection of Page Boulevard and North and<br>South Road -----   | 38 41 13.4  | 90 21 42.7  | 3,748 |
| Elmwood Park, 2.5 mi. E. of, in center sec. 34,<br>T. 46 N., R. 6 E., 85 ft. SE. of Page Boulevard<br>at crossing of Hanley Road, in concrete post;<br>standard tablet stamped "58 M 1931" -----   | 38 41 10.4  | 90 20 58.1  | 3,548 |
| Intersection of Page Boulevard and Pennsylvania<br>Avenue -----  | 38 41 00.7  | 90 20 08.7  | 4,040 |
| Terminal R.R., center of Ferguson Avenue bridge<br>over -----  | 38 40 59.93 | 90 19 42.49 | 2,082 |
| Intersection of Ferguson Avenue and St. Charles<br>Rock Road -----   | 38 40 36.4  | 90 18 51.1  | 4,719 |
| Junction of Lucas Hunt and St. Charles Roads<br>Wellston, 145 ft. SE. of St. Peter's Cemetery, on<br>W. side of junction of Lucas Hunt Road and<br>St. Louis Avenue, in concrete post; standard<br>tablet stamped "57 M 1931" -----  | 38 40 42.7  | 90 18 29.3  | 1,841 |
| Junction of St. Louis and Kienlen Avenues -----  | 38 41 08.6  | 90 18 18.4  | 2,759 |
|  | 38 40 50.0  | 90 17 43.0  | 3,368 |
|  | 38 41 15.93 | 90 17 36.24 | 2,663 |
|  | 38 40 58.8  | 90 16 55.7  | 3,654 |

\*Results not of third-order accuracy.

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | " ' "       | " ' "       | Feet     |
| St. Louis city limits, 27 ft. S. of Natural Bridge Road, stone monument 107 -----   | 38 41 20.8  | 90 16 30.5  | 2,995    |
| Intersection of Natural Bridge and Goodfellow Avenues -----   | 38 41 09.4  | 90 16 15.7  | 1,643    |
| Goodfellow triangulation sta., about 1,180 ft. S. of S. side of Bircher Street, on W. side of Goodfellow Avenue, on top of hill, 133 ft. NE. of SE. corner of large brick dwelling 4257, 24 ft. SE. of large, twin locust tree, in NE. corner of yard; limestone post (used by city of St. Louis) ----- | 38 41 30.10 | 90 16 08.06 | 2,179    |
| Intersection of Union Boulevard and Natural Bridge Avenue -----   | 38 40 45.1  | 90 15 29.4  | 5,490    |
| North St. Louis, 90 ft. S. of intersection of Natural Bridge Avenue and Kingshighway Memorial Boulevard, between sidewalk and curb, in concrete post; standard tablet stamped "56 M 1931" -----   | 38 40 33.80 | 90 15 05.88 | 2,189    |

(Continued in East St. Louis quadrangle; see line 1.)

9. FROM SEC. 34, T. 46 N., R. 6 E., SOUTH, EAST, AND NORTH TO JUNCTION OF LUCAS HUNT AND ST. CHARLES ROCK ROADS (not shown on diagram; by W. R. Broadus in 1933)

|   |             |             |       |
|---|-------------|-------------|-------|
| 58 M 1931 (previously described) -----  | 38 40 59.93 | 90 19 42.49 | ..... |
| Hanley Road at point 737 ft. S. of intersection of Olive Street Road -----  | 38 40 10.4  | 90 19 54.6  | 5,102 |
| Intersection of Hanley Road and Delmar Boulevard-Center of Delmar Boulevard at point about 45 ft. W. of Big Bend Road ----- | 38 39 31.7  | 90 19 57.6  | 3,921 |
| Intersection of Delmar Boulevard and Skinker Road -----   | 38 39 24.4  | 90 18 50.4  | 5,377 |
| Junction of Page Boulevard and Odgen Avenue -----   | 38 39 19.5  | 90 17 58.5  | 4,154 |
| Junction of Lucas Hunt and St. Charles Rock Roads (previously described) -----  | 38 40 19.7  | 90 17 43.8  | 6,207 |
|   | 38 40 50.0  | 90 17 43.0  | 3,073 |

10. FROM INTERSECTION OF HANLEY ROAD AND DELMAR BOULEVARD SOUTH, WEST, AND NORTH TO SEC. 1, T. 45 N., R. 5 E. (not shown on diagram; by W. R. Broadus in 1933)

|   |             |             |       |
|---|-------------|-------------|-------|
| Intersection of Hanley Road and Delmar Boulevard (previously described) ----- | 38 39 31.7  | 90 19 57.6  | ..... |
| Intersection of Hanley Road and Forsythe Boulevard -----                      | 38 38 59.4  | 90 20 02.3  | 3,288 |
| Junction of Forsythe Boulevard and North and South Road -----                 | 38 39 01.6  | 90 20 28.6  | 2,095 |
| 58 M 1931 (previously described) -----  | 38 39 11.69 | 90 21 59.88 | 7,317 |
| Ladue Road, 275 ft. E. of Briar Cliff -----                                   | 38 39 12.6  | 90 22 34.9  | 2,777 |
| Junction of Warson Road and Ladue Road E. -----                               | 38 39 13.4  | 90 23 43.2  | 5,420 |
| Morgan triangulation sta. (previously described) -----                        | 38 40 20.67 | 90 23 51.22 | 6,834 |

11. FROM SEC. 34, T. 46 N., R. 6 E., NORTH, EAST, AND SOUTH TO NATURAL BRIDGE AND GOODFELLOW AVENUES (not shown on diagram; by W. R. Broadus in 1933)

|  |             |             |       |
|--|-------------|-------------|-------|
| 58 M 1931 (previously described) -----   | 38 40 59.93 | 90 19 42.49 | ..... |
| Junction of Hanley and St. Charles Rock Roads -----                            | 38 41 55.9  | 90 19 41.5  | 5,663 |
| Junction of Carson and St. Charles Rock Roads -----                            | 38 41 50.7  | 90 19 31.4  | 961   |
| Junction of Natural Bridge Road and Carson Road S. -----                       | 38 42 37.8  | 90 19 09.2  | 5,087 |
| Natural Bridge Road at point 8 ft. W. of St. Anns Lane -----                   | 38 42 20.0  | 90 18 03.7  | 5,498 |
| Junction of Natural Bridge Road and Lucas Hunt Road N. -----                   | 38 42 05.1  | 90 17 33.0  | 2,859 |
| Junction of Lucas Hunt Road and Lillian Avenue at SW. corner of cemetery ----- | 38 42 40.8  | 90 17 07.2  | 4,151 |
| Junction of Lillian Avenue and Jennings Road S. -----                          | 38 42 13.4  | 90 16 05.8  | 5,606 |
| Natural Bridge Road at St. Louis city limits -----                             | 38 41 21.0  | 90 16 30.3  | 5,637 |
| Goodfellow triangulation sta. (previously described) -----                     | 38 41 30.10 | 90 16 08.06 | 1,987 |

12. FROM JUNCTION OF LUCAS HUNT ROAD AND LILLIAN AVENUE NORTHEAST, SOUTHEAST, AND SOUTHWEST TO JUNCTION OF LILLIAN AVENUE AND JENNINGS ROAD SOUTH (not shown on diagram; by W. R. Broadus in 1933)

|   |            |            |       |
|---|------------|------------|-------|
| Junction of Lucas Hunt Road and Lillian Avenue at SW. corner of cemetery (previously described) ----- | 38 42 40.8 | 90 17 07.2 | ..... |
| Intersection of Florissant Avenue and Lucas Hunt Road -----   | 38 43 31.2 | 90 16 29.4 | 5,915 |
| Intersection of Florissant and Goodfellow Avenues -----   | 38 42 47.0 | 90 15 17.6 | 7,240 |
| Intersection of Goodfellow and Lillian Avenues -----  | 38 42 05.3 | 90 15 47.8 | 4,852 |
| Junction of Lillian Avenue and Jennings Road S. (previously described) -----                          | 38 42 13.4 | 90 16 05.8 | 1,645 |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 13. FROM SEC. 8, T. 45 N., R. 6 E., NORTH AND EAST TO POINT NEAR INTERSECTION OF HANLEY AND OLIVE STREET ROADS (not shown on diagram; by W. R. Broadus in 1933)                                |             |             |          |
| 38 M 1931 (previously described) -----   | 38 39 11.69 | 90 21 59.88 | .....    |
| Junction of Bonhomme and Price Roads -----   | 38 39 59.3  | 90 21 59.2  | 4,821    |
| Junction of Olive Street and Price Roads -----   | 38 40 26.7  | 90 21 59.2  | 2,764    |
| Intersection of Olive Street and Woodson Roads --  | 38 40 26.5  | 90 21 23.5  | 2,828    |
| Olive Street Road at point 100 ft. E. of   |             |             |          |
| Eastover Avenue -----  | 38 40 21.0  | 90 20 21.0  | 4,985    |
| Intersection of Hanley and Olive Street Roads ---  | 38 40 17.2  | 90 19 53.4  | 2,214    |
| Hanley Road at point 737 ft. S. of intersection of Olive Street Road (previously described) ---  | 38 40 10.4  | 90 19 54.6  | 737      |
| 14. FROM INTERSECTION OF HANLEY ROAD AND FORSYTHE BOULEVARD SOUTH AND EAST TO CITY HOSPITAL (not shown on diagram; by W. R. Broadus in 1933)   |             |             |          |
| Intersection of Hanley Road and Forsythe Boulevard (previously described) -----  | 38 38 59.4  | 90 20 02.3  | .....    |
| Junction of Clayton Road and Hanley Road N. ---  | 38 38 15.6  | 90 20 08.3  | 4,455    |
| Hanley Road at point 400 ft. N. of junction of Eager Avenue W. -----   | 38 37 49.0  | 90 20 05.3  | 2,704    |
| Junction of Hanley and Manchester Roads -----  | 38 36 45.9  | 90 20 00.5  | 6,399    |
| 59 M 1931 (previously described) -----   | 38 36 45.50 | 90 19 25.33 | 2,790    |
| Junction of Ellendale Street and Southwest Avenue  | 38 36 46.4  | 90 16 37.2  | 3,818    |
| Insane Asylum triangulation sta. (previously described) -----  | 38 36 13.89 | 90 16 44.03 | 9,570    |
| 15. FROM JUNCTION OF CLAYTON ROAD AND HANLEY ROAD NORTH, WEST, AND NORTH TO JUNCTION OF FORSYTHE BOULEVARD AND COLEMAN AVENUE (not shown on diagram; by W. R. Broadus in 1933)                 |             |             |          |
| Junction of Clayton Road and Hanley Road N. (previously described) -----   | 38 38 15.6  | 90 20 08.3  | .....    |
| Intersection of Clayton and North and South Roads  | 38 38 17.0  | 90 20 43.6  | 2,806    |
| Junction of Forsythe Boulevard and North and South Road (previously described) -----   | 38 39 01.6  | 90 20 28.6  | 4,675    |
| 16. FROM ELMWOOD PARK EAST AND NORTH TO LAMBERT ST. LOUIS AIRPORT (not shown on diagram; by W. R. Broadus in 1933)   |             |             |          |
| 34 M 1931 (previously described) -----   | 38 41 03.86 | 90 22 32.45 | .....    |
| Junction of Page Boulevard and Elmwood Avenue (previously described) -----   | 38 41 19.1  | 90 22 29.4  | 1,565    |
| Intersection of Page Boulevard and Woodson Road -  | 38 41 13.4  | 90 21 42.6  | 3,753    |
| 33 M 1931 (previously described) -----   | 38 42 03.86 | 90 21 42.81 | 5,102    |
| Junction of U.S. Highway 40 and Woodson Road ---   | 38 42 56.6  | 90 21 34.8  | 5,380    |
| 32 M 1931 (previously described) -----   | 38 43 35.58 | 90 22 44.83 | 6,808    |
| Junction of St. Charles Rock Road and Ashby Road--   | 38 43 46.2  | 90 23 04.5  | 1,893    |
| Cross in center of State Highway 77, S. of bridge over St. Charles Rock Road -----   | 38 44 06.8  | 90 24 07.7  | 5,425    |
| Center of State Highway 77 at point about 1,262 ft. S. of intersection of Long Road -----  | 38 44 33.4  | 90 23 44.5  | 3,260    |
| (For balance in St. Charles quadrangle, see line 2.)   |             |             |          |
| Center of Natural Bridge Road at point about 945 ft. NW. of drive to Lambert St. Louis Airport Radio Sta. -----  | 38 44 40.0  | 90 22 22.6  | (5,432)  |
| Junction of Natural Bridge Road, Edmundson Road, and airport rd. -----   | 38 44 22.0  | 90 21 49.8  | 3,178    |
| 17. FROM INTERSECTION OF HANLEY ROAD AND FORSYTHE BOULEVARD EAST, SOUTH, AND WEST TO POINT NEAR JUNCTION OF HANLEY ROAD AND EAGER AVENUE WEST (not shown on diagram; by W. R. Broadus in 1933) |             |             |          |
| Intersection of Hanley Road and Forsythe Boulevard (previously described) -----  | 38 38 59.4  | 90 20 02.3  | .....    |
| Junction of Forsythe Boulevard and Skinker Road -  | 38 38 45.3  | 90 18 04.1  | 9,488    |
| Junction of Clayton and Skinker Roads -----  | 38 38 00.0  | 90 18 15.2  | 4,678    |
| Junction of Dale Avenue and Big Bend Road -----  | 38 37 40.7  | 90 19 11.4  | 4,868    |
| Hanley Road at point 400 ft. N. of junction of Eager Avenue W. (previously described) -----  | 38 37 49.0  | 90 20 05.3  | 4,364    |
| 18. FROM JUNCTION OF CLAYTON ROAD AND HANLEY ROAD EAST TO JUNCTION OF CLAYTON AND SKINKER ROADS (not shown on diagram; by W. R. Broadus in 1933)   |             |             |          |
| Junction of Clayton Road and Hanley Road N. (previously described) -----   | 38 38 15.6  | 90 20 08.3  | .....    |
| Clayton Road at street junction -----  | 38 38 08.9  | 90 19 29.4  | 3,163    |
| Junction of Clayton and Skinker Roads (previously described) -----   | 38 38 00.0  | 90 18 15.2  | 5,955    |



| Station | Latitude | Longitude | Distance |
|---------|----------|-----------|----------|
|         | ° ' "    | ° ' "     | Feet     |

19. FROM JUNCTION OF DALE AVENUE AND BIG BEND ROAD NORTH TO JUNCTION OF DELMAR BOULEVARD (not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Junction of Dale Avenue and Big Bend Road (previously described) -----                           | 38 37 40.7 | 90 19 11.4 | ..... |
| Intersection of Big Bend Road and Forsythe Boulevard -----                                       | 38 38 50.4 | 90 18 56.5 | 7,158 |
| Center of Delmar Boulevard at point about 45 ft. W. of Big Bend Road (previously described) ---- | 38 39 24.4 | 90 18 50.4 | 3,473 |

20. FROM INTERSECTION OF PAGE BOULEVARD AND WOODSON ROAD EAST TO HANLEY ROAD (not shown on diagram; by W. R. Broadus in 1933)

|  |             |             |       |
|--|-------------|-------------|-------|
| Intersection of Page Boulevard and Woodson Road (previously described) ----- | 38 41 13.4  | 90 21 42.6  | ..... |
| Intersection of Page Boulevard and Walton Road --                            | 38 41 07.9  | 90 20 50.9  | 4,139 |
| Intersection of Page Boulevard and North and South Road -----                | 38 41 00.7  | 90 20 08.8  | 3,419 |
| 58 M 1931 (previously described) -----                                       | 38 40 59.93 | 90 19 42.49 | 2,083 |

21. FROM INTERSECTION OF PAGE BOULEVARD AND PENNSYLVANIA AVENUE, NORTH AND EAST TO JUNCTION OF NATURAL BRIDGE ROAD AND LUCAS HUNT ROAD NORTH (not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Center of Delmar Boulevard at point about 45 ft. W. of Big Bend Road (previously described) ---- | 38 39 24.4 | 90 18 50.4 | ..... |
| Intersection of Page Boulevard and Pennsylvania Avenue -----                                     | 38 40 36.2 | 90 18 51.2 | 7,256 |
| Junction of St. Charles Rock Road and Normandy Drive -----                                       | 38 41 34.3 | 90 19 01.0 | 5,925 |
| Cross at intersection of tangents on N. side of Natural Bridge Road -----                        | 38 42 26.4 | 90 18 29.9 | 5,815 |
| Junction of Natural Bridge Road and Lucas Hunt Road N. (previously described) -----              | 38 42 05.1 | 90 17 33.0 | 4,997 |

22. FROM JUNCTION OF U.S. HIGHWAY 40 AND WOODSON ROAD NORTH AND EAST INTO ST. CHARLES QUADRANGLE AT CHAMBERS ROAD (not shown on diagram; by W. R. Broadus in 1933)

|   |            |            |       |
|---|------------|------------|-------|
| Junction of U.S. Highway 40 and Woodson Road (previously described) -----                     | 38 42 56.6 | 90 21 34.8 | ..... |
| Edmundson rd. at point 100 ft. N. of junction of private rd. W. -----                         | 38 43 44.6 | 90 21 51.3 | 5,027 |
| Junction of Natural Bridge Road, Edmundson Road, and airport rd. (previously described) ----- | 38 44 22.0 | 90 21 49.8 | 3,780 |
| Junction of airport rd. and Brown Road -----  | 38 44 58.6 | 90 20 42.5 | 6,423 |
| Junction of airport rd. and Graham Road -----   | 38 44 58.4 | 90 20 16.2 | 2,086 |
| Junction of airport rd. and Evergreen Street ----   | 38 44 59.9 | 90 19 53.6 | 1,797 |
| Intersection of airport rd. (Settle Avenue) and Dade Street -----                             | 38 44 47.1 | 90 18 54.5 | 4,855 |
| Intersection of airport rd. (Hereford Street) and Florissant Road, 1 ft. S. of manhole -----  | 38 44 55.0 | 90 18 25.6 | 2,429 |
| Intersection of Chambers Road and Florissant Avenue -----                                     | 38 44 57.7 | 90 16 47.4 | 7,785 |
| Junction of Chambers and Halls Ferry Roads -----  | 38 44 57.3 | 90 15 14.8 | 7,336 |

(Continued in Alton quadrangle; see line 1.)

23. FROM JUNCTION OF U.S. HIGHWAY 40 AND WOODSON ROAD SOUTHEAST TO JUNCTION OF CARSON AND ST. CHARLES ROCK ROADS (not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Junction of U.S. Highway 40 and Woodson Road (previously described) -----  | 38 42 56.6 | 90 21 34.8 | ..... |
| Junction of St. Charles Rock Road and Brown Road N. -----                  | 38 42 38.2 | 90 21 00.7 | 3,285 |
| Junction of St. Charles Rock Road and Lackland Avenue -----                | 38 42 10.2 | 90 20 09.0 | 4,980 |
| Junction of Carson and St. Charles Rock Roads (previously described) ----- | 38 41 50.7 | 90 19 31.4 | 3,577 |

24. FROM JUNCTION OF BROWN AND ST. CHARLES ROCK ROADS NORTH AND NORTHWEST TO JUNCTION OF NATURAL BRIDGE AND EDMUNDSON ROADS (not shown on diagram; by W. R. Broadus in 1933)

|   |            |            |       |
|---|------------|------------|-------|
| Junction of St. Charles Rock Road and Brown Road N. (previously described) -----                                    | 38 42 38.2 | 90 21 00.7 | ..... |
| Intersection of North Avenue and Brown Road -----   | 38 43 07.0 | 90 20 54.0 | 2,970 |
| Intersection of Brown and Natural Bridge Roads --   | 38 43 44.4 | 90 20 39.4 | 3,957 |
| Natural Bridge Road at point about 763 ft. NW. of centerline of porch of U.S. Department of Commerce Building ----- | 38 44 02.2 | 90 21 11.2 | 3,097 |
| Junction of Natural Bridge Road, Edmundson Road, and airport rd. (previously described) -----                       | 38 44 22.0 | 90 21 49.8 | 3,652 |

| Station | Latitude | Longitude | Distance |
|---------|----------|-----------|----------|
|         | ° ' "    | ° ' "     | Feet     |

25. FROM JUNCTION OF AIRPORT AND BROWN ROADS SOUTHEAST TO JUNCTION OF NATURAL BRIDGE AND CARSON ROADS (not shown on diagram; by W. R. Broadus in 1933)

|   |            |            |       |
|---|------------|------------|-------|
| Junction of airport rd. and Brown Road (previously described) -----   | 38 44 58.6 | 90 20 42.5 | ..... |
| Intersection of tangents at turn in Brown Road from N.-E. about 144 ft. W. of flagpole in yard of A. Funk ----- | 38 44 20.7 | 90 20 29.8 | 3,969 |
| Intersection of Brown and Natural Bridge Roads (previously described) -----                                     | 38 43 44.4 | 90 20 39.4 | 3,743 |
| Intersection of tangents at curve in Natural Bridge Road about 848 ft. NW. of junction of Edgar Avenue S. ----- | 38 43 16.4 | 90 20 02.3 | 4,084 |
| Junction of Natural Bridge Road and Carson Road S. (previously described) -----                                 | 38 42 37.8 | 90 19 09.2 | 5,735 |

26. FROM JUNCTION OF AIRPORT ROAD AND EVERGREEN STREET SOUTH TO JUNCTION OF NATURAL BRIDGE AND CARSON ROADS (not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Junction of airport rd. and Evergreen Street (previously described) -----                                | 38 44 59.9 | 90 19 53.6 | ..... |
| Intersection of Lix and Scudder Roads -----  | 38 44 26.1 | 90 19 29.2 | 3,932 |
| Intersection of tangents at curve in Carson Road about 110 ft. SE. of junction of Bangert Drive E. ----- | 38 43 41.3 | 90 19 17.2 | 4,624 |
| Junction of Carson and Geiger Roads -----  | 38 43 05.4 | 90 19 03.6 | 3,790 |
| Junction of Natural Bridge Road and Carson Road S. (previously described) -----                          | 38 42 37.8 | 90 19 09.2 | 2,823 |

27. FROM INTERSECTION OF AIRPORT ROAD (HEREFORD STREET) AND FLORISSANT ROAD SOUTH TO JUNCTION OF NATURAL BRIDGE AND LUCAS HUNT ROADS (not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Intersection of airport rd. (Hereford Street) and Florissant Road, 1 ft. S. of manhole (previously described) -----    | 38 44 55.0 | 90 18 25.6 | ..... |
| Center of Florissant Road at point 10 ft. N. of E. face of garage, about 216 ft. N. of junction of Lee Avenue E. ----- | 38 44 15.4 | 90 18 08.0 | 4,241 |
| Junction of Florissant Road and Woodstock Avenue E. -----  | 38 43 50.4 | 90 18 05.8 | 2,529 |
| Junction of Florissant Road and Evans Lane -----   | 38 43 30.1 | 90 18 13.7 | 2,153 |
| Center of Florissant Road at point about 532 ft. N. of Wabash Ry. overhead crossing -----                              | 38 42 49.2 | 90 18 15.4 | 4,141 |
| Junction of Natural Bridge Road and Lucas Hunt Road N. (previously described) -----                                    | 38 42 05.1 | 90 17 33.0 | 5,579 |

28. FROM JUNCTION OF FLORISSANT ROAD AND WOODSTOCK AVENUE EAST AND SOUTH TO JUNCTION OF NATURAL BRIDGE AND LUCAS HUNT ROADS (not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Junction of Florissant Road and Woodstock Avenue E. (previously described) -----     | 38 43 50.4 | 90 18 05.8 | ..... |
| Center of rd. at point about 40 ft. S. of private drive to Sunderland dwelling ----- | 38 43 33.5 | 90 17 35.8 | 2,934 |
| Intersection of North Hills and Bermuda Drives --                                    | 38 42 55.6 | 90 17 50.8 | 4,213 |
| Junction of Natural Bridge Road and Lucas Hunt Road N. (previously described) -----  | 38 42 05.1 | 90 17 33.0 | 5,128 |

29. FROM INTERSECTION OF CHAMBERS ROAD AND FLORISSANT AVENUE SOUTH TO INTERSECTION OF FLORISSANT AVENUE AND LUCAS HUNT ROAD (not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Intersection of Chambers Road and Florissant Avenue (previously described) -----     | 38 44 57.7 | 90 16 47.4 | ..... |
| Center of Florissant Avenue at point about 1,487 ft. N. of Wabash Ry. crossing ----- | 38 44 11.4 | 90 16 41.0 | 4,707 |
| Intersection of Florissant Avenue and Lucas Hunt Road (previously described) -----   | 38 43 31.2 | 90 16 29.4 | 4,171 |

30. FROM ROCK HILL QUARRY WEST AND NORTH TO JUNCTION OF WARSON AND LADUE ROADS (not shown on diagram; by W. R. Broadus in 1933)

|   |             |             |       |
|---|-------------|-------------|-------|
| 39 M 1931 (previously described) -----                            | 38 37 08.00 | 90 21 45.03 | ..... |
| Intersection of Litzinger and Warson Roads -----                  | 38 37 31.5  | 90 23 45.8  | 9,878 |
| Center of Warson Road at point 270 ft. N. of Litzinger Road ----- | 38 37 34.2  | 90 23 45.7  | 270   |
| Intersection of Warson and Clayton Roads -----                    | 38 38 08.8  | 90 23 44.9  | 3,507 |
| Intersection of Warson and Conway Roads -----                     | 38 38 31.6  | 90 23 44.4  | 2,305 |
| Junction of Warson Roads and Ladue Road E. -----                  | 38 39 13.4  | 90 23 43.2  | 4,227 |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 31. FROM JUNCTION OF ST. CHARLES ROCK ROAD AND ASHBY ROAD SOUTH TO SEC. 1,<br>T. 45 N., R. 5 E. (not shown on diagram; by W. R. Broadus in 1933)                                 |             |             |          |
| Junction of St. Charles Rock Road and Ashby<br>Road (previously described) -----   | 38 43 46.2  | 90 23 04.5  | .....    |
| Center of Ashby Road at point 65 ft. S. of<br>Litzinger Avenue -----   | 38 42 57.3  | 90 23 18.0  | 5,061    |
| Center of Ashby Road at point in line with<br>Lackland Avenue W. -----   | 38 41 48.6  | 90 23 28.9  | 7,006    |
| Cross in concrete at intersection of Page<br>Boulevard and Link Road -----   | 38 41 31.8  | 90 23 46.4  | 2,914    |
| Morgan triangulation sta. (previously described) -   | 38 40 20.67 | 90 23 51.22 | 7,208    |
| 32. FROM JUNCTION OF WARSON AND LADUE ROADS WEST TO INTERSECTION OF LADUE<br>ROAD AND STATE HIGHWAY 77 (not shown on diagram; by W. R. Broadus<br>in 1933)                       |             |             |          |
| Junction of Warson Road and Ladue Road E.<br>(previously described) -----  | 38 39 13.4  | 90 23 43.2  | .....    |
| Cross in center of Ladue Road at intersection<br>of State Highway 77 -----   | 38 39 18.0  | 90 24 18.9  | 2,870    |
| 33. FROM JUNCTION OF CLAYTON AND PRICE ROADS WEST TO INTERSECTION OF WARSON<br>AND CONWAY ROADS (not shown on diagram; by W. R. Broadus in 1933)                                 |             |             |          |
| Iron stake at junction of Clayton and Price<br>Roads (previously described) -----  | 38 38 28.6  | 90 22 00.3  | .....    |
| Conway Road at point 200 ft. N. of Clayton Road -<br>Intersection of Warson and Conway Roads (previ-<br>ously described) -----   | 38 38 23.9  | 90 23 13.9  | 5,857    |
|  | 38 38 31.6  | 90 23 44.4  | 2,546    |
| 34. FROM SEC. 1, T. 45 N., R. 5 E., NORTH TO INTERSECTION OF STATE HIGHWAY 77<br>AND ST. CHARLES ROCK ROAD (not shown on diagram; by W. R. Broadus<br>in 1933)                   |             |             |          |
| Morgan triangulation sta. (previously described) -   | 38 40 20.67 | 90 23 51.22 | .....    |
| Intersection of State Highway 77 and Olive Street<br>Road -----  | 38 40 30.5  | 90 24 16.6  | 2,246    |
| Center of State Highway 77 at point about 4,662<br>ft. N. of Olive Street Road -----   | 38 41 16.6  | 90 24 16.3  | 4,662    |
| Intersection of State Highway 77 and Lackland<br>Avenue -----  | 38 41 54.5  | 90 24 30.2  | 3,988    |
| Intersection of State Highway 77 and Adie Road --  | 38 42 39.1  | 90 24 30.4  | 4,506    |
| Cross in center of State Highway 77 about<br>2,527 ft. S. of old St. Charles Rock Road ----  | 38 43 28.2  | 90 24 23.3  | 5,003    |
| Cross in center of State Highway 77, S. of<br>bridge over St. Charles Rock Road -----  | 38 44 06.3  | 90 24 07.7  | 4,097    |
| 35. FROM INTERSECTION OF STATE HIGHWAY 77 AND OLIVE STREET ROAD SOUTH AND EAST<br>TO INTERSECTION OF WARSON AND CONWAY ROADS (not shown on diagram;<br>by W. R. Broadus in 1933) |             |             |          |
| Intersection of State Highway 77 and Olive<br>Street Road (previously described) -----   | 38 40 30.5  | 90 24 16.6  | .....    |
| Cross in center of Ladue Road at intersection of<br>State Highway 77 (previously described) -----  | 38 39 18.0  | 90 24 18.9  | 7,340    |
| Junction of State Highway 77 and Conway Road E. -  | 38 38 34.9  | 90 24 19.5  | 4,356    |
| Intersection of Warson and Conway Roads -----  | 38 38 31.6  | 90 23 44.4  | 2,807    |
| 36. FROM JUNCTION OF STATE HIGHWAY 77 AND CONWAY ROAD SOUTH TO INTERSECTION OF<br>STATE HIGHWAY 77 AND SAPPINGTON ROAD (not shown on diagram; by<br>W. R. Broadus in 1933)       |             |             |          |
| Junction of State Highway 77 and Conway Road E.<br>(previously described) -----  | 38 38 34.9  | 90 24 19.5  | .....    |
| Intersection of State Highway 77 and Clayton Road  | 38 37 58.6  | 90 24 20.3  | 3,666    |
| Center of State Highway 77 at point about 220 ft.<br>S. of Litzinger Road -----  | 38 37 30.0  | 90 24 20.8  | 2,900    |
| Center of State Highway 77 at point about 530 ft.<br>S. of S. end of bridge over Twomile Creek ----  | 38 36 45.5  | 90 24 21.5  | 4,500    |
| Intersection of State Highway 77 and Manchester<br>Road -----  | 38 36 00.3  | 90 24 22.2  | 4,570    |
| Center of State Highway 77 at point 303 ft. N.<br>of Adams Street -----  | 38 35 02.6  | 90 24 22.2  | 5,830    |
| Intersection of State Highway 77 and Big Bend<br>Road -----  | 38 34 00.0  | 90 24 23.9  | 6,340    |
| Center of State Highway 77 bridge in line with<br>U.S. Highway 66 -----  | 38 33 19.6  | 90 24 24.8  | 4,086    |
| Center of State Highway 77 at point about 1,004<br>ft. SE. of junction of West Watson Road -----   | 38 32 40.5  | 90 24 05.6  | 4,240    |
| Intersection of State Highway 77 and Denny Road -  | 38 32 12.9  | 90 23 24.3  | 4,306    |
| Intersection of State Highway 77 and Gravois Road  | 38 31 58.6  | 90 23 04.5  | 2,135    |
| Intersection of State Highway 77 and Sappington<br>Road -----  | 38 31 44.9  | 90 22 48.0  | 1,911    |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| 37. FROM ROCK HILL QUARRY SOUTH TO INTERSECTION OF STATE HIGHWAY 77 AND<br>TESSON FERRY ROAD (not shown on diagram; by W. R. Broadus in 1933) |             |             |          |
| 39 M 1931 (previously described) -----  | 38 37 08.00 | 90 21 45.03 | .....    |
| Junction of Manchester and Rock Hill Roads -----  | 38 36 32.6  | 90 21 55.2  | 3,673    |
| Junction of Manchester and Warson Roads -----   | 38 36 27.6  | 90 22 16.5  | 1,759    |
| 43 M 1931 (previously described) -----  | 38 36 17.71 | 90 22 42.22 | 2,276    |
| Intersection of Berry and Kirkham Roads -----   | 38 35 44.5  | 90 22 37.1  | 3,387    |
| Junction of Berry Road and Lockwood Avenue E. ---   | 38 35 01.6  | 90 22 37.7  | 4,340    |
| 44 M 1931 (previously described) -----  | 38 34 26.04 | 90 22 38.08 | 3,594    |
| Center of Big Bend Road about 292 ft. NE. of<br>Sappington Road -----   | 38 34 14.1  | 90 23 11.6  | 2,921    |
| Junction of Big Bend and Sappington Roads -----   | 38 34 12.3  | 90 23 14.5  | 292      |
| Junction of Sappington Road and Raven Avenue -----  | 38 33 40.1  | 90 23 10.8  | 3,270    |
| U.S. Highway 66 at Sappington Road S. -----   | 38 33 26.0  | 90 22 53.5  | 1,983    |
| 47 M 1931 (previously described) -----  | 38 32 39.28 | 90 22 47.41 | 4,751    |
| Intersection of Sappington and Gravois Roads -----  | 38 32 10.2  | 90 22 47.8  | 2,945    |
| Intersection of State Highway 77 and Sappington<br>Road (previously described) -----  | 38 31 44.9  | 90 22 48.0  | 2,557    |
| State Highway 77 in front of dwelling -----   | 38 31 34.8  | 90 22 00.6  | 3,900    |
| Intersection of State Highway 77 and Tesson Ferry<br>Road -----   | 38 31 27.5  | 90 21 26.9  | 2,782    |

38. FROM BIG BEND ROAD AT SAPPINGTON ROAD NORTH TO MANCHESTER ROAD (not shown  
on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Center of Big Bend Road about 292 ft. NE. of<br>Sappington Road (previously described) ----- | 38 34 14.1 | 90 23 11.6 | ..... |
| Intersection of Sappington Road and Lockwood<br>Avenue -----                                 | 38 34 58.8 | 90 23 11.4 | 4,522 |
| Junction of Sappington and Kirkham Roads -----   | 38 35 44.8 | 90 23 10.7 | 4,651 |
| Center of Manchester Road about 259 ft. W. of<br>Sappington Road -----                       | 38 36 09.7 | 90 23 13.5 | 2,536 |

39. FROM INTERSECTION OF SAPPINGTON ROAD AND LOCKWOOD AVENUE WEST, NORTH, AND  
EAST TO INTERSECTION OF MANCHESTER AND SAPPINGTON ROADS (not shown on  
diagram; by W. R. Broadus in 1933)

|   |            |            |       |
|---|------------|------------|-------|
| Intersection of Sappington Road and Lockwood<br>Avenue (previously described) -----           | 38 34 58.8 | 90 23 11.4 | ..... |
| Center of Woodlawn Avenue about 366 ft. N. of<br>Essex Drive -----                            | 38 35 23.0 | 90 23 48.9 | 3,857 |
| Center of Manchester Road about 234 ft. W. of<br>Woodlawn Avenue N. -----                     | 38 36 02.3 | 90 23 51.0 | 3,989 |
| Center of Manchester Road about 25 ft. W. of<br>Bennet Avenue N. -----                        | 38 36 08.2 | 90 23 20.8 | 2,474 |
| Center of Manchester Road about 259 ft. W. of<br>Sappington Road (previously described) ----- | 38 36 09.7 | 90 23 13.5 | 600   |

40. FROM INTERSECTION OF STATE HIGHWAY 77 AND MANCHESTER ROAD WEST, SOUTH,  
AND EAST TO INTERSECTION OF STATE HIGHWAY 77 AND BIG BEND ROAD (not  
shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Intersection of State Highway 77 and Manchester<br>Road (previously described) ----- | 38 36 00.3 | 90 24 22.2 | ..... |
| Cross in center of Manchester Road, 358 ft. E. of<br>Ormond Drive -----              | 38 35 55.6 | 90 24 58.9 | 2,949 |
| Cross in center of Manchester Road, 60 ft. E. of<br>stone box -----                  | 38 36 03.0 | 90 25 51.8 | 4,270 |
| Cross in center of Ballas Road, 323 ft. N. of<br>concrete culvert -----              | 38 35 26.6 | 90 26 38.5 | 5,225 |
| Cross at intersection of Ballas and Dougherty<br>Ferry Roads -----                   | 38 35 03.5 | 90 26 36.0 | 2,343 |
| Cross at junction of Ballas and Sugar Creek Roads -----                              | 38 34 47.9 | 90 26 22.2 | 1,918 |
| Cross at intersection of Woodbine and Bach Roads -----                               | 38 34 27.7 | 90 26 04.7 | 2,468 |
| Cross in center of Big Bend Road, 5 ft. E. of<br>Geyer Road -----                    | 38 34 00.5 | 90 24 56.7 | 6,062 |
| Intersection of State Highway 77 and Big Bend<br>Road (previously described) -----   | 38 34 00.0 | 90 24 23.9 | 2,605 |

41. FROM MANCHESTER ROAD AT ORMOND DRIVE SOUTH TO BIG BEND ROAD AT GEYER ROAD  
(not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Cross in center of Manchester Road, 358 ft. E.<br>of Ormond Drive (previously described) ----- | 38 35 55.6 | 90 24 58.9 | ..... |
| Cross at junction of Geyer and Dougherty Ferry<br>Roads -----                                  | 38 35 34.4 | 90 24 56.8 | 2,146 |
| Cross, 3 ft. N. of intersection of Geyer and<br>Sugar Creek Roads -----                        | 38 35 00.5 | 90 24 55.3 | 3,430 |
| Cross at intersection of Geyer Road and Woodbine<br>Avenue -----                               | 38 34 27.5 | 90 24 56.0 | 3,343 |
| Cross in center of Big Bend Road, 5 ft. E. of<br>Geyer Road (previously described) -----       | 38 34 00.5 | 90 24 56.7 | 2,725 |

| Station | Latitude | Longitude | Distance |
|---------|----------|-----------|----------|
|         | ° ' "    | ° ' "     | Feet     |

42. FROM INTERSECTION OF GEYER AND SUGAR CREEK ROADS WEST TO BALLAS ROAD  
(not shown on diagram; by W. R. Broadus in 1933)

|   |            |            |       |
|---|------------|------------|-------|
| Cross, 3 ft. N. of intersection of Geyer and Sugar Creek Roads (previously described) ----- | 38 35 00.5 | 90 24 55.3 | ..... |
| Cross in center of Sugar Creek Road about 3,233 ft. W. of Geyer Road -----                  | 38 35 01.7 | 90 25 36.0 | 3,233 |
| Cross at junction of Ballas and Sugar Creek Roads (previously described) -----              | 38 34 47.9 | 90 26 22.2 | 3,921 |

43. FROM JUNCTION OF GEYER AND DOUGHERTY FERRY ROADS WEST TO BALLAS ROAD  
(not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Cross at junction of Geyer and Dougherty Ferry Roads (previously described) -----      | 38 35 34.4 | 90 24 56.8 | ..... |
| Cross in center of Dougherty Ferry Road about 1,244 ft. NE. of Essex Avenue -----      | 38 35 28.6 | 90 25 41.2 | 3,574 |
| Cross at intersection of Ballas and Dougherty Ferry Roads (previously described) ----- | 38 35 03.5 | 90 26 36.0 | 5,041 |

44. FROM INTERSECTION OF CLAYTON AND NORTH AND SOUTH ROADS SOUTH AND EAST TO JUNCTION OF HANLEY AND MANCHESTER ROADS (not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Intersection of Clayton and North and South Roads (previously described) ----- | 38 38 17.0 | 90 20 43.6 | ..... |
| Intersection of North and South and Litzinger Roads -----                      | 38 37 03.1 | 90 20 54.2 | 7,522 |
| Intersection of North and South and Manchester Roads -----                     | 38 36 45.1 | 90 20 57.1 | 1,841 |
| Manchester Road at point 274 ft. W. of Florence Avenue N. -----                | 38 36 42.1 | 90 20 14.0 | 3,436 |
| Junction of Hanley and Manchester Roads (previously described) -----           | 38 36 45.9 | 90 20 00.5 | 1,133 |

45. FROM JUNCTION OF MANCHESTER AND BIG BEND ROADS SOUTH TO MEHLVILLE (not shown on diagram; by W. R. Broadus in 1933)

|   |             |             |       |
|---|-------------|-------------|-------|
| 59 M 1931 (previously described) -----  | 38 36 45.50 | 90 19 25.33 | ..... |
| Intersection of Laclede Station Road and Tuxedo Boulevard -----                     | 38 36 02.6  | 90 19 51.5  | 4,822 |
| Junction of Big Bend Road and Laclede Station Road E. -----                         | 38 35 33.1  | 90 20 12.4  | 3,405 |
| Center of Laclede Station Road, 23 ft. S. of intersection of Yale Avenue -----      | 38 35 00.2  | 90 20 13.8  | 3,325 |
| Intersection of U.S. Highway 66 and Laclede Station Road -----                      | 38 34 05.1  | 90 20 23.1  | 5,628 |
| Intersection of Laclede Station and Rock Hill Roads -----                           | 38 33 21.9  | 90 20 30.3  | 4,410 |
| Intersection of Gravois Road and tangent of Laclede Station Road produced -----     | 38 32 54.8  | 90 20 35.0  | 2,765 |
| Intersection of Gravois and Tesson Ferry Roads --                                   | 38 33 02.8  | 90 19 57.2  | 3,107 |
| Tesson Ferry Road at point 3,439 ft. S. of Gravois Road -----                       | 38 32 28.7  | 90 19 58.6  | 3,449 |
| Center of Tesson Ferry Road, 68 ft. W. of center of Musick Road N. -----            | 38 31 50.5  | 90 20 41.2  | 5,131 |
| Intersection of State Highway 77 and Tesson Ferry Road (previously described) ----- | 38 31 27.5  | 90 21 26.9  | 4,312 |
| Center of State Highway 77, 178 ft. N. of intersection of Vontalge Road -----       | 38 30 58.2  | 90 20 33.7  | 5,163 |
| Intersection of State Highway 77 and Union Road -----                               | 38 30 34.2  | 90 19 55.1  | 3,912 |
| Kleinschmidt triangulation sta. (previously described) -----                        | 38 30 19.85 | 90 19 29.62 | 2,491 |

46. FROM JUNCTION OF MANCHESTER AND BIG BEND ROADS SOUTH TO MEHLVILLE (not shown on diagram; by W. R. Broadus in 1933)

|   |             |             |       |
|---|-------------|-------------|-------|
| 59 M 1931 (previously described) -----                          | 38 36 45.50 | 90 19 25.33 | ..... |
| Intersection of Big Bend Road and Gratiot Street produced ----- | 38 35 59.3  | 90 19 31.5  | 4,700 |
| Intersection of Gratiot and Murdock Streets -----               | 38 35 27.6  | 90 19 37.4  | 3,238 |
| Center of U.S. Highway 66, 1,087 ft. SW. of Weil Avenue -----   | 38 35 04.8  | 90 18 58.1  | 3,881 |
| Cross at intersection of Mackenzie and Heege Roads -----        | 38 33 56.2  | 90 19 15.0  | 7,069 |
| Center of Mackenzie Road, 299 ft. N. of Gravois Road -----      | 38 33 12.4  | 90 19 23.2  | 4,472 |
| Intersection of Gravois and Mackenzie Roads -----               | 38 33 09.5  | 90 19 23.3  | 299   |
| Junction of Gravois Road and Weber Road E. -----                | 38 33 18.1  | 90 18 51.8  | 2,649 |
| Junction of Bayless and Morgan Ford Roads -----                 | 38 32 55.8  | 90 17 55.8  | 6,444 |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Junction of U.S. Highway 61 and Bayless Road ----            | 38 32 27.2  | 90 16 47.1  | 4,832    |
| Junction of U.S. Highway 61 and Telegraph Road --            | 38 32 00.3  | 90 17 13.1  | 3,412    |
| Junction of U.S. Highway 61 and Green Park Road --           | 38 31 31.4  | 90 17 45.4  | 3,887    |
| Junction of U.S. Highway 61 and Buckley Road ----            | 38 31 08.8  | 90 18 22.8  | 3,746    |
| Junction of U.S. Highway 61 and State Highway 77--           | 38 30 21.2  | 90 19 33.0  | 7,380    |
| Kleinschmidt triangulation sta. (previously described) ----- | 38 30 19.85 | 90 19 29.62 | 307      |

47. FROM MEHLVILLE NORTH TO JUNCTION OF BAYLESS AND MORGAN FORD ROADS (not shown on diagram; by W. R. Broadus in 1933)

|   |            |            |       |
|---|------------|------------|-------|
| Junction of U.S. Highway 61 and State Highway 77 (previously described) ----- | 38 30 21.2 | 90 19 33.0 | ..... |
| Junction of Union and Green Park Roads -----                                  | 38 31 40.3 | 90 18 51.9 | 8,688 |
| Union Road at crossroad -----   | 38 31 56.0 | 90 18 36.4 | 2,007 |
| Junction of Bayless and Morgan Ford Roads (previously described) -----        | 38 32 55.8 | 90 17 35.8 | 7,734 |

48. FROM INTERSECTION OF GRAVOIS ROAD AND LACLEDE STATION ROAD WEST TO INTERSECTION OF SAPPINGTON AND GRAVOIS ROADS (not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Intersection of Gravois Road and Tangent of Laclede Station Road produced (previously described) ----- | 38 32 54.8 | 90 20 35.0 | ..... |
| Center of Gravois Road about 1,180 ft. SW. of brick dwelling of J. A. Mechner -----                    | 38 32 38.4 | 90 21 24.8 | 4,290 |
| Intersection of Sappington and Gravois Roads (previously described) -----                              | 38 32 10.2 | 90 22 47.8 | 7,188 |

49. FROM JUNCTION OF BIG BEND AND LACLEDE STATION ROADS SOUTHWEST TO GLENDALE (not shown on diagram; by W. R. Broadus in 1933)

|  |             |             |       |
|--|-------------|-------------|-------|
| Junction of Big Bend Road and Laclede Station Road E. (previously described) ----- | 38 35 33.1  | 90 20 12.4  | ..... |
| Center of Big Bend Road about 812 ft. NE. of Bompert Road -----                    | 38 35 27.1  | 90 20 26.3  | 1,256 |
| Intersection of Big Bend and Jackson Roads -----                                   | 38 35 03.2  | 90 21 19.6  | 4,873 |
| Intersection of Big Bend Road and Elm Avenue -----                                 | 38 34 58.9  | 90 21 30.0  | 932   |
| Intersection of Big Bend and Rock Hill Roads -----                                 | 38 34 35.2  | 90 22 04.4  | 3,636 |
| 44 M 1931 (previously described) -----   | 38 34 26.06 | 90 22 37.94 | 2,831 |

50. FROM INTERSECTION OF BIG BEND AND ROCK HILL ROADS NORTH TO JUNCTION OF MANCHESTER AND ROCK HILL ROADS (not shown on diagram; by W. R. Broadus in 1933)

|   |            |            |       |
|---|------------|------------|-------|
| Intersection of Big Bend and Rock Hill Roads (previously described) ----- | 38 34 35.2 | 90 22 04.4 | ..... |
| Junction of Rock Hill Road and Bristol Avenue ---                         | 38 35 13.3 | 90 21 57.9 | 3,896 |
| Junction of Rock Hill Road and Bacon Avenue -----                         | 38 35 58.2 | 90 21 53.5 | 4,555 |
| Junction of Manchester and Rock Hill Roads (previously described) -----   | 38 36 32.6 | 90 21 55.2 | 3,482 |

51. FROM INTERSECTION OF BIG BEND ROAD AND ELM AVENUE NORTH TO INTERSECTION OF NORTH AND SOUTH AND MANCHESTER ROADS (not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Intersection of Big Bend Road and Elm Avenue (previously described) -----                | 38 34 58.9 | 90 21 30.0 | ..... |
| Junction of North Elm Street and Rosemont Avenue E. -----                                | 38 35 39.8 | 90 21 24.0 | 4,172 |
| Junction of Kirkham Road and North and South Road, 161 ft. S. of Atlanta Avenue E. ----- | 38 36 16.2 | 90 21 02.4 | 4,056 |
| Intersection of North and South and Manchester Roads (previously described) -----        | 38 36 45.1 | 90 20 57.1 | 2,953 |

52. FROM BIG BEND AND BOMPART ROADS NORTH TO MANCHESTER ROAD AND FLORENCE AVENUE (not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Center of Big Bend Road about 812 ft. NE. of Bompert Road (previously described) ----- | 38 35 27.1 | 90 20 26.3 | ..... |
| Intersection of Bompert Road and Tuxedo Boulevard                                      | 38 36 06.0 | 90 20 32.0 | 3,979 |
| Manchester Road at point 274 ft. W. of Florence Avenue N. (previously described) ----- | 38 36 42.1 | 90 20 14.0 | 3,930 |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 53. FROM U.S. HIGHWAY 66 AT POINT NEAR WEIL AVENUE NORTH TO CITY HOSPITAL<br>(not shown on diagram; by W. R. Broadus in 1933)  |             |             |          |
| Center of U.S. Highway 66, 1,087 ft. SW. of<br>Weil Avenue (previously described) -----  | 38 35 04.8  | 90 18 58.1  | .....    |
| Cross in center of Arsenal Street, 14 ft. E. of<br>Watson Road -----   | 38 36 26.4  | 90 17 33.5  | 10,638   |
| Insane Asylum triangulation sta. (previously<br>described) -----   | 38 36 13.89 | 90 16 44.03 | 4,127    |
| 54. FROM INTERSECTION OF U.S. HIGHWAY 66 AND LACLEDE STATION ROAD SOUTHWEST<br>TO U.S. HIGHWAY 66 AT SAPPINGTON ROAD (not shown on diagram;<br>by W. R. Broadus in 1933)   |             |             |          |
| Intersection of U.S. Highway 66 and Laclede<br>Station Road (previously described) -----   | 38 34 05.1  | 90 20 23.1  | .....    |
| Intersection of U.S. Highway 66 and Elm Street --<br>U.S. Highway 66 at Sappington Road S. (previously<br>described) -----   | 38 33 53.3  | 90 21 32.2  | 5,620    |
|  | 38 33 26.0  | 90 22 53.5  | 7,018    |
| 55. FROM INTERSECTION OF MACKENZIE AND HEEGE ROADS WEST TO INTERSECTION OF<br>U.S. HIGHWAY 66 AND LACLEDE STATION ROAD (not shown on diagram;<br>by W. R. Broadus in 1933) |             |             |          |
| Cross at intersection of Mackenzie and Heege<br>Roads (previously described) -----   | 38 33 56.2  | 90 19 15.0  | .....    |
| Junction of Heege Road and Vermont Avenue -----  | 38 34 00.9  | 90 20 00.1  | 3,621    |
| Intersection of U.S. Highway 66 and Laclede<br>Station Road (previously described) -----   | 38 34 05.1  | 90 20 23.1  | 1,876    |
| 56. FROM GARDENVILLE EAST TO WEBER TRIANGULATION STATION (not shown on<br>diagram; by W. R. Broadus in 1933)   |             |             |          |
| 64 M 1931 (previously described) -----   | 38 33 30.46 | 90 18 10.18 | .....    |
| Cross at junction of Gravois Road and Seibert<br>Avenue -----  | 38 33 34.8  | 90 18 03.6  | 680      |
| Cross at junction of Gravois Road and Hampton<br>Avenue -----  | 38 33 51.2  | 90 17 38.7  | 2,584    |
| Weber triangulation sta. (previously described) -  | 38 33 09.01 | 90 16 51.69 | 5,676    |
| 57. FROM JUNCTION OF HEEGE ROAD AND VERMONT AVENUE SOUTH TO INTERSECTION OF<br>GRAVOIS AND TESSON FERRY ROADS (not shown on diagram; by W. R. Broadus<br>in 1933)          |             |             |          |
| Junction of Heege Road and Vermont Avenue<br>(previously described) -----  | 38 34 00.9  | 90 20 00.1  | .....    |
| Intersection of Vermont and Rock Hill Roads -----  | 38 33 11.7  | 90 20 08.6  | 5,026    |
| Intersection of Gravois and Tesson Ferry Roads<br>(previously described) -----   | 38 33 02.8  | 90 19 57.2  | 1,283    |
| 58. FROM WEBER TRIANGULATION STATION SOUTH TO JUNCTION OF U.S. HIGHWAY 61<br>AND BAYLESS ROAD (not shown on diagram; by W. R. Broadus in 1933)                             |             |             |          |
| Weber triangulation sta. (previously described) -  | 38 33 09.01 | 90 16 51.69 | .....    |
| Center of U.S. Highway 61, 59 ft. SW. of junction<br>of rd. to Jefferson Barracks -----  | 38 32 37.1  | 90 16 22.4  | 3,989    |
| Junction of U.S. Highway 61 and Bayless Road<br>(previously described) -----   | 38 32 27.2  | 90 16 47.1  | 2,200    |
| 59. FROM JUNCTION OF U.S. HIGHWAY 61 AND GREEN PARK ROAD NORTHWEST TO<br>INTERSECTION OF GRAVOIS AND MACKENZIE ROADS (not shown on diagram;<br>by W. R. Broadus in 1933)   |             |             |          |
| Junction of U.S. Highway 61 and Green Park Road<br>(previously described) -----  | 38 31 31.4  | 90 17 45.4  | .....    |
| Junction of Green Park and Barracks Roads -----  | 38 31 37.1  | 90 18 01.1  | 1,372    |
| Union Road at crossroad (previously described) --  | 38 31 56.0  | 90 18 36.4  | 3,397    |
| Center of Barracks Road about 94 ft. E. of<br>junction of Reavis Road -----  | 38 32 10.2  | 90 19 13.1  | 3,246    |
| Intersection of Reavis, Mackenzie, and Barracks<br>Roads -----   | 38 32 37.5  | 90 19 24.0  | 2,896    |
| Intersection of Gravois and Mackenzie Roads<br>(previously described) -----  | 38 33 09.5  | 90 19 23.3  | 3,232    |

| Station | Latitude | Longitude | Distance |
|---------|----------|-----------|----------|
|         | ° ' "    | ° ' "     | Feet     |

60. FROM JUNCTION OF UNION AND GREEN PARK ROADS WEST TO TESSON FERRY ROAD  
AT MUSICK ROAD (not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Junction of Union and Green Park Roads<br>(previously described) -----                             | 38 31 40.3 | 90 18 51.9 | ..... |
| Center of Green Park Road, 287 ft. W. of<br>dwelling of J. Given -----                             | 38 31 19.6 | 90 19 35.5 | 4,047 |
| Center of Green Park Road, 114 ft. NW. of Miller<br>Road -----                                     | 38 31 43.4 | 90 20 31.1 | 5,034 |
| Center of Tesson Ferry Road, 68 ft. W. of center<br>of Musick Road N. (previously described) ----- | 38 31 50.5 | 90 20 41.2 | 1,075 |

61. FROM TESSON FERRY ROAD AT MUSICK ROAD NORTH TO GRAVOIS ROAD (not shown  
on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Center of Tesson Ferry Road, 68 ft. W. of center<br>of Musick Road N. (previously described) -----               | 38 31 50.5 | 90 20 41.2 | ..... |
| Center of Musick Road about 3,006 ft. S. of<br>Gravois Road -----  | 38 32 14.8 | 90 21 06.5 | 3,178 |
| Junction of Gravois and Musick Roads -----   | 38 32 44.5 | 90 21 06.3 | 3,006 |
| Center of Gravois Road about 1,180 ft. SW. of<br>brick dwelling of J. A. Mechner (previously<br>described) ----- | 38 32 38.4 | 90 21 24.8 | 1,593 |

62. FROM JUNCTION OF U.S. HIGHWAY 61 AND STATE HIGHWAY 77 EAST TO JEFFERSON  
BARRACKS, THENCE NORTH TO JUNCTION OF U.S. HIGHWAY 61 AND TELEGRAPH  
ROAD (not shown on diagram; by W. R. Broadus in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Junction of U.S. Highway 61 and State Highway 77<br>(previously described) -----                   | 38 30 21.2 | 90 19 33.0 | ..... |
| Sappington Barracks Road in front of two-story<br>brick dwelling near corner of Buckley Road ----- | 38 30 05.5 | 90 18 37.4 | 4,695 |
| Intersection of Telegraph and Sappington Barracks<br>Roads -----                                   | 38 30 08.4 | 90 17 51.7 | 3,646 |
| Intersection of tangents of Sheridan and<br>Leavenworth Roads -----                                | 38 30 06.6 | 90 17 16.6 | 2,799 |

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

|   |            |            |         |
|---|------------|------------|---------|
| Center of Kearney Avenue, 214 ft. N. 62° 27' W.<br>of W. main track of Missouri Pacific R.R. at<br>Kearney Avenue ----- | 38 30 06.9 | 90 16 35.6 | (1,676) |
| Intersection of Smith and Grant Avenues -----   | 38 30 17.1 | 90 16 38.6 | 1,058   |
| Intersection of Hancock and Grant Avenues -----   | 38 30 20.7 | 90 16 37.0 | 380     |
| Grant Avenue at point about 808 ft. S. of<br>intersection of drive to N. camp -----                                     | 38 31 00.8 | 90 16 34.2 | 4,068   |
| Intersection of Broadway and Florence Avenue -----  | 38 31 38.7 | 90 16 37.5 | 3,840   |
| Center of Hoffmeister Avenue, 25 ft. E. of center<br>of Edgar Avenue -----  | 38 32 02.0 | 90 16 32.7 | 2,387   |
| Junction of U.S. Highway 61 and Telegraph Road<br>(previously described) -----  | 38 32 00.3 | 90 17 13.1 | 3,216   |

63. FROM INTERSECTION OF TELEGRAPH AND SAPPINGTON BARRACKS ROADS NORTH TO  
JUNCTION OF U.S. HIGHWAY 61 (not shown on diagram; by W. R. Broadus  
in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Intersection of Telegraph and Sappington<br>Barracks Roads (previously described) -----          | 38 30 08.4 | 90 17 51.7 | ..... |
| Junction of Telegraph Road and rd. to Jefferson<br>Barracks -----                                | 38 30 38.6 | 90 17 30.7 | 3,481 |
| Intersection of tangents of Telegraph Road<br>opposite mail box of P. A. Benton -----            | 38 30 50.7 | 90 17 27.2 | 1,259 |
| Intersection of tangents of Telegraph Road,<br>662 ft. SW. of intersection of Moray Avenue ----- | 38 31 30.0 | 90 17 07.8 | 4,258 |
| Junction of U.S. Highway 61 and Telegraph Road<br>(previously described) -----                   | 38 32 00.3 | 90 17 13.1 | 3,098 |

64. FROM INTERSECTION OF SHERIDAN AND LEAVENWORTH ROADS NORTH TO JUNCTION OF  
TELEGRAPH ROAD AND ROAD TO JEFFERSON BARRACKS (not shown on diagram;  
by W. R. Broadus in 1933)

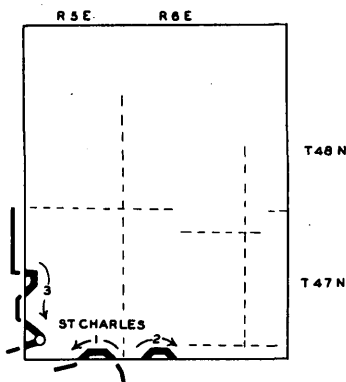
|   |            |            |       |
|---|------------|------------|-------|
| Intersection of tangents of Sheridan and<br>Leavenworth Roads (previously described) -----    | 38 30 06.6 | 90 17 16.6 | ..... |
| Intersection of tangents of Sheridan Road and<br>Kearney Avenue -----                         | 38 30 16.8 | 90 17 06.5 | 1,307 |
| Intersection of Sherman and Kearney Avenues -----   | 38 30 19.4 | 90 17 08.9 | 332   |
| Nail in hub, 5 ft. W. of N. corner post of W.<br>gate at entrance to Jefferson Barracks ----- | 38 30 33.3 | 90 17 21.6 | 1,727 |
| Junction of Telegraph Road and rd to Jefferson<br>Barracks (previously described) -----       | 38 30 38.6 | 90 17 30.7 | 898   |



| Station   | Latitude   | Longitude  | Distance |
|---|------------|------------|----------|
|   | ° ' "      | ° ' "      | Feet     |
| 65. FROM MISSOURI PACIFIC RAILROAD AT KEARNEY AVENUE NORTH TO INTERSECTION OF SMITH AND GRANT AVENUES (not shown on diagram; by W. R. Broadus in 1933)                        |            |            |          |
| Center of Kearney Avenue, 214 ft. N. 62° 27' W. of W. main track of Missouri Pacific R.R. at Kearney Avenue (previously described) -----                                      | 38 30 06.9 | 90 16 35.6 | .....    |
| Intersection of Kearney Avenue and entrance to National Cemetery -----  | 38 30 10.8 | 90 16 46.4 | 940      |
| Intersection of Sedgwick and Sherman Avenues -----  | 38 30 14.2 | 90 16 49.3 | 416      |
| Intersection of Smith and Grant Avenues (previously described) -----  | 38 30 17.1 | 90 16 38.6 | 905      |
| 66. FROM INTERSECTION OF BROADWAY AND FLORENCE AVENUE NORTH TO JUNCTION OF U.S. HIGHWAY 61 AND TELEGRAPH ROAD (not shown on diagram; by W. R. Broadus in 1933)                |            |            |          |
| Intersection of Broadway and Florence Avenue (previously described) -----   | 38 31 38.7 | 90 16 37.5 | .....    |
| Intersection of Florence Avenue and Telegraph Road -----  | 38 31 39.4 | 90 17 07.4 | 2,381    |
| Junction of U.S. Highway 61 and Telegraph Road (previously described) -----   | 38 32 00.3 | 90 17 13.1 | 2,161    |
| 67. FROM MISSOURI PACIFIC RAILROAD AT KEARNEY AVENUE NORTH TO JUNCTION OF ALABAMA AND DAVIS STREETS (not shown on diagram; by W. R. Broadus in 1933)                          |            |            |          |
| Center of Kearney Avenue, 214 ft. N. 62° 27' W. of W. main track of Missouri Pacific R.R. at Kearney Avenue (previously described) -----                                      | 38 30 06.9 | 90 16 35.6 | .....    |
| Center of Missouri Pacific Railroad at point of curvature -----   | 38 30 50.7 | 90 16 14.7 | 4,730    |
| Missouri Pacific Railroad at Mary Avenue -----  | 38 31 35.3 | 90 16 10.9 | 4,519    |
| Center of Missouri Pacific Railroad at point of curvature -----   | 38 31 38.2 | 90 16 10.4 | 300      |
| River des Peres, nail in tie at S. end of Missouri Pacific R.R. bridge over -----   | 38 32 02.9 | 90 15 47.6 | 3,084    |
| Junction of Alabama and Davis Streets (previously described) -----  | 38 32 48.8 | 90 16 06.5 | 4,883    |
| 68. FROM MISSOURI PACIFIC RAILROAD AT MARY AVENUE WEST TO INTERSECTION OF BROADWAY AND FLORENCE AVENUE (not shown on diagram; by W. R. Broadus in 1933)                       |            |            |          |
| Missouri Pacific R.R. at Mary Avenue (previously described) -----   | 38 31 35.3 | 90 16 10.9 | .....    |
| Broadway at East Mary Avenue -----  | 38 31 35.5 | 90 16 37.6 | 2,122    |
| Intersection of Broadway and Florence Avenue (previously described) -----   | 38 31 38.7 | 90 16 37.5 | 323      |
| 69. FROM INTERSECTION OF SHERMAN AND KEARNEY AVENUES NORTH TO INTERSECTION OF BROADWAY AND FLORENCE AVENUE (not shown on diagram; by W. R. Broadus in 1933)                   |            |            |          |
| Intersection of Sherman and Kearney Avenues (previously described) -----  | 38 30 19.4 | 90 17 08.9 | .....    |
| Center of new rd. about 1,716 ft. SW. of Broadway near N. entrance gate to barracks ----  | 38 30 59.6 | 90 16 47.5 | 4,408    |
| Intersection of Broadway and Florence Avenue (previously described) -----   | 38 31 38.7 | 90 16 37.5 | 4,029    |
| 70. FROM JUNCTION OF TELEGRAPH ROAD AND ROAD TO JEFFERSON BARRACKS NORTHEAST TO INTERSECTION OF BROADWAY AND FLORENCE AVENUE (not shown on diagram; by W. R. Broadus in 1933) |            |            |          |
| Junction of Telegraph Road and rd. to Jefferson Barracks (previously described) -----   | 38 30 38.6 | 90 17 30.7 | .....    |
| Center of new rd. about 227 ft. NE. of concrete culvert -----   | 38 31 11.2 | 90 16 48.1 | 4,731    |
| Intersection of Broadway and Florence Avenue (previously described) -----   | 38 31 38.7 | 90 16 37.5 | 2,903    |
| Magnetic declination in 1933, 5° E.   |            |            |          |

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

St. Charles and St. Louis Counties



1. FROM WEST ST. LOUIS QUADRANGLE NORTHWEST ALONG U.S. HIGHWAYS 40 AND 61 TO JUNCTION OF CREVE COEUR LAKE ROAD, THENCE SOUTHWEST ALONG CREVE COEUR LAKE ROAD INTO WEST ST. LOUIS QUADRANGLE (by D. W. Weber in 1931) \*\*

(Continued from West St. Louis quadrangle; see line 4.)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Pattonville, 1.4 mi. NW. of, 26 ft. NE. of<br>U.S. Highways 40 and 61 at McKelvey Road SE.,<br>in concrete post; standard tablet stamped<br>"31 M 1931" ----- | 38 45 04.10 | 90 25 33.79 | (7,492)  |
| Junction of Creve Coeur Lake Road -----   | 38 45 04.2  | 90 25 33.9  | 23       |

(Continued in West St. Louis quadrangle; see line 4.)

2. FROM WEST ST. LOUIS QUADRANGLE NORTHEAST ALONG STATE HIGHWAY 77 TO LAMBERT ST. LOUIS AIRPORT, THENCE SOUTHEAST INTO WEST ST. LOUIS QUADRANGLE (by W. R. Broadus in 1933)

(Continued from West St. Louis quadrangle; see line 16.)

|   |            |            |         |
|---|------------|------------|---------|
| Intersection of Natural Bridge Road (on top of<br>bridge) ----- | 38 45 11.1 | 90 23 18.5 | (4,330) |
|---|------------|------------|---------|

(Continued in West St. Louis quadrangle; see line 16.)

3. FROM BRUSSELS QUADRANGLE AT SEC. 19, T. 47 N., R. 5 E., SOUTHEAST ALONG ROADS TO ST. CHARLES, THENCE SOUTHWEST ALONG STATE HIGHWAY 94 INTO BRUSSELS QUADRANGLE (by C. D. Craig in 1936)

(Continued from Brussels quadrangle; see line 4.)

|   |             |             |         |
|---|-------------|-------------|---------|
| St. Charles, 2 mi. N. of, in yard of Elm Branch<br>School, 70 ft. S. and 30 ft. E. from rd.<br>forks, 10 ft. S. of concrete fence post, in<br>concrete post; standard tablet stamped "T T<br>73 C 1936" ----- | 38 49 08.75 | 90 29 53.14 | (3,435) |
| St. Charles, Elm Street at city limits -----  | 38 47 26.1  | 90 29 44.7  | (3,798) |
| St. Charles, 36 ft. N. and 7 ft. W. from<br>intersection of Kingshighway and Elm Street,<br>1 ft. E. of curb, in concrete post; standard<br>tablet stamped "T T 74 C 1936" -----                              | 38 47 14.22 | 90 29 34.70 | 1,439   |

(Continued in Brussels quadrangle; see line 4.)

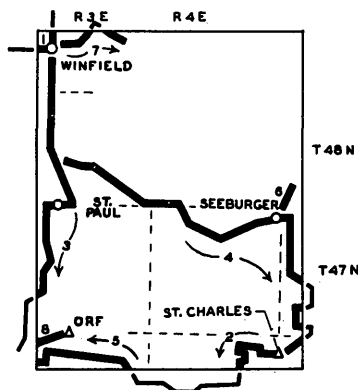
Magnetic declination in 1927, 5° E.

\*Part of this quadrangle lies in Illinois.

\*\*Results not of third-order accuracy.

BRUSSELS QUADRANGLE \*  
(Latitude  $38^{\circ}45' - 39^{\circ}00'$ ; longitude  $90^{\circ}30' - 90^{\circ}45'$ )

Lincoln and St. Charles Counties



1. FROM TROY QUADRANGLE AT SEC. 23, T. 49 N., R. 2 E., EAST TO WINFIELD, THENCE NORTH ALONG CHICAGO, BURLINGTON & QUINCY RAILROAD INTO HARDIN QUADRANGLE (by C. R. Fisher in 1928)  
(Continued from Troy quadrangle; see line 1.)

| Station   | Latitude               | Longitude              | Distance        |
|---|------------------------|------------------------|-----------------|
| Winfield, R.R. at sta. -----  | $38^{\circ}59'47.1''$  | $90^{\circ}44'16.5''$  | Feet<br>(7,556) |
| Winfield, about 300 ft. N. of Chicago, Burlington & Quincy R.R. sta., 20 ft. N. and 50 ft. W. from rd. crossing, in concrete post; standard tablet stamped "T T Sta No 21 F 1928" ----- | $38^{\circ}59'49.99''$ | $90^{\circ}44'17.48''$ | 306             |

(Continued in Hardin quadrangle; see line 1.)

2. FROM POINT ABOUT 2 MILES SOUTHWEST OF ST. CHARLES SOUTHWEST INTO MANCHESTER QUADRANGLE AT SEC. 10, T. 46 N., R. 4 E. (by D. W. Weber in 1931)

|  |                        |                        |       |
|--|------------------------|------------------------|-------|
| St. Charles triangulation sta.; M.R.C.** iron post-Rd. at fence S. -----   | $38^{\circ}45'39.68''$ | $90^{\circ}31'13.24''$ | ..... |
| Crossroads -----   | $38^{\circ}45'43.4''$  | $90^{\circ}31'50.8''$  | 3,005 |
| Harvester, 1.7 mi. NE. of, along State Highway 94, in SE 1/4 sec. 10, T. 46 N., R. 4 E., 40 ft. S. and 50 ft. E. from junction of rd. SE., in concrete post; standard tablet stamped "27 M 1931" ----- | $38^{\circ}45'12.27''$ | $90^{\circ}33'10.27''$ | 4,514 |
| State Highway 94 at right-of-way marker -----  | $38^{\circ}45'05.7''$  | $90^{\circ}33'46.9''$  | 2,980 |

(Continued in Manchester quadrangle; see line 8.)

3. FROM WINFIELD SOUTH ALONG STATE HIGHWAY 79 TO SEC. 31, T. 48 N., R. 3 E., THENCE SOUTH ALONG ROADS INTO TROY QUADRANGLE AT SEC. 13, T. 47 N., R. 2 E. (by C. D. Craig in 1935-36)

|  |                        |                        |       |
|--|------------------------|------------------------|-------|
| T T Sta No 21 F 1928 (previously described) -----  | $38^{\circ}59'49.99''$ | $90^{\circ}44'17.48''$ | ..... |
| Chicago, Burlington & Quincy R.R. at private rd. crossing -----  | $38^{\circ}59'29.5''$  | $90^{\circ}44'15.4''$  | 2,076 |
| Junction of rd. E. -----   | $38^{\circ}59'14.2''$  | $90^{\circ}44'17.3''$  | 1,565 |
| Junction of rd. W. -----   | $38^{\circ}58'30.9''$  | $90^{\circ}44'25.3''$  | 4,420 |
| Junction of rd. W. -----   | $38^{\circ}57'54.1''$  | $90^{\circ}44'32.0''$  | 3,759 |
| Winfield, 2.8 mi. S. of, along State Highway 79, 16 ft. S. and 34 ft. E. from crossroad, 45 ft. W. of Chicago, Burlington & Quincy R.R., 10 ft. S. and 14 ft. W. from R.R. crossing sign, in concrete post; standard tablet stamped "T T 7 C 1936" ----- | $38^{\circ}57'28.49''$ | $90^{\circ}44'36.27''$ | 2,616 |
| Highway at fences E. and W. -----  | $38^{\circ}56'43.9''$  | $90^{\circ}44'45.0''$  | 4,561 |
| Junction of rd. E. at fence W. -----   | $38^{\circ}56'26.3''$  | $90^{\circ}44'48.2''$  | 1,799 |
| Old Monroe, junction of street W. at Chicago, Burlington & Quincy R.R. sta. -----  | $38^{\circ}55'51.6''$  | $90^{\circ}44'46.8''$  | 3,517 |
| Highway at fence SW. -----   | $38^{\circ}55'22.5''$  | $90^{\circ}44'42.0''$  | 2,970 |

\*Part of this quadrangle lies in Illinois.

\*\*Missouri River Commission.

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | " ' "       | " ' "       | Feet     |
| Old Monroe, 1.5 mi. S. of, along State Highway 79, 33 ft. S. and 31 ft. W. from junction of rd. W., 2 ft. E. of fence post, in concrete post; standard tablet stamped "T T 8 C 1936" -----  | 38 54 37.28 | 90 44 34.23 | 4,612    |
| Highway at fence SW. -----  | 38 54 15.9  | 90 44 23.6  | 2,320    |
| Highway at fences E. and W. -----   | 38 53 28.2  | 90 43 59.3  | 2,199    |
| Junction of rd. E. to Dulbow -----  | 38 53 09.1  | 90 43 49.2  | 2,089    |
| Junction of rd. SW. to St. Paul -----   | 38 52 43.6  | 90 43 33.9  | 2,847    |
| T-rd. N. -----  | 38 52 35.3  | 90 44 12.5  | 3,168    |
| St. Paul, 1 mi. N. of, near center sec. 36, T. 48 N., R. 2 E., 44 ft. S. and 35 ft. W. from T-rd. S., 23 ft. S. and 2 ft. E. from fence corner, 3 ft. S. of telephone pole, in concrete post; standard tablet stamped "T T 58 C 1936" ----- | 38 52 35.03 | 90 44 24.89 | 977      |
| T-rd. N., 400 ft. E. of rd. corner from E.-S. ---   | 38 52 08.7  | 90 44 24.9  | 2,667    |
| St. Paul, T-rd. N. at bank building -----   | 38 51 41.6  | 90 44 31.1  | 2,781    |
| St. Paul, spire of Catholic Church -----  | 38 51 41.1  | 90 44 35.9  | 381      |
| T-rd. E. -----  | 38 51 15.4  | 90 44 33.4  | 2,600    |
| St. Paul, 1.5 mi. S. of, S. sixteenth cor. sec. 12, T. 47 N., R. 2 E., 20 ft. S. and 236 ft. E. from crossroads, 2 ft. N. and 8 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 1755 E R A 1935" -                 | 38 50 30.34 | 90 44 32.74 | 4,564    |
| Rd. at fence W. -----   | 38 50 13.8  | 90 44 37.1  | 1,709    |
| T-rd. W. -----  | 38 49 42.4  | 90 44 56.6  | 3,535    |

(Continued in Troy quadrangle; see line 5.)

4. FROM POINT 1.5 MILES SOUTH OF OLD MONROE SOUTHEAST ALONG CHICAGO, BURLINGTON & QUINCY RAILROAD TO SEC. 1, T. 47 N., R. 4 E., THENCE SOUTH ALONG ROADS TO POINT ABOUT 2 MILES SOUTHWEST OF ST. CHARLES (by C. D. Craig in 1935-36)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 8 C 1936 (previously described) -----   | 38 54 37.28 | 90 44 34.23 | ..... |
| R.R. at private rd. crossing -----  | 38 54 33.0  | 90 43 50.4  | 3,488 |
| R.R. at semaphore N-489 -----   | 38 54 14.6  | 90 42 59.4  | 4,442 |
| Firma, 1.5 mi. NW. of, along Chicago, Burlington & Quincy R.R., in SW 1/4 sec. 20, T. 48 N., R. 3 E., 55 ft. N. and 30 ft. W. from rd. crossing, 1 ft. S. of concrete post at fence corner, in concrete post; standard tablet stamped "T T 68 C 1936" -----                         | 38 54 04.90 | 90 42 31.45 | 2,418 |
| T. 48 N., R. 3 E., cor. secs. 20, 21, 28, and 29, iron pin in fence corner, 193 ft. S. of rd. corner from W.-N. -----   | 38 53 56.0  | 90 41 41.5  | 4,051 |
| R.R. at fences N. and S. -----  | 38 53 33.8  | 90 41 06.6  | 3,556 |
| Firma, R.R. at rd. crossing -----   | 38 53 21.2  | 90 40 31.9  | 3,025 |
| T. 48 N., R. 3 E., cor. secs. 27, 28, 33, and 34, rd. corner from N.-E. -----   | 38 53 03.3  | 90 40 32.0  | 1,812 |
| R.R. at rd. crossing -----  | 38 53 08.8  | 90 39 57.5  | 2,781 |
| Peruque, 2 mi. NW. of, along Chicago, Burlington & Quincy R.R., 0.1 mi. S. of cor. secs. 26, 27, 34, and 35, T. 48 N., R. 3 E., 40 ft. N. and 26 ft. E. from rd. crossing, 2 ft. N. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 69 C 1936" ----- | 38 52 57.54 | 90 39 24.93 | 2,817 |
| R.R. at semaphore S-448 -----   | 38 52 45.3  | 90 38 52.4  | 2,855 |
| R.R. at dike N. and fence S. -----  | 38 52 19.1  | 90 37 40.0  | 6,313 |
| R.R. at rd. crossing, 45 ft. S. of rd. at fences E. and W. at cor. Tps. 47 and 48 N., Rs. 3 and 4 E. -----  | 38 52 06.5  | 90 37 05.1  | 3,038 |
| Peruque triangulation sta.; M.R.C. iron pipe stamped "U S" * -----  | 38 52 22.73 | 90 37 07.72 | 1,657 |
| R.R. at rd. crossing -----  | 38 51 57.2  | 90 36 59.4  | 3,419 |
| R.R. at rd. crossing -----  | 38 51 45.1  | 90 36 05.8  | 2,931 |
| Peruque, 0.8 mi. E. of, along Chicago, Burlington & Quincy R.R., quarter cor. between secs. 5 and 6, T. 47 N., R. 4 E., about 440 ft. S. of rd. crossing, 6 ft. N. and 30 ft. E. from T-rd. W., in concrete post; standard tablet stamped "T T 70 C 1936" -----                     | 38 51 40.71 | 90 36 05.54 | 440   |
| R.R. at fences N. and S., 148 ft. S. of stone at W. sixteenth cor. sec. 5, T. 47 N., R. 4 E. ---  | 38 51 39.0  | 90 35 49.0  | 1,320 |
| R.R. at rd. crossing -----  | 38 51 14.4  | 90 34 40.6  | 5,952 |
| T. 47 N., R. 4 E., cor. secs. 3, 4, 9, and 10, 28 ft. S. and 25 ft. E. from T-rd. S., about 350 ft. SE. of old grain elevator on Chicago, Burlington & Quincy R.R., 4 ft. N. of telegraph pole, in concrete post; standard tablet stamped "T T 71 C 1936" -----                     | 38 51 10.79 | 90 33 50.60 | 3,972 |
| R.R. at fences N. and S. -----  | 38 51 21.2  | 90 33 17.0  | 2,862 |
| R.R. at rd. crossing -----  | 38 51 28.4  | 90 32 43.9  | 2,710 |
| Dardenne Creek, center of R.R. bridge over -----  | 38 51 35.0  | 90 32 13.1  | 2,530 |

\*Mississippi River Commission.

| Station  | Latitude    | Longitude   | Distance      |
|--|-------------|-------------|---------------|
| R.R. at N.-S. rd. crossing -----<br>Seeburger, on Chicago, Burlington & Quincy R.R.,<br>about 0.2 mi. S. of NE. cor. sec. 1, T. 47 N.,<br>R. 4 E., 60 ft. S. and 35 ft. W. from main<br>track at rd. crossing, 3 ft. E. of telegraph<br>pole, in concrete post; standard tablet<br>stamped "T T 72 C 1936" ----- | 38 51 40.8  | 90 31 46.4  | Feet<br>2,190 |
| T. 47 N., Rs. 4 and 5 E., cor. secs. 1, 6, 7, and<br>12, County Route B at N.-S. crossroad -----   | 38 51 55.09 | 90 30 37.75 | 5,617         |
| Rd. at fence E. -----  | 38 51 12.4  | 90 30 38.0  | 4,315         |
| T-rd. W. -----   | 38 50 45.0  | 90 30 38.6  | 2,777         |
| Center of concrete bridge -----  | 38 50 16.3  | 90 30 39.0  | 2,895         |
| Rd. at fence SW. -----   | 38 49 58.6  | 90 30 59.5  | 2,419         |
|  | 38 49 31.7  | 90 30 25.1  | 3,849         |

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

|  |            |            |         |
|--|------------|------------|---------|
| T-rd. SE. -----  | 38 49 01.1 | 90 30 46.0 | (4,255) |
| Rd. at lane SW. -----  | 38 48 17.9 | 90 30 27.3 | 4,615   |
| Rd. at northernmost one of two paved entrances to<br>County Asylum ----- | 38 47 57.7 | 90 30 10.7 | 2,432   |

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

|  |             |             |         |
|--|-------------|-------------|---------|
| St. Charles, U.S. Highway 40 at city limits of --              | 38 47 02.5  | 90 30 08.9  | (2,956) |
| State Highway 94 at fence NE. -----                            | 38 46 30.0  | 90 30 57.5  | 5,063   |
| Airway beacon -----  | 38 46 20.3  | 90 31 11.5  | 1,483   |
| State Highway 94 at rd. E. at public school -----              | 38 46 08.5  | 90 31 26.5  | 1,679   |
| St. Charles triangulation sta. (previously<br>described) ----- | 38 45 39.50 | 90 31 13.29 | 3,115   |

5. FROM MANCHESTER QUADRANGLE AT SEC. 9, T. 46 N., R. 3 E., WEST INTO TROY  
QUADRANGLE AT SEC. 1, T. 46 N., R. 2 E. (by C. D. Craig in 1935-36)  
(Continued from Manchester quadrangle; see line 12.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Rd. at fence N. -----  | 38 45 03.5  | 90 40 56.1  | (4,212) |
| T-rd. N. -----   | 38 45 13.2  | 90 41 31.2  | 2,951   |
| Rd. fork S. -----  | 38 45 19.2  | 90 41 59.7  | 2,331   |
| Cottleville, 3 mi. W. of, along Cottleville-<br>Bardenne rd., 24 ft. S. and 185 ft. E. from<br>junction of rd. NE., 24 ft. S. and 2 ft. W.<br>from rd. at hedge fence S., in concrete post;<br>standard tablet stamped "T T 79 C 1936" ----- | 38 45 23.87 | 90 42 16.38 | 1,405   |
| T-rd. S. -----   | 38 45 33.6  | 90 42 44.8  | 2,455   |
| Rd. at fence N. -----  | 38 45 45.7  | 90 43 22.7  | 3,246   |
| Rd. fork NW. -----   | 38 45 58.8  | 90 44 03.8  | 3,507   |
| T. 46 N., R. 2 E., quarter cor. between secs. 1<br>and 12, rd. at fence N. -----   | 38 45 57.1  | 90 44 48.7  | 3,563   |
| T T 60 C 1936 (In Troy quadrangle; see line 5.) -  | 38 45 57.91 | 90 45 22.43 | 2,674   |

6. FROM SEEBURGER NORTH TO SEC. 30, T. 48 N., R. 5 E. (by C. D. Craig in  
1935-36)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 72 C 1936 (previously described) -----   | 38 51 55.09 | 90 30 37.75 | ..... |
| Tps. 47 and 48 N., Rs. 4 and 5 E., cor. of,<br>T-rd. E. -----                        | 38 52 08.0  | 90 30 37.1  | 1,308 |
| Concrete culvert at sharp turn in rd. -----  | 38 52 34.5  | 90 30 36.9  | 2,684 |
| 68/4 1891 triangulation sta.; M.R.C. iron post<br>stamped "U S B M 1891 M R C" ----- | 38 53 27.14 | 90 30 02.45 | 5,980 |

7. FROM WINFIELD EAST ABOUT 3 MILES (by C. D. Craig in 1935-36)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 21 F 1928 (previously described) ----- | 38 59 49.99 | 90 44 17.48 | ..... |
| T-rd. N. -----                             | 38 59 57.8  | 90 43 56.2  | 1,680 |
| Rd. at fences N. and S. -----              | 38 59 50.5  | 90 43 31.0  | 1,994 |
| Rd. fork S. -----                          | 38 59 52.6  | 90 42 57.5  | 2,653 |

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

|  |             |             |       |
|--|-------------|-------------|-------|
| 73/3 1891 triangulation sta.; M.R.C. iron post<br>stamped "U S B M 1891 M R C" ----- | 38 59 54.97 | 90 41 30.38 | 1,626 |
|--|-------------|-------------|-------|

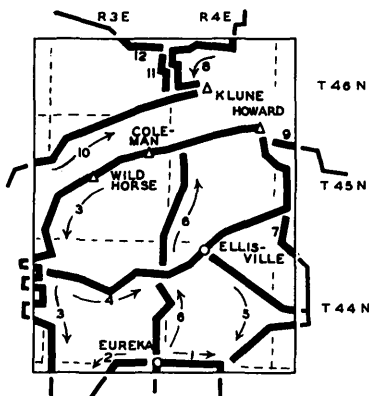
8. FROM TROY QUADRANGLE AT SEC. 1, T. 46 N., R. 2 E., NORTHEAST ABOUT ONE  
MILE (by C. D. Craig in 1935-36)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 60 C 1936 (In Troy quadrangle; see line 5.) -<br>Orf triangulation sta.; U S C & G S standard<br>disk stamped "Orf 1931" ----- | 38 45 57.91 | 90 45 22.43 | ..... |
|  | 38 46 29.53 | 90 44 42.31 | 4,509 |

Magnetic declination 5° 09' E.

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

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



1. FROM PACIFIC QUADRANGLE AT EUREKA EAST AND SOUTH INTO PACIFIC QUADRANGLE  
AT SEC. 3, T. 43 N., R. 4 E. (by J. M. Lawson in 1930)  
(Continued from Pacific quadrangle; see line 11.)

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Eureka, 231 ft. S. 47° W. of W. gable of Missouri Pacific R.R. sta., 201 ft. N. 74° W. of W. gable of St. Louis-San Francisco Ry. sta., 3/4 ft. N. and 61 ft. W. from St. Louis-San Francisco Ry. at rd. crossing, on S. side of rd. between two R.Rs. in line with telegraph poles, in concrete post; standard tablet stamped "T T 54 L 1930" ----- | 38 30 09.75 | 90 37 41.06 | (3,660)  |
| Famous, rd. crossing between double tracks of St. Louis-San Francisco Ry. -----  | 38 30 14.6  | 90 36 50.3  | 4,063    |
| Meramec River, center of U.S. Highway 66 bridge over -----   | 38 30 18.1  | 90 35 28.9  | 6,485    |
| Eureka, 3.8 mi. E. of, along U.S. Highway 66, 218 ft. S. 21° 30' W. of highway at rd. SW., 17 ft. W. of rd., 20 ft. SW. of blazed 40-in. oak tree, inside fence, in concrete post; standard tablet stamped "T T 55 L 1930" -----   | 38 30 25.32 | 90 33 33.48 | 9,207    |
| Triangular-blazed 24-in. maple tree in triangle at rd. forks -----   | 38 30 14.9  | 90 33 41.5  | 1,231    |

(Continued in Pacific quadrangle; see line 12.)

2. FROM EUREKA WEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY INTO PACIFIC  
QUADRANGLE (by J. M. Lawson in 1930)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 54 L 1930 (previously described) -----               | 38 30 09.75 | 90 37 41.06 | ..... |
| S. track at rd. crossing -----                           | 38 30 10.2  | 90 38 22.2  | 3,271 |
| S. track at main rd. crossing -----                      | 38 30 11.6  | 90 39 19.9  | 4,593 |
| S. track at rd. crossing -----                           | 38 30 12.5  | 90 40 02.5  | 3,384 |
| Allenton, S. track at rd. crossing just W. of sta. ----- | 38 30 13.3  | 90 40 34.3  | 2,535 |

(Continued in Pacific quadrangle; see line 13.)

3. FROM ST. LOUIS CITY WATERWORKS WEST ALONG CHICAGO, ROCK ISLAND & PACIFIC  
RAILWAY TO SEC. 11, T. 44 N., R. 2 E., THENCE SOUTH ALONG ROADS INTO  
PACIFIC QUADRANGLE AT SEC. 1, T. 43 N., R. 2 E. (by W. C. Elledge in 1930)

|   |             |             |       |
|---|-------------|-------------|-------|
| Howard triangulation sta.; M.R.C. iron post * ---                 | 38 40 33.96 | 90 31 54.94 | ..... |
| Concrete post about 600 ft. E. of St. Louis City waterworks ----- | 38 40 57.1  | 90 32 28.6  | 3,552 |
| R.R. at rd. crossing -----  | 38 40 22.7  | 90 32 48.2  | 3,812 |
| R.R. at rd. crossing -----  | 38 40 13.4  | 90 33 16.0  | 2,399 |
| R.R. at rd. crossing -----  | 38 40 07.5  | 90 33 35.9  | 1,664 |
| Chesterfield, switch point at E. end of sidetrack -----           | 38 39 57.3  | 90 34 10.5  | 2,930 |

\*Missouri River Commission.

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Chesterfield, 70 ft. W. of Chicago, Rock Island & Pacific Ry. crossing signal, in concrete post; standard tablet stamped "T T 1 E 1930" ---                                     | 38 39 53.31 | 90 34 46.80 | 2,909    |
| Center of trestle 276 -----   | 38 39 48.5  | 90 35 39.0  | 4,165    |
| R.R. at rd. crossing -----  | 38 39 41.7  | 90 36 31.4  | 4,219    |
| R.R. at rd. crossing -----  | 38 39 37.5  | 90 37 03.9  | 2,609    |
| N. point of triangle at rd. forks -----   | 38 39 31.8  | 90 37 05.8  | 592      |
| Center of concrete culvert -----  | 38 39 27.2  | 90 37 57.5  | 4,132    |
| Rd. forks -----   | 38 39 07.6  | 90 38 28.0  | 3,132    |
| Coleman triangulation sta.; U.S.C. & G.S. standard disk stamped "Coleman" -----   | 38 38 55.56 | 90 38 39.77 | 1,958    |
| Junction of private drive NW. -----   | 38 38 50.3  | 90 39 19.8  | 3,215    |
| T-rd. SE. -----   | 38 38 38.9  | 90 39 51.2  | 2,751    |
| T-rd. N. -----  | 38 38 35.6  | 90 40 16.9  | 2,062    |
| Monarch, R.R. at rd. crossing -----   | 38 38 57.8  | 90 40 16.0  | 2,250    |
| R.R. at rd. crossing -----  | 38 38 55.3  | 90 40 54.9  | 3,114    |
| Wild Horse triangulation sta.; U.S.C. & G.S. standard disk stamped "Wild Horse" -----   | 38 38 39.85 | 90 41 34.08 | 3,395    |
| Centaur Station, R.R. at rd. crossing -----   | 38 38 42.6  | 90 41 58.0  | 1,816    |
| Wild Horse Creek, center of bridge over -----   | 38 38 40.0  | 90 42 08.2  | 852      |
| R.R. at rd. crossing -----  | 38 38 25.2  | 90 43 11.9  | 5,266    |
| R.R. at fence S. on line between Franklin and St. Louis Counties -----  | 38 38 07.1  | 90 44 03.0  | 4,455    |
| Iron pipe stamped "U S" -----   | 38 37 59.81 | 90 44 12.07 | 1,027    |
| Port Royal, 9 ft. SW. of SW. corner of Chicago, Rock Island & Pacific Ry. sta. and in line with W. side of sta., in concrete post; standard tablet stamped "T T 2 E 1930" ----- | 38 37 47.55 | 90 44 23.65 | 1,544    |
| Center of trestle 366 -----   | 38 37 26.2  | 90 44 44.6  | 2,722    |
| R.R. at milepost 37 -----   | 38 37 01.2  | 90 44 57.8  | 2,745    |
| Junction of dim rd. -----   | 38 36 19.7  | 90 44 56.3  | 4,196    |
| Rd. forks -----   | 38 36 08.4  | 90 44 37.2  | 1,892    |
| Junction of rd. to field -----  | 38 35 57.5  | 90 44 20.5  | 1,729    |
| Rd. forks -----   | 38 35 48.8  | 90 44 10.3  | 1,193    |
| T-rd. W. -----  | 38 35 26.9  | 90 44 39.4  | 3,203    |

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

|                |            |            |         |
|----------------|------------|------------|---------|
| T-rd. N. ----- | 38 34 43.9 | 90 44 55.2 | (1,665) |
|----------------|------------|------------|---------|

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

|   |            |            |         |
|---|------------|------------|---------|
| Crossroads -----  | 38 33 45.3 | 90 44 37.0 | (3,790) |
| Rd. fork NW. and fence E. -----   | 38 33 19.1 | 90 44 24.5 | 2,837   |
| Rd. forks -----   | 38 32 57.8 | 90 44 15.2 | 2,273   |
| T. 44 N., R. 2 E., quarter cor. between secs. 13 and 44, cross fences ----- | 38 32 58.4 | 90 44 54.0 | 3,091   |

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

|   |             |             |         |
|---|-------------|-------------|---------|
| T-rd. N. -----  | 38 32 03.7  | 90 44 35.0  | (3,662) |
| Oakfield, in N 1/2 sec. 25, T. 44 N., R. 2 E., 300 ft. SW. of T-rd. N., 2 ft. E. and in line with top step at entrance to Zion Evangelical Church, in concrete post; standard tablet stamped "T T 7 E 1930" ----- | 38 32 02.48 | 90 44 38.42 | 297     |
| U.S. Highway 66 at junction of rd. S. to Pacific -----  | 38 31 58.9  | 90 44 51.5  | 1,099   |
| Center of concrete bridge -----   | 38 31 12.4  | 90 44 42.8  | 4,759   |
| Center of concrete bridge -----   | 38 30 54.6  | 90 44 41.5  | 1,803   |
| Rd. forks -----   | 38 30 40.2  | 90 44 42.3  | 1,450   |
| Rd. forks -----   | 38 30 03.0  | 90 44 48.3  | 3,794   |

(Continued in Pacific quadrangle; see line 44.)

4. FROM SEC. 1, T. 44 N., R. 2 E., EAST AND NORTH TO ST. LOUIS CITY WATERWORKS  
(by W. C. Ellledge in 1930)

|   |             |             |       |
|---|-------------|-------------|-------|
| T-rd. N. (previously described) -----   | 38 34 43.9  | 90 44 55.2  | ..... |
| Intersection of drainage ditches -----  | 38 34 35.3  | 90 44 18.4  | 3,052 |
| Center of concrete bridge -----   | 38 34 34.1  | 90 43 56.7  | 1,726 |
| Junction of dim rd. W. -----  | 38 34 21.6  | 90 43 42.4  | 1,697 |
| Rd. fork SW. -----  | 38 34 22.2  | 90 43 20.4  | 1,747 |
| Melrose, in NE 1/4 sec. 7, T. 44 N., R. 3 E., on N. side of rd. and N. of store of O. J. Kreinkamp, 12 ft. N. and 7 ft. W. from fence corner, in SE. corner of Kreinkamp's land, in concrete post; standard tablet stamped "T T 3 E 1930" ----- | 38 34 20.04 | 90 43 13.41 | 593   |
| Rd. fork W. -----   | 38 34 11.7  | 90 42 21.9  | 4,176 |
| Rd. in line with fences E. and W. on line between secs. 8 and 17, T. 44 N., R. 3 E. -----   | 38 33 59.2  | 90 42 06.6  | 1,752 |
| U.S. Highway 66 at junction of rd. to St. Albans -----  | 38 33 39.8  | 90 41 28.2  | 3,629 |
| Rd. in line with fence N. on line between secs. 9 and 16, T. 44 N., R. 3 E. -----   | 38 33 45.1  | 90 41 25.7  | 564   |
| Junction of private rd. E. -----  | 38 34 06.2  | 90 41 24.5  | 2,143 |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Rd. in line with fences E. and W. -----   | 38 34 20.7  | 90 41 12.7  | 1,739    |
| U.S. Highway 66 at junction of rd. to Wild Horse<br>Creek -----   | 38 34 50.5  | 90 40 56.8  | 3,263    |
| Pond, 1.3 mi. W. of, along U.S. Highway 50, at<br>quarter cor. between secs. 3 and 4, T. 44 N.,<br>R. 3 E., 40 ft. S. and 40 ft. W. from highway<br>at Glencoe rd. S., 3 ft. SW. of telephone<br>pole, in concrete post; standard tablet<br>stamped "T 4 E 1930" -----            | 38 34 58.35 | 90 40 44.83 | 1,240    |
| T-rd. N. -----  | 38 34 59.1  | 90 40 25.5  | 1,537    |
| Crossroads -----  | 38 34 57.2  | 90 39 52.6  | 2,619    |
| Pond, crossroads at -----   | 38 34 49.9  | 90 39 19.6  | 2,717    |
| T-rd. S. -----  | 38 34 34.0  | 90 38 22.0  | 4,848    |
| Grover, 31 ft. S. and 18 ft. W. from U.S.<br>Highway 50 (Manchester Road) at rd. N., in<br>NW. corner of property of L. J. Funk, in<br>concrete post; standard tablet stamped "T T<br>5 E 130" -----  | 38 34 33.59 | 90 38 13.47 | 682      |
| Crossroads -----  | 38 34 42.2  | 90 37 34.6  | 3,203    |
| T-rd. S. -----  | 38 34 58.8  | 90 36 58.8  | 3,309    |
| Caulks Creek, center of bridge over -----   | 38 35 12.3  | 90 36 34.0  | 2,392    |
| T-rd. S. -----  | 38 35 12.4  | 90 36 12.1  | 1,742    |
| T-rd. N. -----  | 38 35 18.1  | 90 36 00.0  | 1,119    |
| Ellisville, 0.5 mi. W. of, 70 ft. N. and 10 ft.<br>W. from U.S. Highway 50 (Manchester Road) at<br>N.-S. crossroad (Old State Road S.), 2 ft.<br>from SW. corner of Old State Road Inn owned by<br>John Valais, in concrete post; standard<br>tablet stamped "T T 6 E 1930" ----- | 38 35 26.69 | 90 35 42.47 | 1,641    |
| T-rd. S., 20 ft. W. of T-rd. N. -----   | 38 35 33.4  | 90 35 09.1  | 2,731    |
| T. 45 N., R. 4 E., cor. secs. 28, 29, 32, and 33,<br>crossroads -----   | 38 36 17.4  | 90 35 08.0  | 4,461    |
| T-rd. N. -----  | 38 36 17.3  | 90 34 43.1  | 1,975    |
| Rd. fork W. -----   | 38 36 25.7  | 90 34 20.6  | 1,980    |
| Crossroads -----  | 38 36 30.1  | 90 33 58.4  | 1,816    |
| Kessler triangulation sta.; U.S.C. & G.S.<br>standard disk stamped "Kessler" -----  | 38 36 33.93 | 90 34 05.95 | 716      |
| Junction of private rd. N. -----  | 38 36 37.5  | 90 33 27.2  | 3,093    |
| Junction of private rd. N. -----  | 38 36 43.0  | 90 33 09.3  | 1,531    |
| Loehr, crossroads at -----  | 38 36 54.2  | 90 32 23.2  | 3,829    |
| T-rd. NW. -----   | 38 37 13.4  | 90 32 07.2  | 2,312    |
| T-rd. S. -----  | 38 37 16.8  | 90 31 29.2  | 3,039    |
| Manchester, 2.5 mi. N. of, 1.1 mi. NE. of Loehr,<br>along Clayton Road, 18 ft. S. and 15 ft. E.<br>from junction of Schoettler Road NW. to<br>Bellefontaine, 4 ft. SE. of fence corner, in<br>concrete post; standard tablet stamped "T T<br>8 E 1930" * -----                    | 38 37 18.74 | 90 31 23.18 | 517      |
| T-rd. S. -----  | 38 37 25.3  | 90 30 56.2  | 2,244    |
| Rd. fork N. -----   | 38 37 38.4  | 90 30 40.0  | 1,841    |
| T-rd. W. -----  | 38 38 21.6  | 90 30 43.9  | 4,382    |
| T-rd. S. -----  | 38 38 55.8  | 90 30 41.1  | 3,471    |
| Bellefontaine, about 3 mi. E. of, 3.5 mi. NE. of<br>Loehr, 18 ft. S. and 230 ft. W. from junction<br>of Conway Road and Woods Mill Road S., 27 ft.<br>W. of driveway, 2 ft. N. of picket fence, in<br>concrete post; standard tablet stamped "T T<br>9 E 1930" -----              | 38 38 55.45 | 90 30 43.94 | 227      |
| T-rd. N. -----  | 38 38 56.6  | 90 31 27.4  | 3,447    |
| T-rd. NE. -----   | 38 39 23.1  | 90 31 29.5  | 2,683    |
| T-rd. S. -----  | 38 40 04.6  | 90 32 09.6  | 5,264    |
| Rd. in line with fence E. -----   | 38 40 22.2  | 90 31 59.3  | 1,959    |
| Howard triangulation sta. (previously described) -----  | 38 40 33.96 | 90 31 54.94 | 1,238    |

5. FROM ELLISVILLE SOUTHEAST AND SOUTHWEST TO SEC. 34, T. 44 N., R. 4 E.  
(by W. C. Elledge in 1930)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 6 E 1930 (previously described) -----  | 38 35 26.69 | 90 35 42.47 | ..... |
| Tps. 44 and 45 N., R. 4 E., cor. secs. 4, 5, 32,<br>and 33, rd. at fence W. -----  | 38 35 23.8  | 90 35 10.1  | 2,587 |
| Rd. fork NE. -----   | 38 35 04.6  | 90 35 14.7  | 1,968 |
| T-rd. W. -----   | 38 34 31.1  | 90 34 59.2  | 3,606 |
| Rd. fork E. -----  | 38 34 17.0  | 90 34 48.8  | 1,647 |
| Rd. in line with fences N. and S. -----  | 38 34 15.2  | 90 34 29.3  | 1,563 |
| T-rd. S. -----   | 38 33 41.2  | 90 33 35.5  | 5,480 |
| Ellisville, 3.2 mi. SE. of, in NW. cor. sec. 15,<br>T. 44 N., R. 4 E., 18 ft. S. and 45 ft. E.<br>from Ballwin Road at rd. NW., at entrance to<br>Castlewood, 2 ft. S. of S. end of signboard,<br>in concrete post; standard tablet stamped "T T<br>10 E 1930" ----- | 38 33 36.66 | 90 33 20.79 | 1,254 |

\* Believed to have been moved 24 ft. S. and 12 ft. E. from described location.  
Position is for new location.



| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Castlewood, main rd. at junction of rd. W. -----        | 38 33 17.5  | 90 33 08.2  | 2,178    |
| T-rd. N. -----  | 38 33 12.0  | 90 32 45.7  | 1,874    |
| Rd. fork NE. -----                                      | 38 33 08.5  | 90 32 29.2  | 1,357    |
| Mountain Ridge, center of bridge over rd. at -----      | 38 32 52.7  | 90 32 12.3  | 2,092    |
| Center of N. track of Missouri Pacific R.R. at -----    |             |             |          |
| sta. -----  | 38 32 53.7  | 90 31 32.3  | 3,175    |
| Switch point on N. track of Missouri Pacific R.R. ----- | 38 32 51.6  | 90 30 59.0  | 2,657    |
| Center of N. track of Missouri Pacific R.R. under ----- |             |             |          |
| overhead semaphore -----                                | 38 32 51.2  | 90 30 35.8  | 1,847    |
| (For balance in West St. Louis quadrangle, see line 2.) |             |             |          |
| Crossroads -----  | 38 32 15.9  | 90 30 09.5  | (2,539)  |
| Crossroads -----  | 38 32 12.9  | 90 30 28.3  | 1,524    |
| Valley Park, 0.8 mi. S., thence 1.4 mi. W. from, -----  |             |             |          |
| in SE. corner of Ranken schoolyard, 12 ft. N. -----     |             |             |          |
| and 2 ft. W. from fence corner, in concrete -----       |             |             |          |
| post; standard tablet stamped "T T 11 E 1930" -----     | 38 32 01.88 | 90 31 12.96 | 3,718    |
| Concrete culvert -----                                  | 38 31 43.4  | 90 31 57.3  | 3,990    |
| Concrete culvert -----                                  | 38 31 28.2  | 90 32 40.2  | 3,742    |
| Dim crossroad -----                                     | 38 30 53.8  | 90 33 01.1  | 3,849    |
| T T 55 L 1930 (previously described) -----              | 38 30 25.32 | 90 33 33.48 | 3,868    |

## 6. FROM EUREKA NORTH TO SEC. 7, T. 45 N., R. 4 E. (by W. C. Elledge in 1930)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 54 L 1930 (previously described) -----              | 38 30 09.75 | 90 37 41.06 | ..... |
| Eureka, at N. limits of, T-rd. S. -----                 | 38 30 37.4  | 90 37 39.3  | 2,791 |
| T. 44 N., R. 3 E., cor. secs. 25, 26, 35, and 36, ----- |             |             |       |
| T-rd. N. -----  | 38 31 02.0  | 90 38 35.1  | 5,082 |
| Rd. fork S. -----                                       | 38 31 32.2  | 90 38 26.7  | 3,127 |
| Rd. fork SW. -----                                      | 38 31 44.5  | 90 38 31.9  | 1,318 |
| Junction of private drive E. -----                      | 38 32 17.7  | 90 38 10.8  | 3,752 |
| Hamilton Creek, center of bridge over -----             | 38 32 46.9  | 90 37 46.2  | 3,547 |
| Glencoe School, in SE. corner of bottom concrete -----  |             |             |       |
| step of main entrance; standard tablet stamped -----    |             |             |       |
| "T T 12 E 1930" -----                                   | 38 32 52.31 | 90 37 47.30 | 550   |
| Missouri Pacific R.R. at rd. crossing -----             | 38 32 44.2  | 90 37 55.4  | 667   |
| Missouri Pacific R.R. main track at rd. crossing -----  | 38 33 19.9  | 90 38 36.2  | 4,152 |
| Center of concrete bridge -----                         | 38 33 51.0  | 90 38 12.4  | 3,671 |
| Junction of private rd. NE. -----                       | 38 34 13.7  | 90 38 03.9  | 2,393 |
| T T 5 E 1930 (previously described) -----               | 38 34 33.59 | 90 38 13.47 | 2,145 |
| Intersection of rd. tangents S. and NW. -----           | 38 34 53.4  | 90 38 12.6  | 2,010 |
| T-rd. W. -----  | 38 35 26.5  | 90 38 25.3  | 3,489 |
| T-rd. NE. -----   | 38 35 51.7  | 90 38 27.8  | 2,558 |
| Grover, 2.1 mi. N. of, 37 ft. SW. of rd. fork -----     |             |             |       |
| NE., in top of SW. end of NW. head wall of -----        |             |             |       |
| concrete culvert; standard tablet stamped "1 M -----    |             |             |       |
| 1930" -----   | 38 36 08.97 | 90 38 12.27 | 2,140 |
| Rd. fork W. -----                                       | 38 36 18.6  | 90 38 07.8  | 1,054 |
| Rd. at fences E. and W. -----                           | 38 36 40.6  | 90 37 54.0  | 2,463 |
| Rd. fork W. -----                                       | 38 37 02.6  | 90 37 57.4  | 2,243 |
| Junction of dim rd. NW. -----                           | 38 37 29.8  | 90 37 51.5  | 2,787 |
| Grover, 4.8 mi. N. of, 12 ft. N. and 25 ft. W. -----    |             |             |       |
| from Ellisville-Gumbo rd. at rd. W., at center -----    |             |             |       |
| of S. end of NE. wing wall of steel bridge over -----   |             |             |       |
| Caulks Creek; standard tablet stamped "T T 13 -----     |             |             |       |
| E 1930" -----   | 38 37 59.33 | 90 37 22.47 | 3,776 |
| T-rd. NW. -----   | 38 38 20.1  | 90 37 10.9  | 2,295 |
| T-rd. SW. -----   | 38 38 34.9  | 90 36 43.3  | 2,649 |
| Private crossroad -----                                 | 38 38 49.4  | 90 36 54.7  | 1,725 |
| Junction of private rd. W. -----                        | 38 39 10.5  | 90 36 56.6  | 2,137 |
| Gumbo, 0.2 mi. S. of, 220 ft. S. and 40 ft. W. -----    |             |             |       |
| from Chicago, Rock Island & Pacific Ry. at rd. -----    |             |             |       |
| crossing, 8 ft. S. and 3 ft. E. from NE. -----          |             |             |       |
| corner of cemetery, in large limestone boulder -----    |             |             |       |
| flush with ground; standard tablet stamped -----        |             |             |       |
| "3 G 1930" -----  | 38 39 35.15 | 90 37 04.73 | 2,574 |
| R.R. at rd. crossing (previously described) -----       | 38 39 37.5  | 90 37 03.9  | 243   |

## 7. FROM WEST ST. LOUIS QUADRANGLE AT SEC. 6, T. 44 N., R. 5 E., NORTH TO SEC. 24, T. 45 N., R. 4 E. (by W. C. Elledge in 1930)

(Continued from West St. Louis quadrangle; see line 3.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Rd. fork E. -----                                      | 38 34 50.2  | 90 30 10.8  | (2,844) |
| Rd. fork S. -----                                      | 38 35 10.9  | 90 30 37.7  | 2,991   |
| Manchester, crossroads in -----                        | 38 35 34.1  | 90 30 41.8  | 2,368   |
| Manchester, in SE 1/4 sec. 36, T. 45 N., -----         |             |             |         |
| R. 4 E., near junction of U.S. Highway 50 -----        |             |             |         |
| (Manchester Road) and Henry Avenue; iron post -----    |             |             |         |
| stamped "St L 512" -----                               | 38 35 35.40 | 90 30 57.79 | 1,275   |
| Manchester, 3/4 ft. S. and 18 ft. E. from inter- ----- |             |             |         |
| section of rd. tangents S. and E., in NW. -----        |             |             |         |
| corner of schoolyard, in concrete post; -----          |             |             |         |
| standard tablet stamped "T T 15 E 1930" -----          | 38 35 38.28 | 90 30 57.09 | 296     |
| Manchester, T-rd. N. in -----                          | 38 35 33.8  | 90 30 33.4  | 1,935   |
| Rd. at fence NE. -----                                 | 38 36 08.4  | 90 30 34.6  | 3,496   |

| Station                                   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Junction of private drive W. -----        | 38 36 53.7  | 90 30 44.5  | 4,653    |
| Rd. at fence SW. -----                    | 38 37 15.7  | 90 30 48.0  | 2,241    |
| T T 8 E 1930 (previously described) ----- | 38 37 18.74 | 90 31 23.18 | 2,825    |

8. FROM BRUSSELS QUADRANGLE AT SEC. 10, T. 46 N., R. 4 E., SOUTHWEST TO  
KLUNE TRIANGULATION STATION (by D. W. Weber in 1931)  
(Continued from Brussels quadrangle; see line 2.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Harvester, SE. corner of step at store of<br>H. W. Thiemeier and Sons -----  | 38 44 46.7  | 90 34 44.9  | (4,978) |
| T-rd. S. -----   | 38 44 41.5  | 90 34 51.5  | 741     |
| Crossroads -----   | 38 44 40.4  | 90 35 55.8  | 5,095   |
| Harvester, 1.8 mi. W. of, along Boonslick Road,<br>in E 1/2 sec. 18, T. 46 N., R. 4 E., 50 ft. N.<br>and 15 ft. E. from T-rd. N.; iron post stamped<br>"St. Louis 506" ----- | 38 44 35.22 | 90 36 37.53 | 3,499   |
| Center of bridge -----   | 38 44 25.2  | 90 36 49.5  | 1,389   |
| Fifteen-in. oak tree, 15 ft. N. and 20 ft. W.<br>from T-rd. W. -----   | 38 44 09.2  | 90 37 04.8  | 2,017   |
| T-rd. E. -----   | 38 43 13.2  | 90 37 05.7  | 5,673   |
| Twenty-in. black-oak tree, 20 ft. N. and 100 ft.<br>W. from rd. fork W. -----  | 38 43 11.0  | 90 37 06.4  | 229     |
| T-rd. W. -----   | 38 42 45.3  | 90 36 53.8  | 2,784   |
| Eighteen-in. elm tree, 90 ft. N. of rd. to<br>dwelling of Adam Roth, 15 ft. N. of fence<br>corner -----  | 38 42 39.4  | 90 36 51.3  | 632     |
| Iron post (U.S.C.E.) -----   | 38 42 13.57 | 90 36 46.16 | 2,641   |
| Iron post (U.S.C.E.) -----   | 38 42 14.86 | 90 36 39.98 | 507     |
| Seib, Missouri-Kansas-Texas R.R. at sign marked<br>"Seib" -----  | 38 42 22.4  | 90 36 08.5  | 2,607   |
| Missouri-Kansas-Texas R.R. at rd. crossing -----   | 38 42 29.3  | 90 35 35.3  | 2,728   |
| Klune triangulation sta.; U.S.C.E. iron post -----   | 38 42 37.62 | 90 35 06.33 | 2,444   |

9. FROM SEC. 12, T. 45 N., R. 4 E., EAST INTO WEST ST. LOUIS QUADRANGLE AT  
SEC. 7, T. 45 N., R. 5 E. (by D. W. Weber in 1931)\*

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 9 E 1930 (previously described) ----- | 38 38 55.45 | 90 30 43.94 | ..... |
| T-rd. N. -----                            | 38 38 58.3  | 90 30 27.5  | 1,338 |
| T-rd. N. -----                            | 38 38 56.2  | 90 30 01.9  | 2,047 |

(Continued in West St. Louis quadrangle; see line 4.)

10. FROM AUGUSTA QUADRANGLE NORTHEAST ALONG MISSOURI-KANSAS-TEXAS RAILROAD TO  
KLUNE TRIANGULATION STATION (by C. D. Craig in 1936)  
(Continued from Augusta quadrangle; see line 8.)

|  |             |             |         |
|--|-------------|-------------|---------|
| R.R. at rd. crossing -----   | 38 39 35.2  | 90 44 41.4  | (3,603) |
| R.R. at milepost 55 -----  | 38 40 02.5  | 90 43 44.1  | 5,321   |
| Hamburg, R.R. at sta. -----  | 38 40 16.0  | 90 43 19.7  | 2,365   |
| Hamburg, 0.6 mi. NE. of, along Missouri-Kansas-<br>Texas R.R., 70 ft. N. of private rd. crossing,<br>15 ft. N. of fence, in concrete post; standard<br>tablet stamped "T T 76 C 1936" -----                        | 38 40 34.99 | 90 42 48.49 | 3,134   |
| Hamburg triangulation sta.; M.R.C. iron pipe -----   | 38 40 43.68 | 90 42 30.71 | 1,662   |
| R.R. at milepost 53 -----  | 38 40 56.8  | 90 41 46.5  | 3,746   |
| R.R. at crossing of Perry-Howell rd. -----   | 38 41 09.9  | 90 40 58.0  | 4,066   |
| Weldon Springs, near Missouri-Kansas-Texas R.R.<br>sta., 50 ft. E. of main track at rd. crossing,<br>in concrete post; standard tablet stamped<br>"26 M 1931" -----  | 38 41 24.85 | 90 39 54.96 | 5,222   |
| Weldon Springs, in top of concrete abutment at NW<br>corner of new U.S. Highway 40 bridge over<br>Missouri River; standard tablet (set by water<br>resources branch of U.S. Geol. Survey) -----                    | 38 41 26.88 | 90 39 49.94 | 448     |
| R.R. at fence N. -----   | 38 41 30.0  | 90 38 28.3  | 1,741   |
| R.R. at milepost 50 -----  | 38 41 39.4  | 90 38 39.4  | 3,994   |
| R.R. at rd. crossing -----   | 38 41 47.7  | 90 38 06.4  | 2,749   |
| R.R. at milepost 49 -----  | 38 41 56.0  | 90 37 34.2  | 2,688   |
| R.R. at rd. crossing -----   | 38 42 15.6  | 90 36 36.1  | 5,008   |
| Seib, at Missouri-Kansas-Texas R.R. sta., 7 mi.<br>SW. of St. Charles, 15 ft. N. and 16 ft. W.<br>from rd. crossing, at sign painted "SEIB", in<br>concrete post; standard tablet stamped "T T<br>77 C 1936" ----- | 38 42 22.70 | 90 36 08.01 | 2,342   |
| Klune triangulation sta. (previously described) -----  | 38 42 37.62 | 90 35 06.33 | 5,115   |

\*Results not of third-order accuracy.

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 11. FROM SEC. 18, T. 46 N., R. 4 E., SOUTH TO SEC. 31, T. 46 N., R. 4 E.<br>(by C. D. Craig in 1936) |             |             |          |
| St. Louis 506 (previously described) -----   | 38 44 35.22 | 90 36 37.53 | .....    |
| Rd. corner from E.-S. -----  | 38 44 21.4  | 90 37 04.0  | 2,524    |
| Rd. at fence E. -----  | 38 44 08.6  | 90 37 04.7  | 1,290    |
| Rd. at fence E. -----  | 38 43 42.3  | 90 37 05.9  | 2,670    |
| Rd. fork SE. -----   | 38 43 16.8  | 90 37 04.0  | 2,579    |
| Junction of rd. W. -----   | 38 42 45.3  | 90 36 53.5  | 3,298    |
| T T 77 C 1936 (previously described) -----   | 38 42 22.70 | 90 36 08.01 | 4,267    |

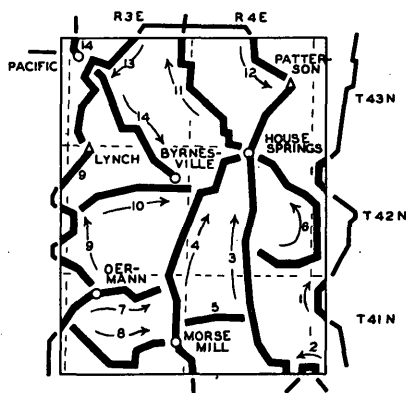
|  |             |             |       |
|--|-------------|-------------|-------|
| 12. FROM SEC. 18, T. 46 N., R. 4 E., WEST INTO BRUSSELS QUADRANGLE AT<br>SEC. 9, T. 46 N., R. 3 E. (by C. D. Craig in 1936)  |             |             |       |
| St. Louis 506 (previously described) -----   | 38 44 35.22 | 90 36 37.53 | ..... |
| State Highway 94 at fences N. and S. -----   | 38 44 37.7  | 90 37 12.8  | 2,806 |
| Junction of State Highway 94 and County Route N -<br>Cottleville, County Route N at crossroad at S.<br>edge of -----   | 38 44 38.6  | 90 38 04.9  | 4,124 |
| T-rd. N. -----   | 38 44 41.1  | 90 39 09.5  | 5,129 |
| Cottleville, 1 mi. W. of, along Cottleville-<br>Dardenne rd., about 450 ft. E. of bridge,<br>25 ft. N. of rd., on S. bank of large drainage<br>ditch, in concrete post; standard tablet<br>stamped "T T 78 C 1936" ----- | 38 44 53.8  | 90 39 16.9  | 1,410 |
|  | 38 44 50.18 | 90 40 05.75 | 3,885 |

(Continued in Brussels quadrangle; see line 5.)

Magnetic declination 5° E.

PACIFIC QUADRANGLE  
(Latitude 38°15'-38°30'; longitude 90°30'-90°45')

Franklin, Jefferson, and St. Louis Counties



1. FROM KIMMSWICK QUADRANGLE AT SEC. 6, T. 41 N., R. 5 E., NORTH INTO  
KIMMSWICK QUADRANGLE AT SEC. 18, T. 42 N., R. 5 E. (by J. H. Wilson  
in 1913)

(Continued from Kimmswick quadrangle; see line 2.)

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| T-rd. E. on top of Sandy Ridge, 1.8 mi. NE. of<br>Goldman -----  | 38 18 45.5  | 90 30 06.6  | (2,838)  |
| (For balance in Kimmswick quadrangle, see line 2.)   |             |             |          |
| Bulltown, 2.2 mi. W. of, 0.2 mi. N. of St. Paul's<br>Church, 15 ft. N. and 30 ft. W. from center of<br>triangle formed by junction of House Springs<br>Road, Bulltown, and Murphy rds.; iron post<br>stamped "Prim Trav Sta No 5 1913 881" ----- | 38 22 20.75 | 90 30 03.31 | (7,100)  |
| (Continued in Kimmswick quadrangle; see line 2.)   |             |             |          |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | " ' "       | " ' "       | Feet     |
| 2. FROM DE SOTO QUADRANGLE WEST ALONG HILLSBORO-PEVELY ROAD INTO DE SOTO QUADRANGLE (by J. M. Lawson in 1930)<br>(Continued from De Soto quadrangle; see line 8.)   |             |             |          |
| Junction of rd. N. -----  | 38 15 02.9  | 90 31 09.5  | (3,722)  |
| (Continued in De Soto quadrangle; see line 8.)  |             |             |          |
| 3. FROM DE SOTO QUADRANGLE NORTH ALONG HILLSBORO-HOUSE SPRINGS ROAD TO HOUSE SPRINGS, THENCE NORTHEAST ALONG STATE HIGHWAY 30 TO SEC. 14, T. 43 N., R. 4 E. (by J. M. Lawson in 1930)   |             |             |          |
| Center of triangle at junction of rd. NE. (In De Soto quadrangle; see line 8.) -----  | 38 14 39.1  | 90 33 31.4  | .....    |
| Junction of rd. W. -----  | 38 15 28.0  | 90 33 14.4  | 5,128    |
| Junction of rd. NW. -----   | 38 16 04.0  | 90 33 01.4  | 3,788    |
| Hillsboro, 3.2 mi. N. of, along Hillsboro-House Springs Road, 200 ft. S. of junction of rd. NW., 7 ft. S. and 30 ft. E. from junction of rd. SE., 60 ft. S. of gate to field, 26 ft. S. and 7 ft. E. from triangular-blazed 8-in. oak tree, 2 ft. E. of fence, in concrete post; standard tablet stamped "T T 27 L 1930 745" -- | 38 16 20.22 | 90 33 49.73 | 4,189    |
| Junction of rd. NE. -----   | 38 16 59.3  | 90 33 47.2  | 3,959    |
| Center of triangle at junction of rd. W. -----  | 38 17 38.6  | 90 33 54.2  | 4,005    |
| Hillsboro, 5.3 mi. N. of, along Hillsboro-House Springs Road, 58 ft. N. of former Belevs Creek post office, 18 ft. N. and 50 ft. E. from junction of rd. E. to Goldman, 11 ft. SE. of fence corner, 11 ft. N. of old rusted iron post stamped "708", in concrete post; standard tablet stamped "T T 28 L 1930 708" -----        | 38 17 54.32 | 90 34 00.22 | 1,666    |
| Center of bridge over creek -----   | 38 18 21.9  | 90 34 06.4  | 2,828    |
| Junction of rd. E. -----  | 38 18 45.6  | 90 34 18.0  | 2,573    |
| Center of triangle at junction of rd. W. -----  | 38 18 58.9  | 90 34 22.9  | 1,404    |
| Center of bridge over creek -----   | 38 19 15.1  | 90 34 23.1  | 1,635    |
| Curve in rd. to NW. -----   | 38 19 30.2  | 90 34 11.3  | 1,799    |
| Center of triangle at junction of rd. NW. -----   | 38 19 52.8  | 90 34 13.0  | 2,287    |
| Center of triangle at junction of rd. SE. -----   | 38 20 11.5  | 90 34 13.6  | 1,892    |
| Hillsboro, 8.4 mi. N. of, along Hillsboro-House Springs Road, 5.4 mi. S. of House Springs, 23 ft. S. and 23 ft. W. from junction of rd. W., 11 ft. NW. of 7-in. cedar tree, 12 ft. SW. of mail box of Joseph Schroder, in concrete post; standard tablet stamped "T T 29 L 1930 662" -----                                      | 38 20 24.54 | 90 34 15.91 | 1,327    |
| Center of triangle at junction of rd. N. -----  | 38 21 06.8  | 90 34 15.6  | 4,272    |
| Ford across creek -----   | 38 21 55.8  | 90 33 39.8  | 5,720    |
| House Springs, 2.2 mi. S. of, along Hillsboro-House Springs Road, 27 ft. E. of Bourne Creek, 160 ft. S. of large wooden culvert, 12 ft. E. of rd., about 10 ft. N. of 2 triangular-blazed 30-in. elm trees, in concrete post; standard tablet stamped "T T 30 L 1930 557" -----   | 38 22 53.57 | 90 33 58.72 | 6,039    |
| NE. corner of yard fence at dwelling -----  | 38 23 35.7  | 90 34 05.4  | 4,295    |
| Bourne Creek, center of bridge over -----   | 38 24 21.4  | 90 34 12.3  | 4,662    |
| House Springs, in N. end of E. abutment of new bridge over Heads Creek; standard tablet stamped "465" -----   | 38 24 37.29 | 90 34 18.36 | 1,675    |
| Junction of rd. SW. -----   | 38 25 22.3  | 90 33 23.1  | 6,328    |
| Junction of rd. NE. -----   | 38 25 30.3  | 90 33 12.0  | 1,197    |
| House Springs, 2.5 mi. NE. of, along State Highway 30, 1.8 mi. SW. of High Ridge, 105 ft. S. and 35 ft. E. from highway at rd. SW. to Byrnes Mill, 25 ft. N. of produced tangent of rd. SW., 1 ft. E. of edge of high bank, inside of fence, in concrete post; standard tablet stamped "T T 31 L 1930 778" -----                | 38 26 25.35 | 90 33 01.39 | 5,632    |
| Junction of rd. NW. -----   | 38 26 54.2  | 90 32 53.3  | 2,986    |
| High Ridge, in SE 1/4 sec. 14, T. 43 N., R. 4 E., on rd. opposite post office; iron post stamped "926" -----  | 38 27 28.00 | 90 32 08.95 | 4,911    |
| Patterson triangulation sta.; U.S.C. & G.S. standard disk stamped "Patterson" -----   | 38 27 52.59 | 90 32 00.59 | 2,574    |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 4. FROM DE SOTO QUADRANGLE AT SEC. 31, T. 41 N., R. 4 E., NORTH TO SEC. 18, T. 42 N., R. 4 E., THENCE NORTHEAST ALONG STATE HIGHWAY 30 TO HOUSE SPRINGS (by J. M. Lawson in 1930)  |             |             |          |
| (Continued from De Soto quadrangle; see line 10.)  |             |             |          |
| Hillsboro, 5 mi. NW. of, along Hillsboro-Morse Mill Road, 2.2 mi. SE. of Morse Mill, 31 ft. S. and 25 ft. W. from dim crossroad, 1 1/4 ft. W. of oak tree, in concrete post; standard tablet stamped "T T 33 L 1930 798" -----   | 38 15 15.42 | 90 37 26.72 | (5,240)  |
| Mail box of O. M. Chapman, 1 1/4 ft. E. of T-rd. E.-   | 36 15 42.4  | 90 38 07.9  | 4,274    |
| Center of triangle at rd. fork NW. -----   | 38 16 11.0  | 90 38 49.5  | 4,404    |
| Morse Mill, in N. abutment of bridge over Big River; standard tablet stamped "494" -----   | 38 16 31.75 | 90 39 08.33 | 2,576    |
| Rd. forks -----  | 38 16 56.9  | 90 38 54.1  | 2,787    |
| Center of triangle at T-rd. E. -----   | 38 17 17.8  | 90 38 54.3  | 2,111    |
| Jones Creek, center of wooden bridge over -----  | 38 17 52.7  | 90 38 52.8  | 3,526    |
| Morse Mill, 3.3 mi. N. of, 2.2 mi. SE. of Cedar Hill, 100 ft. S. 41° 30' W. of rd. forks, 139 ft. N. 35° 40' E. of NE. corner of dwelling of W. P. Null, 10 ft. W. of 8-in. cedar tree, in concrete post; standard tablet stamped "T T 34 L 1930 704" -----  | 38 19 12.31 | 90 38 58.41 | 8,067    |
| Rd. fork SW. -----   | 38 20 32.7  | 90 38 45.4  | 8,195    |
| Big River at Cedar Hill, center of bridge over --  | 38 20 59.4  | 90 38 36.1  | 2,801    |
| Cedar Hill, at NE. limits of, on top of hill, 21 ft. N. and 37 ft. E. from T-rd. E., at SW. corner of grape arbor of A. F. Crull, in concrete post; standard tablet stamped "T T 35 L 1930 629" -----  | 38 21 19.70 | 90 38 16.99 | 2,557    |
| Rd. fork S., 25 ft. SW. of rd. fork N. -----   | 36 22 01.3  | 90 37 44.1  | 4,952    |
| Local, crossroad at -----  | 38 22 25.9  | 90 37 21.7  | 3,061    |
| House Springs, 2.8 mi. SW. of, along State Highway 30, near center of SW 1/4 sec. 8, T. 42 N., R. 4 E., at foot of hill, 37 ft. N. and 26 ft. W. from highway at dim private rd. NW., 4 ft. S. of telegraph pole, on S. bank of small creek, in concrete post; standard tablet stamped "T T 36 L 1930" -----                           | 38 23 14.59 | 90 36 07.60 | 7,688    |
| Junction of rd. S. -----   | 38 24 20.4  | 90 35 06.2  | 8,260    |
| Center of triangle at junction of rd. N. -----   | 38 24 45.6  | 90 34 51.3  | 2,813    |
| 465 (previously described) -----   | 38 24 37.29 | 90 34 18.36 | 2,752    |
| 5. FROM SEC. 10, T. 41 N., R. 4 E., WEST TO SEC. 14, T. 41 N., R. 3 E. (by J. M. Lawson in 1930)   |             |             |          |
| T T 28 L 1930 708 (previously described) -----   | 38 17 54.32 | 90 34 00.22 | .....    |
| Rd. W. at gate S. of dwelling -----  | 38 17 53.5  | 90 34 36.2  | 2,869    |
| Rd. at gate -----  | 38 17 33.8  | 90 34 58.1  | 2,649    |
| Center of wooden culvert over creek -----  | 38 17 35.5  | 90 35 24.8  | 2,134    |
| Center of triangle at rd. fork NW. -----   | 38 17 39.4  | 90 35 39.5  | 1,240    |
| Belews Creek, 2.7 mi. W. of old post office, along rd. to McCulloch Ford, 0.5 mi. W. of ford across Belews Creek, on top of hill, 55 ft. S. of dim rd. fork S., 73 ft. S. 8° E. of blazed 18-in. oak tree, 33 ft. N. 84° W. of blazed 15-in. oak tree, at edge of rd., in concrete post; standard tablet stamped "T T 32 L 1930" ----- | 38 17 22.57 | 90 36 28.28 | 4,243    |
| Rd. fork S. -----  | 38 17 34.5  | 90 37 21.1  | 4,380    |
| T-rd. NW. -----  | 38 17 42.6  | 90 37 45.4  | 2,104    |
| Center of grassy triangle at rd. fork SW. -----  | 38 17 17.5  | 90 38 10.6  | 3,246    |
| Center of triangle at T-rd. E. (previously described) -----  | 38 17 17.8  | 90 38 54.3  | 3,478    |
| Rd. forks (previously described) -----   | 38 16 56.9  | 90 38 54.1  | 2,113    |
| 6. FROM SEC. 33, T. 42 N., R. 4 E., EAST TO SEC. 36, T. 42 N., R. 4 E., THENCE NORTHWEST TO HOUSE SPRINGS (by J. M. Lawson in 1930)  |             |             |          |
| T T 29 L 1930 662 (previously described) -----   | 38 20 24.54 | 90 34 15.91 | .....    |
| Triangular-blazed 18-in. twin oak tree N. of rd. on top of hill -----  | 38 19 59.5  | 90 33 24.2  | 4,839    |
| Triangular-blazed 15-in. hickory tree in E. corner of triangle at rd. fork NW. to Mount Olive School -----   | 38 19 46.6  | 90 32 47.9  | 3,175    |
| Goldman, 2 mi. N. and 0.5 mi. W. from, in SE 1/4 SW 1/4 sec. 36, T. 42 N., R. 4 E., on top of ridge, at SW. corner of rd. fork S., in concrete post; standard tablet stamped "T T 37 L 1930" -----   | 38 19 35.01 | 90 31 40.74 | 5,461    |
| Rd. fork NE. -----   | 38 19 41.7  | 90 31 07.3  | 2,752    |
| Rd. fork SW. -----   | 38 19 48.6  | 90 30 50.5  | 1,506    |
| Rd. fork N. -----  | 38 20 26.4  | 90 30 15.0  | 4,759    |
| Center of triangle at rd. fork S. along ridge --   | 38 21 14.7  | 90 30 08.6  | 4,899    |
| Prim Trav Sta No 5 1913 881 (previously described) -----   | 38 22 20.75 | 90 30 03.31 | 6,697    |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Center of concrete culvert -----   | 38 22 44.5  | 90 30 57.1  | 4,912    |
| Center of triangle at rd. fork SE. opposite<br>Heads Creek School -----  | 38 23 00.6  | 90 31 40.8  | 3,839    |
| House Springs, 1.8 mi. SE. of, along Antonia<br>Road, 60 ft. E. of junction of rd. NE., in top<br>of NE. corner of N. head wall of concrete<br>bridge over creek; standard tablet stamped<br>"T T 38 L 1930 529" ----- | 38 23 36.48 | 90 32 31.88 | 5,451    |
| Crossroads -----   | 38 23 57.1  | 90 33 05.9  | 3,418    |
| 465 (previously described) -----   | 38 24 37.29 | 90 34 18.36 | 7,056    |

7. FROM ST. CLAIR QUADRANGLE NORTHEAST ALONG STATE HIGHWAY 30 TO SEC. 8,  
T. 41 N., R. 3 E., THENCE EAST ALONG ROADS TO SEC. 1, T. 41 N.,  
R. 3 E. (by J. M. Lawson in 1930)  
(Continued from St. Clair quadrangle; see line 1.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Signs in triangle at junction of rd. S. -----  | 38 18 05.3  | 90 44 43.9  | (5,454) |
| Triangular-blazed 18-in. oak tree at SW. corner<br>of junction of rd. E. -----   | 38 18 07.9  | 90 44 00.6  | 3,465   |
| Oermann, crossroad at -----  | 38 18 29.2  | 90 43 24.2  | 3,607   |
| Junction of rd. S. -----   | 38 18 45.2  | 90 42 42.1  | 3,731   |
| Oermann, 1.1 mi. NE. of, along old State Highway<br>30, at curve to N., 5 ft. S. and 49 ft. E.<br>from highway sign in triangle at rd. junction,<br>3 ft. NE. of fence corner, in concrete post;<br>standard tablet stamped "T T 45 L 1930 766" -- | 38 18 50.58 | 90 42 17.18 | 2,055   |
| Center of triangle at T-rd. S. -----   | 38 18 34.2  | 90 40 53.9  | 6,839   |
| Rd. fork N. -----  | 38 18 41.2  | 90 40 20.3  | 2,771   |
| Rail fence corner at NW. corner of rd. fork N. --  | 38 18 53.9  | 90 39 50.5  | 2,696   |
| T T 34 L 1930 704 (previously described) -----   | 38 19 12.31 | 90 38 58.41 | 4,548   |

8. FROM ST. CLAIR QUADRANGLE AT SEC. 24, T. 41 N., R. 2 E., EAST TO MORSE MILL  
(by J. M. Lawson in 1930)

|   |             |             |       |
|---|-------------|-------------|-------|
| 908 (In St. Clair quadrangle; see line 1.) -----  | 38 17 18.34 | 90 45 17.55 | ..... |
| Triangular-blazed oak tree, 12 ft. N. of rd.<br>fork S. -----   | 38 16 54.4  | 90 44 40.9  | 3,796 |
| Rd. fork S. -----   | 38 16 35.1  | 90 44 21.8  | 2,475 |
| Rd. fork E. -----   | 38 16 07.8  | 90 43 53.1  | 3,592 |
| Center of triangle at rd. fork SW. -----  | 38 15 37.8  | 90 43 46.2  | 3,084 |
| Grubville, 3.9 mi. SE. of, along Grubville-Ware<br>rd., 240 ft. S. 72° W. of W. corner of<br>Bethlehem Church, 42 ft. N. 35° W. of S. corner<br>of cemetery fence, 25 ft. NE. of rd., in<br>concrete post; standard tablet stamped "T T<br>46 L 1930 620" ----- | 38 15 10.65 | 90 42 32.42 | 6,464 |
| Rd. fork NE. -----  | 38 15 14.6  | 90 41 45.9  | 3,733 |
| Morse Mill, 2.1 mi. W. of, along River rd.,<br>2.2 mi. E. of Bethlehem Church, 15 ft. S. and<br>26 ft. W. from rd. fork N., 154 ft. S. 38°<br>W. of blazed 48-in. oak tree, in concrete post;<br>standard tablet stamped "T T 47 L 1930 496" --                 | 38 16 18.56 | 90 41 19.44 | 6,800 |
| Center of gate across private rd. SE. -----   | 38 16 34.3  | 90 40 40.0  | 3,522 |
| Rd. fork SW. -----  | 38 16 38.9  | 90 39 41.2  | 4,712 |
| 494 (previously described) -----  | 38 16 31.75 | 90 39 08.33 | 2,720 |

9. FROM OERMANN NORTH TO POINT NEAR ROCK CHURCH (by J. M. Lawson in 1930)

|  |             |             |       |
|--|-------------|-------------|-------|
| Oermann, crossroad at (previously described) ----  | 38 18 29.17 | 90 43 24.24 | ..... |
| Rd. fork W. -----  | 38 19 13.3  | 90 43 35.9  | 4,563 |
| Oermann, 1.8 mi. N. of, 32 ft. S. and 85 ft. N.<br>from rd. forks on line between secs. 6 and 31,<br>Tps. 41 and 42 N., R. 3 E., 7 ft. N. and 116<br>ft. W. from rd. at creek crossing, 13 ft. W.<br>of fence corner, in concrete post; standard<br>tablet stamped "T T 48 L 1930 617" ----- | 38 19 45.42 | 90 44 00.34 | 3,786 |
| Junction of dim rd. N. -----   | 38 20 10.6  | 90 44 13.1  | 2,738 |
| Tree in triangle at junction of rds. to Oermann,<br>Dittmer, and Catawissa at creek crossing -----   | 38 20 57.0  | 90 44 11.9  | 4,696 |

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

|   |             |             |         |
|---|-------------|-------------|---------|
| Oermann, 4.7 mi. N. of, 3.8 mi. SW. of Scheve,<br>57 ft. N. and 24 ft. W. from center of triangle<br>formed by rd. forks, 16 ft. N. and 26 ft. W.<br>from mail boxes on wheel, in fence line, in<br>concrete post; standard tablet stamped "T T<br>49 L 1930 703" ----- | 38 21 29.53 | 90 44 57.24 | (1,185) |
| Triangular-blazed oak tree in triangle at<br>junction of dim rd. W. -----   | 38 21 59.1  | 90 44 55.9  | 2,993   |

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

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Rock Church, NW. corner of -----   | 38 24 11.6  | 90 44 40.8  | (4,602)  |
| Lynch triangulation sta.: U.S.C. & G.S. standard<br>disk stamped "Lynch" ----- | 38 24 27.67 | 90 44 00.66 | 3,577    |

## 10. FROM SEC. 17, T. 42 N., R. 3 E., EAST TO LOCAL (by J. M. Lawson in 1930)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 49 L 1930 703 (previously described) -----  | 38 21 29.53 | 90 44 57.24 | ..... |
| Center of triangle at rd. fork E. -----   | 38 21 49.6  | 90 44 32.6  | 2,829 |
| Rd. fork E. -----   | 38 22 11.2  | 90 43 59.7  | 3,405 |
| Center of triangle at rd. fork N. -----   | 38 22 22.3  | 90 43 53.7  | 1,219 |
| Rd. corner from W.-N. at Scheve School -----  | 38 22 42.7  | 90 43 02.8  | 4,549 |
| Scheve, 3.4 mi. W. of Byrnesville, 44 ft. E. of<br>SE. corner of old store building, 38 ft. N. of<br>rd. in front of entrance to yard of B. Behnen,<br>4 ft. S. and 8 ft. W. from fence corner, in<br>concrete post; standard tablet stamped "T T<br>51 L 1930 654" ----- | 38 23 01.37 | 90 41 49.51 | 6,136 |
| Center of wooden culvert at rd. fork SW. -----  | 38 23 24.5  | 90 40 08.4  | 8,388 |
| Byrnesville, near center sec. 12, T. 42 N.,<br>R. 3 E., near center of SW. abutment of iron<br>bridge over Big River; copper bolt stamped<br>"459" -----  | 38 23 30.93 | 90 38 17.68 | 8,840 |
| Rd. fork E. through gate -----  | 38 23 31.7  | 90 37 51.4  | 2,096 |
| Local, crossroad at (previously described) -----  | 38 22 25.9  | 90 37 21.7  | 7,060 |

## 11. FROM HOUSE SPRINGS NORTHWEST INTO MANCHESTER QUADRANGLE AT POINT NEAR EUREKA (by J. M. Lawson in 1930)

|  |             |             |       |
|--|-------------|-------------|-------|
| 465 (previously described) -----   | 38 24 37.29 | 90 34 18.36 | ..... |
| Head Creek, center of wooden bridge over -----   | 38 24 57.9  | 90 35 06.6  | 4,365 |
| Rd. fork SW. -----   | 38 25 05.1  | 90 35 06.4  | 733   |
| Big River, center of bridge over -----   | 38 25 15.3  | 90 35 18.9  | 1,431 |
| T-rd. N. to Eureka -----   | 38 25 19.7  | 90 35 56.5  | 3,029 |
| House Springs, 3.1 mi. NW. of, along rd. to<br>Eureka, 52 ft. S. and 23 ft. W. from junction<br>of rd. N. to Los Elban Farm, 18 ft. S. of fence<br>corner, in concrete post; standard tablet<br>stamped "T T 52 L 1930 504" -----          | 38 26 15.36 | 90 35 54.98 | 5,633 |
| Rd. fork N. -----  | 38 26 30.7  | 90 36 28.7  | 3,098 |
| Rd. fork W. -----  | 38 26 50.9  | 90 36 58.5  | 3,129 |
| Junction of dim private rd. W. -----   | 38 27 47.2  | 90 37 40.2  | 6,605 |
| Eureka, 1.8 mi. S. and 0.9 mi. E. from, 1.8 mi.<br>N. of Hoene Spring, 21 ft. S. and 43 ft. E.<br>from junction of rd. SW., in top of SW.<br>concrete abutment of bridge over Big River;<br>standard tablet stamped "T T 53 L 1930 445" -- | 38 28 09.10 | 90 37 26.49 | 2,472 |
| Crossroads -----   | 38 28 38.1  | 90 38 13.4  | 4,748 |
| Meramec River, center of bridge over -----   | 38 29 06.2  | 90 37 58.7  | 3,075 |
| Rd. fork W. -----  | 38 29 35.8  | 90 37 57.0  | 2,899 |

(Continued in Manchester quadrangle; see line 1.)

## 12. FROM MANCHESTER QUADRANGLE AT SEC. 3, T. 43 N., R. 4 E., SOUTHEAST TO SEC. 14, T. 43 N., R. 4 E. (by J. M. Lawson in 1930)

(Continued from Manchester quadrangle; see line 1.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Junction of private rd. E. -----   | 38 29 23.9  | 90 33 38.0  | (5,167) |
| High Ridge, 2.5 mi. NW. of, 0.2 mi. W. of center<br>sec. 10, T. 43 N., R. 4 E., 40 ft. W. of<br>triangle formed by junction of Antive Creek<br>Road and rd. E., 10 ft. W. of fence corner, in<br>concrete post; standard tablet stamped "T T<br>56 L 1930 580" ----- | 38 28 46.65 | 90 33 46.27 | 3,826   |
| Center of gate across private rd., at curve in<br>main rd. downhill -----  | 38 28 04.7  | 90 33 16.9  | 4,845   |
| Center of gate to farmyard -----   | 38 27 42.7  | 90 32 45.3  | 3,357   |
| Patterson triangulation sta. (previously<br>described) -----   | 38 27 52.59 | 90 32 00.59 | 3,694   |

## 13. FROM MANCHESTER QUADRANGLE SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO PACIFIC, THENCE SOUTHEAST ALONG ROADS TO POINT NEAR ROCK CHURCH (by J. M. Lawson in 1930)

(Continued from Manchester quadrangle; see line 2.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Eureka, 3.3 mi. W. of, in N. corner of NW.<br>concrete abutment of St. Louis-San Francisco<br>Ry. overhead-crossing trestle MK 30.6;<br>standard tablet stamped "T T 57 L 1930" ----- | 38 29 58.26 | 90 41 13.24 | (3,450) |
| Dozier, N. track at rd. crossing at sta. -----  | 38 29 22.2  | 90 41 48.9  | 4,623   |
| S. track at rd. crossing -----  | 38 28 49.8  | 90 42 26.9  | 4,455   |
| S. track at center of trestle 32.2 -----  | 38 28 49.3  | 90 42 57.5  | 2,439   |

| Station   | Latitude         | Longitude        | Distance   |
|---|------------------|------------------|------------|
| R.R. at rd. crossing -----  | ° ' " 38 29 00.6 | ° ' " 90 43 43.9 | Feet 3,862 |
| Pacific, on Main Street, two doors E. of bank,<br>in SE. corner of foundation of building<br>occupied by Butler's butcher shop; standard<br>tablet stamped "466" -----  | 38 28 55.90      | 90 44 27.28      | 3,484      |
| Pacific, about 0.4 mi. W. of St. Louis-San<br>Francisco Ry. sta., 55 ft. E. of main track,<br>40 ft. W. of corner of dwelling of Anton Brand,<br>9 ft. E. of rd., 3 ft. SW. of corner of picket<br>fence; iron post stamped "465" -----   | 38 28 41.13      | 90 44 41.43      | 1,869      |
| Meramec River, center of County Route F bridge<br>over -----  | 38 28 00.9       | 90 44 08.2       | 4,846      |
| Signpost in center of triangle at rd. fork S. ---<br>Pacific, 2.6 mi. SE. of, along rd. to Catawissa,<br>in sec. 19, T. 43 N., R. 3 E., 40 ft. N. and<br>23 ft. E. from junction of rd. SW., 30 ft. N.<br>of gate, inside of field fence, in concrete<br>post; standard tablet stamped "T T 58 L 1930<br>592" ----- | 38 27 51.2       | 90 43 40.0       | 2,448      |
| Signpost in triangle at rd. fork SE. -----  | 38 27 13.13      | 90 43 45.58      | 3,868      |
| Center of triangle at rd. fork S. -----   | 38 27 02.3       | 90 43 54.8       | 1,319      |
| T-rd. W. -----  | 38 26 45.0       | 90 44 28.4       | 3,195      |
| Crossroads -----  | 38 26 18.2       | 90 44 29.4       | 2,706      |
| Center of triangle at rd. fork W. -----   | 38 25 25.0       | 90 44 30.9       | 5,385      |
| Lynch triangulation sta. (previously described) -   | 38 24 32.7       | 90 44 33.2       | 5,281      |
|   | 38 24 27.67      | 90 44 00.66      | 2,640      |

14. FROM MANCHESTER QUADRANGLE AT SEC. 1, T. 43 N., R. 2 E., SOUTHEAST TO  
BYRNESVILLE (by W. C. Elledge in 1930)

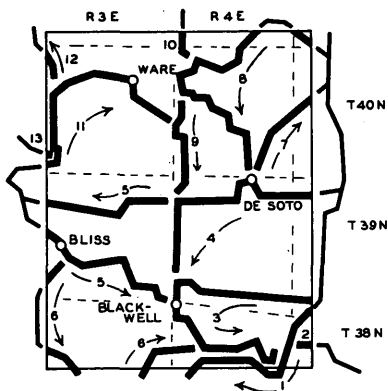
(Continued from Manchester quadrangle; see line 3.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Rd. forks -----  | 38 29 39.0  | 90 44 40.2  | (2,512) |
| 466 (previously described) -----   | 38 28 55.90 | 90 44 27.28 | 4,478   |
| T T 58 L 1930 592 (previously described) -----   | 38 27 13.13 | 90 43 45.58 | 10,912  |
| Junction of dim rd. -----  | 38 26 51.8  | 90 43 40.5  | 2,197   |
| Junction of rd. NE. -----  | 38 26 44.7  | 90 43 15.4  | 2,119   |
| Pacific, 4.3 mi. SE. of, along Byrnesville-<br>Pacific rd., in W 1/2 sec. 29, T. 43 N.,<br>R. 3 E., 25 ft. N. and 45 ft. E. from junction<br>of rds. E. and N., in concrete post; standard<br>tablet stamped "1 J 1930 607" -----  | 38 26 17.99 | 90 43 12.79 | 2,710   |
| Rd. at fence N. -----  | 38 26 17.0  | 90 42 58.0  | 1,185   |
| Crossroads -----   | 38 26 16.3  | 90 42 36.9  | 1,680   |
| Rd. forks -----  | 38 25 52.0  | 90 41 53.3  | 4,245   |
| Pacific, 6.5 mi. SE. of, along Byrnesville-<br>Pacific rd., in NE 1/4 sec. 33, T. 43 N.,<br>R. 3 E., 140 ft. N. and 60 ft. E. of N. end of<br>bridge over Bar Creek, 5 ft. E. of fence<br>corner, 1 ft. N. of fence, in concrete post;<br>standard tablet stamped "2 J 1930 474" ----- | 38 25 36.58 | 90 40 59.48 | 4,492   |
| Center of bridge over creek -----  | 38 25 11.2  | 90 40 44.0  | 3,027   |
| Rd. forks -----  | 38 24 52.3  | 90 40 33.8  | 2,078   |
| Dim crossroad at junction of rd. SE. -----   | 38 24 32.0  | 90 40 25.0  | 2,173   |
| Blazed, 30-in. oak tree, 12 ft. E. of rd. -----  | 38 24 17.8  | 90 40 06.6  | 2,050   |
| Junction of dim rd. S. -----   | 38 24 08.5  | 90 39 49.3  | 1,668   |
| Rd. at fence N. -----  | 38 24 04.0  | 90 39 22.1  | 2,213   |
| Junction of private rd. E. -----   | 38 23 50.3  | 90 39 05.3  | 1,925   |
| T-rd. NW. -----  | 38 23 28.4  | 90 39 05.0  | 2,211   |
| Rd. at fence S. -----  | 38 23 31.6  | 90 38 54.6  | 893     |
| 459 (previously described) -----   | 38 23 30.93 | 90 38 17.68 | 2,939   |

Magnetic declination in 1930, 5° E.



DE SOTO QUADRANGLE  
(Latitude  $38^{\circ}00' - 38^{\circ}15'$ ; longitude  $90^{\circ}30' - 90^{\circ}45'$ )  
Jefferson, St. Francois, and Washington Counties



1. FROM CRYSTAL CITY QUADRANGLE SOUTHWEST ALONG MISSOURI-ILLINOIS RAILROAD TO SILVER SPRINGS, THENCE WEST TO SEC. 19, T. 38 N., R. 4 E. (by J. R. Ellis in 1903)  
(Continued from Crystal City quadrangle; see line 1.)

| Station   | Latitude   | Longitude  | Distance        |
|---|------------|------------|-----------------|
| T. 38 N., R. 5 E., cor. secs. 5, 6, 7, and 8 (?) - Silver Springs, Missouri-Illinois R.R. at rd. crossing ----- | 38 01 43.3 | 90 30 28.4 | Feet<br>(5,668) |
| Crossroads (in Bonne Terre quadrangle) -----  | 38 00 01.3 | 90 31 32.2 | 11,537          |
| T. 38 N., R. 5 E., cor. secs. 14, 15, 22, and 23 (?) -----  | 37 59 51.7 | 90 32 45.0 | 5,908           |
| T-rd. N. and lane S. -----  | 38 00 09.8 | 90 33 50.8 | 5,536           |
| T-rd. N. -----  | 38 00 43.8 | 90 34 41.0 | 5,289           |
| T. 38 N., R. 4 E., cor. secs. 17, 18, 19, and 20 (?) -----  | 38 00 43.3 | 90 35 49.1 | 5,450           |
| T-rd. NW. (in Bonne Terre quadrangle) -----   | 38 00 27.7 | 90 37 16.3 | 7,155           |
|   | 37 59 59.3 | 90 38 25.5 | 6,607           |

2. FROM CRYSTAL CITY QUADRANGLE AT SEC. 17, T. 38 N., R. 5 E., WEST AND NORTH TO SEC. 6, T. 38 N., R. 5 E. (by J. R. Ellis in 1903)  
(Continued from Crystal City quadrangle; see line 2.)

|   |            |            |         |
|---|------------|------------|---------|
| Crossroads -----  | 38 00 48.1 | 90 30 11.2 | (4,376) |
| T. 38 N., R. 5 E., cor. secs. 5, 6, 7, and 8 (?) (previously described) ----- | 38 01 43.3 | 90 30 28.4 | 5,804   |

3. FROM CRYSTAL CITY QUADRANGLE AT SEC. 5, T. 38 N., R. 5 E., WEST TO SEC. 6, T. 38 N., R. 4 E., THENCE SOUTHEAST TO SEC. 16, T. 38 N., R. 4 E., THENCE EAST TO SEC. 18, T. 38 N., R. 5 E., THENCE NORTH ALONG MISSOURI-ILLINOIS RAILROAD INTO CRYSTAL CITY QUADRANGLE (by J. M. Lawson in 1930)

|  |             |             |       |
|--|-------------|-------------|-------|
| Prim Trav Sta No 3 1913 745 (In Crystal City quadrangle; see line 3.) -----  | 38 02 28.98 | 90 29 52.45 | ..... |
| Joachim Creek, center of ford across -----   | 38 03 24.7  | 90 30 48.8  | 7,218 |
| Triangular-blazed 18-in. oak tree, 36 ft. S. 36° W. of rd. at fence, 9 ft. SE. of rd. -----  | 38 02 51.4  | 90 31 33.5  | 4,906 |
| Valles Mines, 2.2 mi. W. of, in SE 1/4 SE 1/4 sec. 36, T. 39 N., R. 4 E., 28 ft. S. and 28 ft. E. from junction of private rd. S. through gate, 28 ft. S. of junction of private rd. N. through gate, 2 ft. N. and 2 ft. E. from T-fence S. in concrete post; standard tablet stamped "T 1 L 1930 841" ----- | 38 02 33.69 | 90 31 50.49 | 2,248 |
| Center of ford across creek -----  | 38 02 39.9  | 90 32 20.5  | 2,482 |
| Blazed thirty-six-in. oak tree, 12 ft. S. of crossroads -----  | 38 02 41.9  | 90 32 56.7  | 2,907 |
| T-rd. S. -----   | 38 02 43.8  | 90 33 12.7  | 1,292 |
| Crossroads -----   | 38 02 49.6  | 90 34 02.0  | 3,992 |
| Valles Mines, 5.3 mi. W. of, on line between secs. 4 and 33, Tps. 38 and 39 N., R. 4 E., on top of hill, 15 ft. N. of private rd. S. to dwelling of L. Buchenberg, in concrete post; standard tablet stamped "T 2 L 1930 824" -----  | 38 02 56.28 | 90 35 12.46 | 5,704 |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Triangular-blazed 9-in. oak tree N. of gate across rd. -----   | 36 03 02.3  | 90 35 46.6  | 2,761    |
| Triangular-blazed 18-in. walnut tree on N. side of rd. at curve to W. -----  | 38 03 18.5  | 90 36 17.7  | 2,983    |
| Triangular-blazed 36-in. sycamore tree on N. side of rd., 100 ft. W. of Big River -----  | 38 03 42.0  | 90 36 51.2  | 3,582    |
| Missouri Pacific R.R. at rd. crossing -----  | 38 03 36.8  | 90 37 03.7  | 1,047    |
| Missouri Pacific R.R. between semaphores 508 and 509 -----   | 38 02 52.6  | 90 37 21.5  | 4,890    |
| Blackwell, 226 ft. N. of semaphore at window of Missouri Pacific R.R. sta., 46 ft. S. and 29 ft. W. from rd. crossing, on S. side of cattle guard, 13 ft. W. of track, 8 ft. S. and 2 ft. E. from fence corner, at N. end of sta. platform, in concrete post; standard tablet stamped "T T 3 L 1930 591" ----- | 38 02 41.97 | 90 37 23.13 | 1,078    |
| Mill Creek, top of NE. upper concrete head wall of Missouri Pacific R.R. trestle 46 over -----   | 38 01 59.2  | 90 37 28.3  | 4,352    |
| Junction of private rd. S. -----   | 38 02 03.6  | 90 37 00.1  | 2,299    |
| NE. corner of NE. head wall of concrete culvert in triangle at rd. fork NE. -----  | 38 01 40.2  | 90 36 20.9  | 3,927    |
| Triangular-blazed 20-in. oak tree, 69 ft. NW. of junction of private rd. N. -----  | 38 01 08.3  | 90 36 04.4  | 3,498    |
| Silver Springs, 4.7 mi. W. of, along old Taylor Mill rd., 3.4 mi. SE. of Blackwell, in NW 1/4 SW 1/4 sec. 16, T. 38 N., R. 4 E., 56 ft. S. of junction of rd. N., 35 ft. SW. of gate to Smith's Den, on S. side of rail fence, in concrete post; standard tablet stamped "T T 4 L 1930 861" -----              | 38 00 40.65 | 90 35 50.61 | 3,005    |
| Center of gate at rd. S. to Lake of Woods Country Club, 30 ft. S. of rd. forks -----   | 38 00 31.1  | 90 35 29.3  | 1,956    |
| Crossroads -----   | 38 00 45.8  | 90 34 08.2  | 6,645    |
| Junction of private rd. NE. -----  | 38 00 59.1  | 90 33 37.4  | 2,842    |
| Silver Springs, 1.7 mi. W. of, along old Taylor Mill rd., on line between secs. 11 and 14, T. 38 N., R. 4 E., at foot of hill, 18 ft. S. and 1 ft. W. from junction of dim rd. SE., 15 ft. W. of gate to field, 2 ft. S. of fence, in concrete post; standard tablet stamped "T T 5 L 1930 904" -----          | 38 00 52.22 | 90 32 48.74 | 3,962    |
| Crossroads -----   | 38 00 35.0  | 90 31 54.6  | 4,675    |
| Silver Springs, R.R. at rd. crossing, 51 ft. S. 78° W. from W. corner of sta. (in Bonne Terre quadrangle) -----  | 37 59 58.9  | 90 31 34.3  | 3,996    |
| Valles Mines, 2.8 mi. SW. of, along Missouri Pacific R.R., 0.9 mi. NE. of Silver Springs, in NE 1/4 sec. 18, T. 38 N., R. 5 E., 283 ft. N. of Tunnel sta., 46 ft. W. of track, at cattle guard, in fence corner, in concrete post; standard tablet stamped "T T 6 L 1930 915" -----                            | 38 00 32.40 | 90 30 46.18 | 5,130    |
| R.R. at rd. crossing -----   | 38 01 30.0  | 90 30 54.0  | 5,863    |
| R.R. at milepost 21 -----  | 38 02 15.4  | 90 30 02.2  | 6,186    |
| Valles Mines, R.R. at rd. crossing (in Crystal City quadrangle; see line 1.) -----   | 38 02 28.7  | 90 29 51.9  | 1,582    |

4. FROM CRYSTAL CITY QUADRANGLE AT SEC. 5, T. 39 N., R. 5 E., WEST TO SEC. 7, T. 39 N., R. 4 E., THENCE SOUTH TO SEC. 32, T. 39 N., R. 4 E. (by J. M. Lawson in 1930)

(Continued from Crystal quadrangle; see line 5.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Center of triangle at rd. fork NE. -----  | 38 06 57.2  | 90 30 06.3  | (3,653) |
| De Soto, 2.6 mi. E. of, in S 1/2 sec. 6, T. 39 N., R. 5 E., 33 ft. N. and 5 ft. E. from T-rd. S., 20 ft. N. and 5 ft. E. from fence corner, 48 ft. N. of mail box of Roy Harding, in concrete post; standard tablet stamped "T T 7 L 1930 777" -----                              | 38 07 06.59 | 90 30 54.93 | 4,002   |
| Rd. fork NE. -----  | 38 07 12.4  | 90 31 33.7  | 3,151   |
| Center of concrete culvert at rd. fork NE. -----  | 38 07 24.7  | 90 32 00.8  | 2,497   |
| Center of concrete culvert at rd. fork NW. -----  | 38 07 45.8  | 90 32 40.9  | 3,852   |
| De Soto, center of bridge over Joachim Creek -----  | 38 08 03.9  | 90 33 08.0  | 2,840   |
| De Soto, 31 ft. N. of NE. corner of Missouri Pacific R.R. sta. and in line with E. face, 25 ft. W. of main track, at N. edge of sta. platform, in S. corner of garden plot, 1 ft. W. of concrete mailbox post, in concrete post; standard tablet stamped "T T 8 L 1930 499" ----- | 38 08 20.64 | 90 33 12.93 | 1,739   |
| T-rd. W. -----  | 38 07 36.4  | 90 33 30.0  | 4,677   |
| T-rd. N. -----  | 38 07 36.4  | 90 34 24.6  | 4,362   |
| Rd. fork W. -----   | 38 07 33.9  | 90 34 44.5  | 1,612   |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| De Soto, 2 mi. SW. along State Highway 21, thence 0.7 mi. W. from, in SW 1/4 sec. 4, T. 39 N., R. 4 E., 375 ft. W. of dwelling of Joseph Littlerest, 12 ft. N. and 45 ft. E. from rd. at angle to SW., 55 ft. N. 62° W. of 20-in. oak tree at fence corner, in fence line, in concrete post; standard tablet stamped "T 9 L 1930 734" ----- | 38 07 38.60 | 90 35 28.54 | 3,552    |
| State Highway 21 at rd. SE. -----   | 38 07 44.4  | 90 36 26.4  | 4,660    |
| State Highway 21 at rd. SE. -----   | 38 07 40.4  | 90 36 57.8  | 2,542    |
| De Soto, 2 mi. SW. along State Highway 21, thence 2.8 mi. W. from, in SE 1/4 sec. 6, T. 39 N., R. 4 E., about 0.5 mi. S. of De Soto-Frumet rd., 66 ft. N. and 20 ft. E. from junction of rd. E., in field, 1 ft. E. of fence, in concrete post; standard tablet stamped "T T 10 L 1930 886" -----   | 38 07 38.83 | 90 37 33.47 | 2,855    |
| State Highway 21 at junction of dim rd. W. -----  | 38 07 11.8  | 90 37 34.1  | 2,738    |
| State Highway 21 at crossroad -----   | 38 06 18.8  | 90 37 34.9  | 5,363    |
| T-rd. N. -----  | 38 05 53.0  | 90 37 35.4  | 2,606    |
| Center of wooden bridge at rd. fork S., 30 ft. E. of spring and 50 ft. W. of ford across creek -- Vineland, 45 ft. W. of Missouri Pacific R.R. sta., 27 ft. N. and 22 ft. W. from main track at rd. crossing, 4 ft. NE. of rd. crossing sign, in concrete post; standard tablet stamped "T T 11 L 1930 693" -----                           | 38 05 42.2  | 90 37 02.2  | 2,869    |
| Missouri Pacific R.R. at semaphore 4 74-D -----   | 38 05 39.47 | 90 36 42.80 | 1,579    |
| Big River, center of Missouri Pacific R.R. trestle over -----   | 38 04 58.6  | 90 37 25.5  | 5,359    |
| Missouri Pacific R.R. at rd. crossing (previously described) -----  | 38 04 33.3  | 90 37 32.7  | 2,624    |
|   | 38 03 38.8  | 90 37 03.7  | 5,980    |

5. FROM SEC. 7, T. 39 N., R. 4 E., WEST TO SEC. 12, T. 39 N., R. 2 E., THENCE SOUTHEAST TO BLACKWELL (by J. M. Lawson in 1930)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 10 L 1930 886 (previously described) -----   | 38 07 38.83 | 90 37 33.47 | ..... |
| Rd. fork E. -----  | 38 07 25.3  | 90 38 22.6  | 4,158 |
| Rd. fork SE. -----   | 38 07 32.1  | 90 39 20.5  | 4,677 |
| Center of triangle at rd. fork NW. to Oakland -- Oakland Church, 0.7 mi. W. of, in NW 1/4 sec. 11, T. 39 N., R. 3 E., 0.2 mi. NE. of rd. at crossing of Big River, 170 ft. W. of farmhouse of John Harness, 25 ft. N. and 40 ft. E. from ford across Parker Creek, 18 ft. SE. of 40-in. white-oak tree, 17 ft. S. of old earthen dam, 10 ft. S. and 55 ft. W. from SW. corner of barn, in concrete post; standard tablet stamped "T T 12 L 1930 555" ----- | 38 07 26.3  | 90 39 50.0  | 2,431 |
| Triangular-blazed 24-in. oak tree, 40 ft. SW. of rd. fork SW. -----  | 38 07 28.50 | 90 40 29.75 | 3,188 |
| Center of gate across rd., 150 ft. SW. of rd. fork NW. -----   | 38 07 07.6  | 90 40 47.2  | 2,530 |
| Ford across Big River, about 2.3 mi. W. of, 2.5 mi. NE. of Bliss, at N. edge of timber line, 400 ft. SE. of barn, 12 ft. S. and 20 ft. E. from angle in rd. N., 25 ft. S. and 15 ft. E. from fence corner, 15 ft. S. of rd., in concrete post; standard tablet stamped "T T 13 L 1930 843" -----   | 38 06 49.9  | 90 41 39.3  | 4,534 |
| Center of triangle at rd. fork NW. -----   | 38 06 36.37 | 90 42 53.35 | 6,078 |
| Center of gate at corner of rail fence -----   | 38 06 44.1  | 90 43 06.4  | 1,304 |
| Center of gate across rd. -----  | 38 06 58.3  | 90 43 57.1  | 4,298 |
|  | 38 07 13.1  | 90 44 44.0  | 4,036 |

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

|  |             |             |         |
|--|-------------|-------------|---------|
| Mineral Fork Creek, center of bridge over ----- Bliss, 21 ft. S. and 62 ft. E. from SE. corner of store and post office, 35 ft. E. of highway, 16 ft. N. and 4 ft. W. from NW. corner of barn, 1 ft. inside iron picket fence, in concrete post; standard tablet stamped "T T 15 L 1930 643" ----- | 38 05 26.9  | 90 44 53.9  | (1,544) |
| Old Mines Creek, center of bridge over -----   | 38 05 35.68 | 90 44 25.70 | 2,423   |
| Hub in triangle at rd. fork E. to Fertile and Blackwell, 45 ft. N. 69° 30' E. of 20-in. oak tree in triangle -----   | 38 05 26.1  | 90 43 38.2  | 3,917   |
| Center of gate across private rd. NW. -----  | 38 05 07.9  | 90 43 35.8  | 1,852   |
| Center of ford across creek -----  | 38 04 45.0  | 90 43 06.4  | 3,303   |
| Rd. fork N. -----  | 38 04 38.4  | 90 42 51.4  | 1,301   |
| Fertile, in sec. 27, T. 39 N., R. 3 E., in side of doorsill at Higginbotham dwelling; standard tablet stamped "763" -----  | 38 04 28.5  | 90 41 57.0  | 4,663   |
| Mail box in triangle at junction of private rd. NE. -----  | 38 04 22.63 | 90 41 11.40 | 3,694   |
|  | 38 03 56.5  | 90 39 52.1  | 6,874   |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Maddis Creek, center of ford across -----  | 38 03 46.6  | 90 39 26.8  | 2,119    |
| Blackwell, 1.7 mi. NW. of, 3 mi. SE. of Fertile,<br>6 ft. S. and 44 ft. W. from crossroads, 16 ft.<br>SW. of fence corner, in concrete post;<br>standard tablet stamped "T T 16 L 1930 795" -- | 38 03 15.32 | 90 38 40.07 | 5,022    |
| Center of concrete culvert -----   | 38 02 53.4  | 90 38 05.1  | 3,570    |
| T T 3 L 1930 591 (previously described) -----  | 38 02 41.97 | 90 37 23.13 | 3,555    |

6. FROM POINT ABOUT 1.1 MILES SOUTH OF BLISS SOUTHEAST AND EAST TO SEC. 16,  
T. 38 N., R. 4 E. (by J. M. Lawson in 1930)

|  |            |            |       |
|--|------------|------------|-------|
| Hub in triangle at rd. fork E. (previously<br>described) ----- | 38 05 07.9 | 90 43 35.8 | ..... |
| Salt Pine Creek, center of culvert across -----                | 38 04 37.8 | 90 44 09.8 | 4,075 |
| Old Mines Creek, center of bridge over -----                   | 38 04 03.3 | 90 44 49.2 | 4,705 |

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

|   |             |             |         |
|---|-------------|-------------|---------|
| Triangular blazed 15-in. oak tree, 46 ft. N. of<br>rd. fork NE. -----                     | 38 00 30.6  | 90 44 18.2  | (3,648) |
| Happy Hollow, center of culvert over -----  | 38 00 05.2  | 90 43 29.0  | 4,699   |
| National Pigment Co. R.R. at rd. crossing (in<br>Bonne Terre quadrangle) -----            | 37 59 43.1  | 90 42 58.3  | 3,490   |
| St. Francois-Washington county line, rd. at<br>fence S. (in Bonne Terre quadrangle) ----- | 37 59 59.2  | 90 38 26.0  | .....   |
| Rd. fork SE. -----  | 38 00 09.3  | 90 37 46.3  | 3,563   |
| Big River, center of wooden flood bridge over ---   | 38 00 25.4  | 90 37 18.3  | 2,777   |
| Center of gate across rd. -----   | 38 00 29.0  | 90 36 56.0  | 1,624   |
| T T 4 L 1930 861 (previously described) -----   | 38 00 40.65 | 90 35 50.61 | 5,362   |

7. FROM DE SOTO NORTHEAST ALONG MISSOURI PACIFIC RAILROAD INTO CRYSTAL CITY  
QUADRANGLE (by J. M. Lawson in 1930)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 8 L 1930 499 (previously described) -----   | 38 08 20.64 | 90 33 12.93 | ..... |
| R.R. at crossing of State Highway 21 -----  | 38 08 53.0  | 90 33 02.8  | 3,369 |
| Joachim Creek, center of trestle over -----   | 38 09 27.5  | 90 32 42.4  | 3,848 |
| R.R. at private rd. crossing -----  | 38 09 39.6  | 90 32 21.9  | 2,046 |
| R.R. at private rd. crossing, 213 ft. NE. of<br>trestle 34 -----  | 38 10 20.9  | 90 31 58.5  | 4,576 |
| Victoria, R.R. at rd. crossing at -----   | 38 10 41.2  | 90 31 35.3  | 2,765 |
| R.R. at semaphores 382 and 383 -----  | 38 10 48.2  | 90 30 53.2  | 3,443 |
| Victoria, about 1 mi. NE. of, along Missouri<br>Pacific R.R., in E. end of N. pier of bridge<br>28; standard tablet ----- | 38 10 55.89 | 90 30 29.68 | 2,024 |
| R.R. at private rd. crossing -----  | 38 11 17.8  | 90 30 17.9  | 2,417 |

(Continued in Crystal City quadrangle; see line 6.)

8. FROM CRYSTAL CITY QUADRANGLE AT SEC. 32, T. 41 N., R. 5 E., SOUTHWEST TO  
SEC. 8, T. 40 N., R. 4 E., THENCE SOUTHEAST TO DE SOTO (by J. M. Lawson  
in 1930)

(Continued from Crystal City quadrangle; see line 6.)

|                |            |            |         |
|----------------|------------|------------|---------|
| T-rd. S. ----- | 38 14 57.9 | 90 30 23.3 | (6,577) |
|----------------|------------|------------|---------|

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

|  |             |             |         |
|--|-------------|-------------|---------|
| Center of gate across rd. N. -----   | 38 14 52.7  | 90 32 03.9  | (4,461) |
| Hillsboro, 1.7 mi. NE. of, along Festus Road, in<br>NW 1/4 sec. 35, T. 41 N., R. 4 E., 350 ft. E.<br>of dwelling, 45 ft. N. and 24 ft. W. from<br>crossroads, 2 ft. NW. of fence corner on farm<br>occupied by Ira Langford, in concrete post;<br>standard tablet stamped "T T 22 L 1930 770" -- | 38 14 50.87 | 90 32 47.30 | 3,468   |
| Center of triangle at rd. fork NE. -----   | 38 14 39.1  | 90 33 31.4  | 3,714   |
| Hillsboro, in N 1/2 sec. 3, T. 40 N., R. 4 E.,<br>in cornerstone of courthouse; standard tablet<br>stamped "801" -----   | 38 13 54.48 | 90 33 49.42 | 4,741   |
| T-rd. N. -----   | 38 13 36.5  | 90 33 52.0  | 1,833   |
| Center of triangle at rd. fork S. -----  | 38 13 26.2  | 90 34 55.2  | 5,446   |
| Mail box, 17 ft. W. of rd. fork N. -----   | 38 13 31.1  | 90 35 25.4  | 2,467   |
| Rd. fork SW. -----   | 38 13 27.8  | 90 35 41.4  | 1,315   |
| Hillsboro, 3 mi. SW. of, along Hillsboro-Potosi<br>rd., near center sec. 8, T. 40 N., R. 4 E.,<br>165 ft. N. 27° E. of NE. corner of Seemal<br>School, 22 ft. W. of rd., 5 ft. W. of fence<br>corner, in concrete post; standard tablet<br>stamped "T T 23 L 1930 761" -----                     | 38 12 51.55 | 90 36 13.48 | 4,477   |
| Center of triangle at crossroads -----   | 38 12 09.6  | 90 37 01.5  | 5,720   |
| Rd. at pipe-line crossing -----  | 38 11 55.1  | 90 36 09.8  | 4,381   |
| T-rd. S. -----   | 38 11 43.9  | 90 35 37.4  | 2,621   |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | " "         | " "         | Feet     |
| De Soto, 4.5 mi. NW. of, along Cotter Creek rd.,<br>4 mi. SW. of Hillsboro, in SW 1/4 SW 1/4<br>sec. 16, T. 40 N., R. 4 E., 42 ft. S. and<br>8 ft. W. from junction of rd. N. to Hillsboro,<br>80 ft. N. of farmhouse, 11 ft. SW. of fence<br>corner, in concrete post; standard tablet<br>stamped "T T 24 L 1930 560" ----- | 38 11 35.94 | 90 35 21.97 | 1,473    |
| Dim crossroad -----  | 38 11 30.5  | 90 35 03.0  | 1,608    |
| Cotter Creek, center of bridge over -----  | 38 11 02.5  | 90 34 30.2  | 3,865    |
| Crossroads -----   | 38 10 31.8  | 90 34 30.0  | 3,104    |
| De Soto, 2.8 mi. NW. of, along State Highway<br>21 (?), in N 1/2 sec. 27, T. 40 N., R. 4 E.,<br>60 ft. SE. of SE. corner of New Liberty School,<br>80 ft. N. end 55 ft. W. from junction of rd.<br>W., in concrete post; standard tablet stamped<br>"T T 25 L 1930 687" -----  | 38 10 29.77 | 90 33 57.21 | 2,629    |
| Rd. fork W. -----  | 38 09 44.0  | 90 33 14.2  | 5,761    |
| Center of bridge over creek -----  | 38 09 30.6  | 90 33 01.8  | 1,686    |
| R.R. at crossing of State Highway 21 -----   | 38 08 53.0  | 90 33 02.8  | 3,808    |
| T T 8 L 1930 499 (previously described) -----  | 38 08 20.64 | 90 33 12.93 | 3,369    |

9. FROM SEC. 18, T. 40 N., R. 4 E., SOUTH TO SEC. 7, T. 39 N., R. 4 E.  
(by J. M. Lawson in 1930)

|   |             |             |       |
|---|-------------|-------------|-------|
| Center of triangle at crossroads (previously<br>described) -----  | 38 12 09.6  | 90 37 01.5  | ..... |
| Rd. fork W. -----   | 38 11 44.7  | 90 37 17.8  | 2,835 |
| T-rd. E. -----  | 38 11 27.2  | 90 37 11.2  | 1,849 |
| De Soto, 5.6 mi. NW. of, in S 1/2 sec. 19,<br>T. 40 N., R. 4 E., 34 ft. N. and 17 ft. W.<br>from junction of Ware Road and Hillsboro-Potosi<br>rd., 12 ft. N. of fence corner, 1 ft. W. of<br>fence, in concrete post; standard tablet<br>stamped "T T 26 L 1930 804" ----- | 38 10 42.59 | 90 37 19.29 | 4,557 |
| Center of triangle at rd. forks SW. to Vineland -   | 38 10 24.1  | 90 36 40.7  | 3,609 |
| Center of culvert at junction of private rd. E. -   | 38 09 41.5  | 90 36 47.0  | 4,336 |
| Crossroads -----  | 38 09 14.9  | 90 36 50.5  | 2,708 |
| Center of triangle at rd. fork N. -----   | 38 08 09.3  | 90 36 56.0  | 6,651 |
| Triangle at rd. fork S. -----   | 38 08 03.0  | 90 37 33.5  | 3,060 |
| T T 10 L 1930 886 (previously described) -----  | 38 07 38.83 | 90 37 33.47 | 2,516 |

10. FROM SEC. 8, T. 40 N., R. 4 E., NORTH INTO PACIFIC QUADRANGLE AT  
SEC. 31, T. 41 N., R. 4 E. (by J. M. Lawson in 1930)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 23 L 1930 761 (previously described) ----- | 38 12 51.55 | 90 36 13.48 | ..... |
| Center of triangle at rd. fork SW. -----       | 38 13 35.7  | 90 36 04.8  | 4,519 |
| Rd. fork SW. -----                             | 38 13 55.6  | 90 36 38.2  | 3,350 |
| Center of gate across private rd. E. -----     | 38 14 15.4  | 90 36 34.1  | 2,050 |
| Junction of dim rd. NE. -----                  | 38 14 42.7  | 90 36 35.8  | 2,758 |

(Continued in Pacific quadrangle; see line 4.)

11. FROM RICHWOODS QUADRANGLE AT SEC. 31, T. 40 N., R. 3 E., NORTH TO  
SEC. 9, T. 40 N., R. 3 E., THENCE EAST TO WARE, THENCE SOUTHEAST TO  
SEC. 19, T. 40 N., R. 4 E. (by J. M. Lawson in 1930)  
(Continued from Richwoods quadrangle; see line 4.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Rd. forks on W. bank of Calico Creek -----   | 38 09 27.2  | 90 44 20.5  | (6,989) |
| Fletcher, in sec. 31, T. 40 N., R. 3 E., 54 ft.<br>W. of SW. corner of storage shed, 110 ft. N.<br>52° 50' W. of rd. forks, 27 ft. N. of rd., in<br>concrete post; standard tablet stamped "T T<br>40 L 1930 572" -----  | 38 09 54.89 | 90 44 07.53 | 2,985   |
| Wooden mail box at slight curve in rd. -----   | 38 10 23.0  | 90 44 53.7  | 4,654   |
| Center of triangle at rd. fork N. -----  | 38 10 35.1  | 90 45 16.8  | 2,221   |
| Rd. fork NE. -----   | 38 11 01.1  | 90 44 56.2  | 3,110   |
| Rd. fork N. -----  | 38 11 38.1  | 90 44 51.4  | 3,760   |
| Fletcher, 3.5 mi. NW. of, along rd. to Grubville<br>and Browns Ford, in sec. 18, T. 40 N.,<br>R. 3 E., 57 ft. N. of center of triangle at<br>rd. forks, 10 ft. N. 65° E. and 10 ft. N. 65°<br>W. from two, blazed oak trees, in concrete<br>post; standard tablet stamped "T T 41 L 1930<br>804" -----                       | 38 12 04.24 | 90 44 34.66 | 2,960   |
| Rd. fork NW. -----   | 38 12 28.6  | 90 43 48.4  | 4,444   |
| Triangular-blazed 27-in. oak tree in rd. forks at<br>curve in main rd. -----   | 38 12 33.8  | 90 43 10.7  | 3,052   |
| Oak tree in triangle at rd. fork N. -----  | 38 12 47.0  | 90 43 03.1  | 1,465   |
| Big River at Browns Ford, center of bridge over<br>Ware, 2 mi. W. of, in sec. 9, T. 40 N., R. 3 E.,<br>0.5 mi. E. of bridge over Big River at Browns<br>Ford, 18 ft. N. and 100 ft. W. from rd. forks,<br>57 ft. N. 60° E. of mail boxes on wheel, in<br>concrete post; standard tablet stamped "T T<br>42 L 1930 685" ----- | 38 12 44.9  | 90 42 21.7  | 3,316   |
|  | 38 12 43.30 | 90 41 57.20 | 1,961   |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Center of corded culvert over private rd. S. ----  | 38 12 40.5  | 90 41 12.2  | 3,602    |
| Center of triangle of rd. fork SW. -----   | 38 12 45.8  | 90 40 02.4  | 5,602    |
| Ware, near center sec. 11, T. 40 N., R. 3 E.,<br>near post office, on N. bank of Dry Creek, in<br>sandstone ledge; copper bolt stamped "552" ----  | 38 12 48.82 | 90 39 46.13 | 1,332    |
| Junction of dim rd. W. -----   | 38 12 11.1  | 90 39 43.1  | 3,827    |
| Ware, 2 mi. SE. of, along Ware Road, in SW 1/4<br>sec. 13, T. 40 N., R. 3 E., 34 ft. N. and 33<br>ft. W. from junction of rd. W., in concrete<br>post; standard tablet stamped "T T 43 L 1930" - | 38 11 31.64 | 90 38 50.01 | 5,820    |
| Rd. fork SW. -----   | 38 11 07.8  | 90 38 31.5  | 2,834    |
| Center of triangle of rd. fork SW. -----   | 38 10 44.9  | 90 37 51.6  | 3,934    |
| T T 26 L 1930 804 (previously described) -----   | 38 10 42.59 | 90 37 19.29 | 2,591    |

12. FROM SEC. 18, T. 40 N., R. 3 E., NORTH INTO RICHWOODS QUADRANGLE AT  
SEC. 12, T. 40 N., R. 2 E. (by J. M. Lawson in 1930)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 41 L 1930 804 (previously described) -----                              | 38 12 04.24 | 90 44 34.66 | ..... |
| Triangular-blazed 24-in. oak tree, 60 ft. SW. of<br>rd. forks -----         | 38 12 16.4  | 90 44 41.9  | 1,357 |
| Triangular-blazed 24-in. oak tree in NW. corner<br>angle of rd. forks ----- | 38 13 06.6  | 90 44 56.9  | 5,216 |

(Continued in Richwoods quadrangle; see line 5.)

13. FROM SEC. 31, T. 40 N., R. 3 E., WEST ALONG COUNTY ROUTE H INTO RICHWOODS  
QUADRANGLE (by C. D. Craig in 1935)

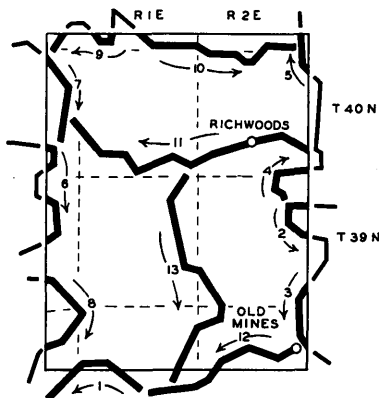
|  |             |             |       |
|--|-------------|-------------|-------|
| T T 40 L 1930 572 (previously described) -----         | 38 09 54.89 | 90 44 07.53 | ..... |
| U.S.C. & G.S. standard disk stamped "Q 130 1935" ----- | 38 09 55.73 | 90 44 08.91 | 140   |

(Continued in Richwoods quadrangle; see line 11.)

Magnetic declination in 1930, 5° 15' E.

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

Franklin, Jefferson, and Washington Counties



1. FROM SEC. 34, T. 38 N., R. 1 E., WEST TO SEC. 36, T. 38 N., R. 1 W.  
(in Potosi quadrangle; by Sledge Tatum in 1904)

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Latty, 1.4 mi. SW. of, 1,000 ft. W. of Fourche<br>a Renault Creek, 54 ft. W. of springhouse,<br>opposite Bill Lewis' dwelling, in ledge of<br>natural stone; aluminum tablet stamped "Prim<br>Trav Sta No 79 1913 790" ----- | 37 58 47.27 | 90 55 00.93 | .....    |
| 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    |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 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    |

2. FROM DE SOTO QUADRANGLE AT SEC. 12, T. 39 N., R. 2 E., SOUTH AND EAST INTO DE SOTO QUADRANGLE AT POINT ABOUT 1 MILE NORTHWEST OF BLISS (by J. M. Lawson in 1930)  
(Continued from De Soto quadrangle; see line 5.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Center of gate across rd. -----   | 38 07 18.3  | 90 45 33.4  | (3,983) |
| Bliss, 3 mi. NW. of, along County Route B, 235 ft. N. of highway at junction of rd. N., 20 ft. E. of old highway, 14 ft. N. of gate, 1 ft. E. of fence, in concrete post; standard tablet stamped "T T 14 L 1930 874" ----- | 38 07 19.79 | 90 46 13.84 | 3,234   |
| Rd. fork SW. -----  | 38 06 33.8  | 90 45 51.6  | 4,976   |
| Rd. fork W. -----   | 38 05 37.5  | 90 45 07.8  | 6,693   |

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

3. FROM DE SOTO QUADRANGLE AT SEC. 36, T. 39 N., R. 2 E., SOUTH AND EAST INTO DE SOTO QUADRANGLE AT OLD MINES (by J. M. Lawson in 1930)  
(Continued from De Soto quadrangle; see line 6.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Racola, 1.4 mi. N. of, along State Highway 21, at store of John L. Boyer, 8 ft. N. and 50 ft. W. from highway at rd. W., 45 ft. S. and 55 ft. W. from highway at rd. NW., 30 ft. S. and 52 ft. W. from concrete culvert, 40 ft. S. 30° W. of fence corner, in concrete post; standard tablet stamped "T T 17 L 1930" ----- | 38 03 34.26 | 90 45 32.66 | (4,551) |
| Center of culvert N. of dim crossroads -----   | 38 02 49.9  | 90 45 32.8  | 4,487   |
| Rd. fork SW. -----   | 38 02 13.9  | 90 45 28.0  | 3,658   |
| State Highway 21 at rd. E. -----   | 38 01 35.2  | 90 45 16.9  | 4,818   |
| Old Mines, on W. side of Old Mines Creek, 100 ft. E. of State Highway 21, 100 ft. S. 48° 30' W. from SW. corner of store of G. S. Wallace, 7 ft. E. of NW. corner of fence around Wallace dwelling, on N. side of fence, in concrete post; standard tablet stamped "T T 18 L 1930 797" -----                               | 38 00 49.30 | 90 45 20.31 | 4,645   |
| R.R. (name unknown) at rd. crossing -----  | 38 00 39.4  | 90 45 02.4  | 1,747   |

(Continued in De Soto quadrangle; see line 6.)

4. FROM POINT 3 MILES NORTHWEST OF BLISS, NORTH AND EAST INTO DE SOTO QUADRANGLE AT SEC. 31, T. 40 N., R. 3 E. (by J. M. Lawson in 1930)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 14 L 1930 874 (previously described) -----   | 38 07 19.79 | 90 46 13.84 | ..... |
| Tree in triangle at rd. fork NE. -----   | 38 07 26.7  | 90 46 31.2  | 1,554 |
| Calico Creek, center of small wooden culvert over Center of iron gate across pipe-line at rd. fork S. through gate -----   | 38 07 58.6  | 90 46 28.5  | 3,232 |
| Rd. fork SE. -----   | 38 08 12.4  | 90 47 18.8  | 4,260 |
| Bliss, 6.2 mi. NE. of, 3 mi. SW. of Fletcher, 20 ft. S. and 11 ft. W. from dim rd. fork S. through gate, 25 ft. S. of T-fence S., 11 ft. W. of center of gate, in concrete post; standard tablet stamped "T T 39 L 1930" ----- | 38 08 23.9  | 90 47 24.9  | 1,265 |
| Triangular-blazed 24-in. elm tree at rd. corner on bank of Calico Creek -----  | 38 08 37.62 | 90 46 21.49 | 5,252 |
|  | 38 08 36.6  | 90 45 20.1  | 4,906 |

(Continued in De Soto quadrangle; see line 11.)

5. FROM DE SOTO QUADRANGLE AT SEC. 12, T. 40 N., R. 2 E., NORTH INTO ST. CLAIR QUADRANGLE AT SEC. 36, T. 41 N., R. 2 E. (by J. M. Lawson in 1930)  
(Continued from De Soto quadrangle; see line 12.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Center of gate across dim rd. N. at corner in main rd. from S.-W. -----   | 38 14 10.2  | 90 45 08.5  | (6,501) |
| Grubville, 3.9 mi. SE. of, along rd. to Fletcher, on line between secs. 1 and 36, Tps. 40 and 41 N., R. 2 E. E., 18 ft. S. and 59 ft. W. from rd. fork E., 14 ft. W. of oak tree in fence corner, in concrete post; standard tablet stamped "T T 44 L 1930 643" ----- | 38 14 08.99 | 90 45 20.07 | 932     |

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

| Station   | Latitude  | Longitude   | Distance                         |
|---|---|---|----------------------------------|
|   | a i "   | o i "   | Feet                             |
| 6. FROM BOURBON QUADRANGLE AT SEC. 35, T. 40 N., R. 1 W., SOUTH INTO BOURBON QUADRANGLE AT SEC. 14, T. 39 N., R. 1 W. (by G. L. Krattler in 1934)<br>(Continued from Bourbon quadrangle; see line 5.)   |   |   |                                  |
| T. 40 N., R. 1 W., in NE 1/4 sec. 35, 12 mi. SE. of Sullivan, 16 ft. N. of rd., 31 ft. W. of SW. corner of barn on property of Stroys Straup, 6 ft. N. of E.-W. fence, in concrete post; standard tablet stamped "909 C W A 1934 641" - New Hope Church, SE. corner of -----  | 38 09 49.32<br>38 09 02.4                             | 90 59 29.95<br>90 59 46.0                             | (4,141)<br>4,958                 |
| (For balance in Bourbon quadrangle, see line 5.)  |   |   |                                  |
| T. 39 N., R. 1 W., in NE 1/4 sec. 11, 20 ft. E. of rd. fork NW., 16 ft. NE. of E. end of pipe culvert, 3 ft. E. of E. bank of new rd., in concrete post; standard tablet stamped "910 C W A 1934 885" -----   | 38 07 29.06<br>38 07 01.6<br>38 06 44.6               | 90 59 48.35<br>90 59 36.2<br>90 59 33.6               | (2,063)<br>2,937<br>1,739        |
| T. 39 N., R. 1 W., in SW 1/4 sec. 13, 40 ft. E. of rd. SW., 28 ft. S. of rd. fork SE., in concrete post; standard tablet stamped "911 C W A 1934 970" -----   | 38 06 11.85   | 90 59 25.57   | 3,370                            |
| (Continued in Bourbon quadrangle; see line 6.)  |   |   |                                  |
| 7. FROM BOURBON QUADRANGLE AT SEC. 2, T. 40 N., R. 1 W., SOUTH TO SEC. 35, T. 40 N., R. 1 W. (by G. L. Krattler in 1934)<br>(Continued from Bourbon quadrangle; see line 4.)  |   |   |                                  |
| Rd. forks near triangular-blazed tree -----   | 38 14 01.3  | 90 59 53.3  | (2,910)                          |
| Junction of dim rd. near triangular-blazed tree - Rd. at fences E. and W. -----   | 38 13 48.2<br>38 13 53.4                              | 90 59 37.5<br>90 59 19.4                              | 1,832<br>1,538                   |
| T. 40 N., R. 1 W., sec. 12, 180 ft. N. and 35 ft. E. from stone at center of SE 1/4 of, 11.8 mi. E. of Sullivan, along E.-W. rd. through park and N. along Indian Creek, 35 ft. E. of N.-S. county rd., on lawn in front of dwelling of L. L. Kreisenkamp, in concrete post; standard tablet stamped "921 C W A 1934" ----- | 38 12 52.49<br>38 12 08.4                             | 90 58 28.36<br>90 58 47.3                             | 7,390<br>4,711                   |
| Fence corner at rd. corner -----  | 38 11 30.3  | 90 58 48.1  | 3,850                            |
| Center of triangle at rd. forks near triangular-blazed tree -----   | 38 10 47.8  | 90 58 50.0  | 4,301                            |
| T. 40 N., R. 1 W., center sec. 24, iron pin (by local information) -----  |   |   |                                  |
| Hulsey School, in NE 1/4 SW 1/4 sec. 24, T. 40 N., R. 1 W., 78 ft. E. of schoolhouse door, 15 ft. E. of rd., 5 ft. W. of rail fence, in concrete post; standard tablet stamped "922 C W A 1934 614" -----   | 38 10 38.65<br>38 09 49.32                            | 90 58 52.00<br>90 59 29.95                            | 945<br>5,838                     |
| 909 C W A 1934 641 (previously described) -----   |   |   |                                  |
| 8. FROM BOURBON QUADRANGLE AT SEC. 26, T. 39 N., R. 1 W., SOUTH INTO BOURBON QUADRANGLE AT SEC. 14, T. 38 N., R. 1 W. (by G. L. Krattler in 1934)<br>(Continued from Bourbon quadrangle; see line 9.)   |   |   |                                  |
| T. 39 N., R. 1 W., in SW 1/4 sec. 25, 34 ft. S. of Potosi-Sullivan rd., 6 ft. S. of SE. corner of barn lot, near two-story dwelling on land owned by Potosi Abstract Co., in concrete post; standard tablet stamped "924 C W A 1934 821" - Potosi-Sullivan rd. at fence NE. along W. side of creek -----                    | 38 03 59.77<br>38 03 41.8<br>38 03 20.8<br>36 02 54.9 | 90 59 37.75<br>90 59 20.9<br>90 58 52.7<br>90 58 31.3 | 2,596<br>2,260<br>3,102<br>3,128 |
| Two-story log dwelling, NW. corner of -----   |   |   |                                  |
| T. 38 N., R. 1 E. and 1 W., cor. secs. 1, 6, 7, and 12 (?) -----  | 38 02 34.0  | 90 58 28.3  | 2,128                            |
| Page School, in S 1/2 sec. 12, T. 38 N., R. 1 W., 90 ft. S. and 20 ft. W. from SE. corner of schoolhouse, in concrete post; standard tablet stamped "925 C W A 1934 864" -----  | 38 01 53.49   | 90 58 45.89   | 4,331                            |
| T. 38 N., R. 1 W., S. sixteenth cor. sec. 12, at NE. corner of land owned by Jessie Eaton, 25 ft. N. of small frame dwelling -----  | 38 01 45.9<br>38 01 36.5                              | 90 59 02.6<br>90 59 18.1                              | 1,540<br>1,558                   |
| Chickenyard of Jessie Eaton, NW. corner of -----  |   |   |                                  |
| (Continued in Bourbon quadrangle; see line 9.)  |   |   |                                  |



| Station   | Latitude  | Longitude   | Distance   |
|---|---|---|--|
|   | ° ' "   | ° ' "   | Feet   |
| 9. FROM ST. CLAIR QUADRANGLE AT SEC. 32, T. 41 N., R. 1 E., WEST INTO<br>BOURBON QUADRANGLE AT SEC. 2, T. 40 N., R. 1 W. (by C. D. Craig<br>in 1935)<br>(Continued from St. Clair quadrangle; see line 7.)  |   |   |  |
| Forty-in. hickory tree in triangle at rd. forks -<br>Indian Creek Baptist Church, about 200 ft. SW.<br>of, in SE 1/4 sec. 31, T. 41 N., R. 1 E.,<br>75 ft. S. and 20 ft. W. from T-rd. S., 1 ft.<br>W. of fence, in concrete post; standard tablet<br>stamped "T T 1701 E R A 1935 592" -----               | 38 14 42.5<br><br><br><br><br><br><br><br><br><br>38 14 50.04 | 90 56 33.7<br><br><br><br><br><br><br><br><br><br>90 57 10.67 | (4,672)<br><br><br><br><br><br><br><br><br><br>3,048 |
| (For balance in St. Clair quadrangle, see line 6.)  |   |   |  |
| Rd. at fences N. and S. on line between secs. 35<br>and 36, T. 41 N., R. 1 W. -----   | 38 14 34.8  | 90 59 20.8  | (3,970)  |
| T. 41 N., R. 1 W., approximate E. sixteenth cor.<br>on S. line sec. 35 (?), rd. at fence N. -----   | 38 14 31.5  | 90 59 38.9  | 1,477  |
| T T 920 C W A 1934 817 (In Bourbon quadrangle;<br>see line 4.) -----  | 38 14 29.44   | 91 00 00.67   | 1,753  |
| 10. FROM ST. CLAIR QUADRANGLE AT SEC. 34, T. 41 N., R. 1 E., EAST TO<br>SEC. 1, T. 40 N., R. 2 E. (by C. D. Craig in 1935)<br>(Continued from St. Clair quadrangle; see line 9.)  |   |   |  |
| Rd. at fence E. -----   | 38 14 51.2  | 90 54 24.6  | (2,838)  |
| T. 41 N., R. 1 E., in SE 1/4 sec. 34, 2 ft. N.<br>and 145 ft. E. from NE. corner of dwelling of<br>G. Derker, 28 ft. S. of rd., 3 ft. N. and 12<br>ft. W. from W. gatepost, in concrete post;<br>standard tablet stamped "T T 1702 E R A 1935<br>819" -----   | 38 14 30.98   | 90 53 53.85   | 3,199  |
| T. 41 N., R. 1 E., approximate S. sixteenth cor.<br>sec. 35, 22 ft. N. of crossroads -----  | 38 14 36.2  | 90 53 07.3  | 3,750  |
| County Route B at crossroad, 10 ft. N. and 85 ft.<br>E. from concrete block at center of SW 1/4<br>sec. 36, T. 41 N., R. 1 E. -----   | 38 14 35.5  | 90 52 14.7  | 4,205  |
| T. 41 N., R. 1 E., approximate S. sixteenth cor.<br>on E. side sec. 36, rd. at fence S. (local<br>information) -----  | 38 14 35.1  | 90 51 25.0  | 3,965  |
| T. 41 N., R. 2 E., 216 ft. S. and 2 ft. E. from<br>stone at S. sixteenth cor. sec. 31, 30 ft. S.<br>of rd., in NE. corner of yard of J. M. Mester,<br>1 ft. W. of fence, in concrete post; standard<br>tablet stamped "T T 1703 E R A 1935 734" -----   | 38 14 33.01   | 90 50 50.11   | 2,792  |
| T. 40 N., R. 2 E., approximate N. cor. secs. 5<br>and 6, T-rd. S. -----   | 38 14 22.0<br>38 14 22.6                                      | 90 50 40.9<br>90 49 40.9                                      | 1,955<br>3,920                                       |
| Rd. at rail fence N. -----  |   |   |  |
| T. 41 N., R. 2 E., S. cor. secs. 32 and 33,<br>stone, 30 ft. S. and 25 ft. W. from center of<br>triangle at rd. forks, 64 ft. E. of stone at<br>N. cor. secs. 4 and 5, T. 40 N., R. 2 E. -----  | 38 14 24.8<br>38 13 50.6                                      | 90 49 07.1<br>90 48 48.7                                      | 2,706<br>3,749                                       |
| Rd. at fences E. and W. -----   |   |   |  |
| Maupin, 2 mi. SW. of, 45 ft. S. and 350 ft. W.<br>from stone at W. sixteenth cor. between secs. 4<br>and 9, T. 40 N., R. 2 E., 80 ft. N. of dwell-<br>ing, 27 ft. N. and 57 ft. E. from rd. forks,<br>17 ft. N. of rd. NE., in concrete post;<br>standard tablet stamped "T T 1704 E R A 1935<br>857" ----- | 38 13 23.33<br>38 13 35.0                                     | 90 48 54.57<br>90 48 32.0                                     | 2,804<br>2,141                                       |
| Rd. at fences N. and S. -----   |   |   |  |
| Rd. at double fence N., 170 ft. S. of stone at<br>quarter cor. between secs. 3 and 4, T. 40 N.,<br>R. 2 E. -----  | 38 13 48.4<br>38 13 53.5                                      | 90 47 56.5<br>90 47 40.7                                      | 3,154<br>1,360                                       |
| Rd. fork S. -----   |   |   |  |
| Maupin, 0.2 mi. S. of post office, rd. at fences<br>E. and W. -----   | 38 14 16.0  | 90 47 04.4  | 3,685  |
| Corner of fences E., W., and S., on N. edge of<br>valley of Maupin Creek -----  | 38 14 26.7  | 90 46 42.2  | 2,080  |
| Corner of fences E., W., and S., 11 ft. W. of<br>fence N., on N. edge of valley of Maupin Creek-<br>Center of concrete culvert -----  | 38 14 24.9<br>38 14 26.9<br>38 14 08.99                       | 90 46 11.2<br>90 45 22.8<br>90 45 20.07                       | 2,480<br>3,871<br>1,824                              |
| T T 44 L 1930 643 (previously described) -----  |   |   |  |
| 11. FROM DE SOTO QUADRANGLE WEST ALONG COUNTY ROUTE H TO RICHWOODS, THENCE<br>WEST ALONG ROADS TO SEC. 24, T. 40 N., R. 1 W. (by C. D. Craig in 1935)<br>(Continued from De Soto quadrangle; see line 13.)  |   |   |  |
| Highway at fences N. and S. -----   | 38 09 56.8  | 90 45 17.5  | (5,477)  |
| Highway at fence SE. on line between Jefferson<br>and Washington Counties -----   | 38 10 00.6  | 90 45 39.4  | 1,790  |
| Junction of rd. NE. -----   | 38 10 02.9  | 90 45 53.4  | 1,145  |
| Center of concrete culvert near schoolhouse -----   | 38 10 12.6  | 90 46 35.9  | 3,533  |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Richwoods, 3 mi. E. of, along County Route H, 165 ft. E. of entrance to farmhouse, 30 ft. S. of highway, 60 ft. S. and 25 ft. E. from SE. corner of garden fence, 2 ft. N. of right-of-way fence, in concrete post; standard tablet stamped "T T 1705 E R A 1935 821" -----  | 38 10 09.28 | 90 47 09.95 | 2,741    |
| Highway at fence S. -----  | 38 09 51.8  | 90 48 04.8  | 4,714    |
| Junction of County Route B -----   | 38 09 57.8  | 90 48 50.8  | 3,740    |
| Junction of rd. S. -----   | 38 09 47.5  | 90 49 16.3  | 2,286    |
| Richwoods, 0.3 mi. E. of post office, 64 ft. S. and 5 ft. W. from center of bridge over creek, 1 ft. N. and 11 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 1706 E R A 1935 769" -----   | 38 09 31.03 | 90 49 43.34 | 2,725    |
| Rd. at fence N. -----  | 38 09 26.3  | 90 49 59.5  | 1,377    |
| Crossroads -----   | 38 09 22.1  | 90 50 21.7  | 1,824    |
| Rd. at fence N. -----  | 38 09 00.7  | 90 50 49.1  | 3,078    |
| Rd. at fence N., 15 ft. S. of approximate SE. cor. sec. 36, T. 40 N., R. 1 E. (?) -----  | 38 08 59.3  | 90 51 25.0  | 2,873    |
| Rd. fork S. -----  | 38 08 49.8  | 90 52 08.5  | 3,605    |
| Richwoods, 3 mi. W. of, in SE 1/4 sec. 35, T. 40 N., R. 1 E., 10 ft. N. and 30 ft. W. from junction of dim rd. N., 16 ft. W. of triangular-blazed 22-in. white-oak tree, in concrete post; standard tablet stamped "1707 E R A 1935 961" -----   | 38 09 04.16 | 90 52 56.40 | 4,094    |
| Rd. fork NW., 8 ft. S. of triangular-blazed 20-in. white-oak tree -----  | 38 08 53.5  | 90 53 36.3  | 3,368    |
| Rd. at picket fence at N. end of garden near log cabin -----   | 38 08 55.5  | 90 54 16.8  | 3,238    |
| T. 39 N., R. 1 E., N. cor. secs. 3 and 4, pile of rocks, 5 ft. S. and 1 ft. W. from 7-in. white-oak tree at NE. corner of farm of J. C. Bourbon -----  | 38 08 58.8  | 90 54 55.2  | 3,094    |
| T. 40 N., R. 1 E., in SW 1/4 sec. 33, 40 ft. N. of Richwoods-Sullivan rd. at rd. S. to Potosi, 22 ft. N. and 88 ft. E. from SE. corner of dwelling of Albert Glorod, in concrete post; standard tablet stamped "T T 1706 E R A 1935 748" -----   | 38 09 06.97 | 90 55 31.36 | 3,000    |
| Rd. at fence S. -----  | 38 09 08.8  | 90 56 01.6  | 2,421    |
| Rd. at rail fence S., 335 ft. N. of fence corner -----   | 38 09 42.2  | 90 57 09.0  | 6,360    |
| Rd. at point 45 ft. S. of creek, 8 ft. E. of triangular-blazed 30-in. elm tree -----   | 38 10 11.8  | 90 57 33.4  | 3,576    |
| Hulsey School, 1 mi. N. and 1 mi. E. from, in SE 1/4 SW 1/4 sec. 19, T. 40 N., R. 1 E., about 0.5 mi. SE. of dwelling of N. A. Strauss, 95 ft. E. of triangular-blazed 24-in. oak tree on E. bank of Dry Branch, 47 ft. E. of rd., 24 ft. N. and 12 ft. W. from triangular-blazed 40-in. linden tree, at N. end of cultivated field, in concrete post; standard tablet stamped "1709 E R A 1935 624" ----- | 38 10 45.50 | 90 57 46.63 | 3,566    |
| T. 40 N., R. 1 W., E. quarter cor. sec. 24, pile of rocks (local information) -----  | 38 11 03.3  | 90 58 19.4  | 3,178    |
| Rd. in line with S. side of farmhouse of E. E. Huffman -----   | 38 11 22.0  | 90 58 51.9  | 3,210    |
| 922 C W A 1934 614 (previously described) -----  | 38 10 38.65 | 90 58 52.00 | 4,387    |

12. FROM OLD MINES SOUTHWEST TO SEC. 34, T. 38 N., R. 1 E., INCLUDING THAT PART OF THE LINE IN POTOSI QUADRANGLE (by C. D. Craig in 1935)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 18 L 1930 797 (previously described) -----   | 38 00 49.30 | 90 45 20.31 | ..... |
| State Highway 21 at rd. SW. -----  | 38 00 30.9  | 90 45 38.0  | 2,338 |
| Rd. at point 15 ft. N. of triangular-blazed 24-in. post-oak tree -----   | 38 00 24.0  | 90 46 40.7  | 5,073 |
| Rd. fork N., 5 ft. N. and 12 ft. W. from triangular-blazed 14-in. post-oak tree, 495 ft. N. and 277 ft. E. from rd. fork S. -----  | 38 00 19.0  | 90 47 03.0  | 1,858 |
| T. 38 N., R. 2 E., center of NW 1/4 sec. 23, pile of rocks at NW. corner of Warden farm -----  | 38 00 20.2  | 90 47 35.8  | 2,629 |
| Rd. at rail fence N. along W. end of garden -----  | 38 00 28.6  | 90 48 13.0  | 3,097 |
| Old Mines, 3.4 mi. W. of, on Old Mines-Steelville rd., about 600 ft. S. of quarter cor. between secs. 15 and 22, T. 38 N., R. 2 E., on top of divide between forks of Arnolds Branch, 20 ft. N. and 17 ft. W. from crossroads, in concrete post; standard tablet stamped "1710 E R A 1935 979" ----- | 38 00 25.21 | 90 48 33.72 | 1,694 |
| NE. corner of log cabin -----  | 38 00 24.5  | 90 49 01.7  | 2,245 |
| Aptus-Potosi rd. at rd. W. to Latty -----  | 38 00 16.1  | 90 49 28.9  | 2,334 |
| 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 Pollette -----  | 37 59 44.9  | 90 50 00.1  | 1,469 |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 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, near quarter cor. between secs. 29 and 30, T. 38 N., R. 2 E., 450 ft. NW. of Pleasant Hill Christian Church, 65 ft. W. of crossroads, 2 ft. N. and 10 ft. W. from 20-in. oak tree at fence corner, in concrete post; standard tablet stamped "T T 1711 E R A 1935 815" ----- | 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. of rd., 8 ft. E. of gate to yard of William Atkins, in concrete post; standard tablet stamped "T T 1712 E R A 1935 810" -----      | 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    |

13. FROM SEC. 35, T. 40 N., R. 1 E., SOUTH TO SEC. 35, T. 38 N., R. 1 E.,  
INCLUDING THAT PART OF THE LINE IN POTOSI QUADRANGLE (by J. J. Beinlich  
in 1936)

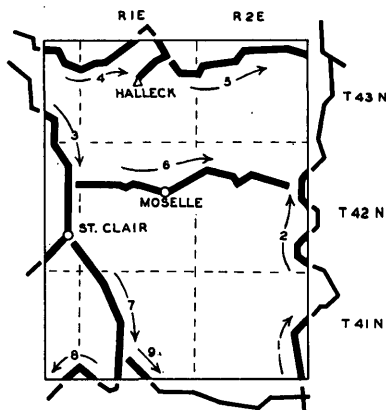
|  |             |             |       |
|--|-------------|-------------|-------|
| T T 1707 E R A 1935 961 (previously described) -   | 38 09 04.16 | 90 52 56.40 | ..... |
| Junction of dim rd. NE. -----  | 38 09 07.1  | 90 52 33.0  | 1,891 |
| Crossroads -----   | 38 08 15.0  | 90 52 37.3  | 5,276 |
| Junction of dim rd. NW. -----  | 38 08 03.2  | 90 53 06.4  | 2,608 |
| Richwoods, 6.2 mi. W. of, in SW 1/4 sec. 11, T. 39 N., R. 1 E., 60 ft. N. and 10 ft. E. from rd. fork E., 35 ft. E. of rd., in concrete post; standard tablet stamped "T T 30 J J 1936" -----  | 38 07 37.08 | 90 53 36.36 | 3,567 |
| Rd. fork N. -----  | 38 07 10.6  | 90 53 22.7  | 2,894 |
| Junction of dim rd. SW. -----  | 38 06 28.0  | 90 52 57.4  | 4,762 |
| T. 39 N., R. 1 E., cor. secs. 13, 14, 23, and 24 (?), pile of rocks, 150 ft. W. of rd., 700 ft. N. of pipe-line -----  | 38 06 11.6  | 90 52 53.8  | 1,682 |
| Rd. fork SE. -----   | 38 05 41.7  | 90 52 46.7  | 3,071 |
| Richwoods, 9.2 mi. S. and W. from, on Bearwallow Farm, 45 ft. S. and 105 ft. E. from pile of sandstone at cor. secs. 23, 24, 25, and 26, T. 39 N., R. 1 E., 22 ft. E. of rd., 45 ft. S. and 2 ft. E. from NW. corner of rail and wire fence, in concrete post; standard tablet stamped "T T 31 J J 1936" -----               | 38 05 17.92 | 90 52 52.59 | 2,454 |
| Junction of lane E. -----  | 38 04 59.1  | 90 52 50.2  | 1,913 |
| Rd. fork N. -----  | 38 04 41.2  | 90 51 45.6  | 5,470 |
| Rd. fork W. -----  | 38 04 07.9  | 90 50 49.6  | 5,604 |
| Aptus, 1.7 mi. N. of old post office, along Aptus-Richwoods rd., in NW 1/4 sec. 32, T. 39 N., R. 2 E., 0.4 mi. S. of junction of Bearwallow Ridge rd., 75 ft. S. of hilltop, 10 ft. E. of rd., 20 ft. N. and 7 ft. W. from painted 12-in. post-oak tree, in limestone ledge; standard tablet stamped "T T 32 J J 1936" ----- | 38 03 48.85 | 90 50 37.61 | 2,156 |
| Rd. fork N. at rail fence W. -----   | 38 03 17.6  | 90 50 23.4  | 3,359 |
| Rd. fork NW. -----   | 38 02 56.6  | 90 50 20.2  | 2,136 |
| Old site of Aptus post office, rd. forks at -----  | 38 02 27.5  | 90 50 27.6  | 3,005 |
| Rd. fork SW. -----   | 38 02 15.6  | 90 51 12.4  | 3,783 |
| Aptus, 1.4 mi. S. and W. from old post office, along Aptus-Latty rd., in SE 1/4 NE 1/4 sec. 12, T. 38 N., R. 1 E., 85 ft. N. and 25 ft. E. from T-rd. N., 30 ft. N. and 10 ft. E. from rail fence corner, in limestone ledge; standard tablet stamped "T T 33 J J 1936" -----  | 38 01 58.88 | 90 52 02.42 | 4,344 |
| T. 38 N., R. 1 E., W. quarter cor. between secs. 13 and 14, iron pin at wire fence corner- -----   | 38 01 41.0  | 90 51 53.4  | 1,945 |
| T. 38 N., R. 1 E., in SW 1/4 NE 1/4 sec. 13, 500 ft. NE. of log dwelling, 16 ft. S. of SE. corner of springhouse, 4 ft. S. and 4 ft. W. from 30-in. elm tree at fence corner; iron post stamped "709" -----  | 38 01 06.06 | 90 52 16.16 | 3,981 |
| Latty, 2.4 mi. N. of old site of post office, along Aptus-Latty rd., in NE 1/4 NW 1/4 sec. 24, T. 38 N., R. 1 E., 500 ft. S. of T-rd. N. at church, 140 ft. S. and 155 ft. E. from T-rd. S., 15 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 34 J J 1936" -----                     | 38 00 39.26 | 90 52 42.24 | 3,421 |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 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 | 3,338    |

Magnetic declination 5° 17' E.

ST. CLAIR QUADRANGLE  
(Latitude 38°15'-38°30'; longitude 90°45'-91°00')

Franklin and Jefferson Counties



1. FROM RICHWOODS QUADRANGLE AT SEC. 36, T. 41 N., R. 2 E., NORTH AND EAST INTO PACIFIC QUADRANGLE AT SEC. 12, T. 41 N., R. 2 E. (by J. M. Lawson in 1930)

(Continued from Richwoods quadrangle; see line 5.)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Center of triangle at rd. fork SE. at creek crossing -----  | 38 15 32.6  | 90 45 21.5  | (8,453)  |
| Junction of dim rd. S. -----  | 38 16 14.4  | 90 45 40.3  | 4,490    |
| Rd. fork S. -----   | 38 16 59.0  | 90 45 39.4  | 4,513    |
| Grubville, in SW 1/4 sec. 13, T. 41 N., R. 2 E., near post office, in SE. corner of yard of Doctor Davis; iron post stamped "908" ----- | 38 17 18.34 | 90 45 17.55 | 2,617    |

(Continued in Pacific quadrangle; see line 7.)

2. FROM PACIFIC QUADRANGLE AT SEC. 25, T. 42 N., R. 2 E., NORTH INTO PACIFIC QUADRANGLE AT SEC. 12, T. 42 N., R. 2 E. (by J. M. Lawson in 1930)

(Continued from Pacific quadrangle; see line 9.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Center of triangle at rd. fork E. -----  | 38 21 18.1  | 90 45 00.7  | (4,436) |
| (For balance in Pacific quadrangle, see line 9.)   |             |             |         |
| Center of new bridge over creek -----  | 38 22 18.6  | 90 45 10.9  | (2,306) |
| Rd. fork SW. -----   | 38 22 56.9  | 90 45 28.1  | 4,298   |
| Oermann, 7.1 mi. NW. of, along rd. to Pacific, 47 ft. N. and 15 ft. W. from gate across rd. fork W., 29 ft. W. of rd. fork E., inside fence, in concrete post; standard tablet stamped "T T 50 L 1930 611" ----- | 38 23 22.08 | 90 45 23.16 | 2,376   |
| Center of triangle at rd. fork NE. -----   | 38 23 41.5  | 90 45 24.0  | 1,964   |

(Continued in Pacific quadrangle; see line 9.)

3. FROM UNION QUADRANGLE AT SEC. 26, T. 43 N., R. 1 W., SOUTHEAST TO ST. CLAIR, THENCE SOUTHWEST ALONG U.S. HIGHWAY 66 INTO UNION QUADRANGLE (by C. D. Craig in 1935)

|   |             |             |       |
|---|-------------|-------------|-------|
| 970 C 1935 (In Union quadrangle; see line 4.) ---               | 38 26 31.99 | 91 00 23.33 | ..... |
| Bourbeuse River, U.S. Highway 50 at W. end of bridge over ----- | 38 26 39.2  | 90 59 43.2  | 3,272 |
| U.S. Highway 50 at rd. S. -----                                 | 38 26 33.4  | 90 59 27.7  | 1,371 |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Rd. at fence W. -----   | 38 26 07.5  | 90 59 27.3  | 2,617    |
| Rd. at fence E. -----   | 38 25 47.0  | 90 59 25.6  | 2,076    |
| Rd. at fences E. and W. on line between secs. 2 and 35, Tps. 42 and 43 N., R. 1 W. -----  | 38 25 26.7  | 90 59 22.3  | 2,071    |
| T. 43 N., R. 1 W., S. cor. secs. 35 and 36, stone   | 38 25 26.7  | 90 59 07.9  | 1,151    |
| Rd. at lane E. -----  | 38 25 06.8  | 90 59 12.1  | 2,041    |
| Union, 1 mi. E., thence 2 mi. S. from, in SW 1/4 sec. 1, T. 42 N., R. 1 W., 35 ft. E. of rd. at fence N. in line with S. end of dwelling of Henry Kleeper, 3 ft. W. of yard fence, in concrete post; standard tablet stamped "T T 978 E R A 1935 710" ----- | 38 24 40.48 | 90 59 05.57 | 2,717    |
| Rd. at fence E. -----   | 38 24 26.5  | 90 59 05.1  | 1,419    |
| T. 42 N., R. 1 W., approximate quarter cor. between secs. 11 and 12, rd. at fence E. -----  | 38 23 59.8  | 90 59 07.0  | 2,705    |
| Crossroads, 520 ft. E. of cor. secs. 11, 12, 13, and 14, T. 42 N., R. 1 W. -----  | 38 23 33.3  | 90 59 00.9  | 2,718    |
| Rd. at fences E. and W. -----   | 38 23 07.1  | 90 58 47.4  | 2,862    |
| St. Clair, 2 mi. N. of, in NW 1/4 sec. 24, T. 42 N., R. 1 W., 72 ft. N. and 26 ft. E. from T-rd. W., on land owned by George Gephart, 2 ft. N. and 1 ft. W. from yard gate, in concrete post; standard tablet stamped "T T 979 E R A 1935 719" -----        | 38 22 27.18 | 90 58 50.57 | 4,048    |
| Rd. at fence W. -----   | 38 21 59.1  | 90 58 53.0  | 2,846    |
| Rd. at fences E. and W., 430 ft. W. of center of NW 1/4 sec. 25, T. 42 N., R. 1 W. -----  | 38 21 32.5  | 90 58 40.1  | 2,881    |
| U.S. Highway 66 at crossroad -----  | 38 21 18.4  | 90 58 35.0  | 1,485    |
| St. Clair, center of water tower of International Shoe Co. -----  | 38 20 54.94 | 90 58 48.84 | 2,621    |
| Center of double-track of St. Louis-San Francisco Ry. at rd. crossing -----   | 38 20 35.1  | 90 59 12.0  | 2,725    |

(Continued in Union quadrangle; see line 8.)

4. FROM UNION QUADRANGLE AT SEC. 11, T. 43 N., R. 1 W., EAST TO POINT 1 MILE NORTH OF VILLA RIDGE, THENCE SOUTHWEST TO SEC. 16, T. 43 N., R. 1 E.  
(by C. D. Craig in 1935)

(Continued from Union quadrangle; see line 7.)

|  |             |             |         |
|--|-------------|-------------|---------|
| T. 43 N., R. 1 W., center sec. 11, SE. corner of farm (local information) -----  | 38 29 31.6  | 90 59 42.2  | (3,056) |
| T. 43 N., R. 1 W., center of SE 1/4 sec. 11, rd. at fences E. and W. near brick schoolhouse -----  | 38 29 17.4  | 90 59 25.0  | 1,987   |
| Bethlehem Presbyterian Cemetery, rd. fork W. at fence E. -----   | 38 28 50.5  | 90 59 32.8  | 2,787   |
| Rd. at fence S., 55 ft. N. of stone and fence corner at quarter cor. between secs. 13 and 14, T. 43 N., R. 1 W. -----  | 38 28 36.4  | 90 59 07.0  | 2,501   |
| Rd. fork S. at fence N. -----  | 38 28 28.3  | 90 58 24.1  | 3,515   |
| Gildehouse, 1.5 mi. W. of, in NE 1/4 sec. 13, T. 43 N., R. 1 W., about 300 ft. W. of Fifth Principal Meridian, 30 ft. S. and 107 ft. E. from triangle formed by junction of rd. N., 18 ft. S. of rd., in edge of field owned by Katie Buettner, in concrete post; standard tablet stamped "T T 989 E R A 1935 673" ----- | 38 28 46.88 | 90 57 58.61 | 2,761   |
| Rd. at fence S., 10 ft. N. of E-W fence -----  | 38 28 52.2  | 90 57 07.4  | 4,112   |
| Gildehouse, T-rd. S. near schoolhouse in village of -----  | 38 29 04.8  | 90 56 34.2  | 2,930   |
| Spire of St. Joannis' Church -----   | 38 29 03.7  | 90 56 25.5  | 698     |
| Center of bridge, 144 ft. W. of rd. N. -----   | 38 29 17.0  | 90 56 02.3  | 2,282   |
| T. 43 N., R. 1 E., approximate center of NE 1/4 sec. 8, rd. at fences N. and S. -----  | 38 29 29.6  | 90 55 43.3  | 1,983   |
| Gildehouse, 1.6 mi. NE. of, in NW 1/4 NW 1/4 sec. 9, T. 43 N., R. 1 E., 145 ft. N. of junction of rds. N. and NE., 20 ft. E. of N-S rd., 3 ft. N. and 5 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 990 E R A 1935 729" -----   | 38 29 35.68 | 90 55 22.53 | 1,760   |
| Rd. at fences N. and S., 58 ft. S. of stone and fence corner at W. sixteenth cor. between secs. 4 and 9, T. 43 N., R. 1 E. -----   | 38 29 40.4  | 90 55 09.4  | 1,146   |
| Center of bridge -----   | 38 29 42.3  | 90 54 35.8  | 2,838   |
| Rd. at fence W., 60 ft. W. of S. sixteenth cor. between secs. 3 and 4, T. 43 N., R. 1 E. -----   | 38 29 51.4  | 90 54 19.5  | 1,469   |

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

| Station  | Latitude                  | Longitude                 | Distance       |
|--|---------------------------|---------------------------|----------------|
|  | ° ' "                     | ° ' "                     | Feet           |
| State Highway 47 at power line and fences E. and W., 230 ft. W. of cor. secs. 2, 3, 10, and 11, T. 43 N., R. 1 E. -----  | 38 29 35.5                | 90 53 14.2                | (3,513)        |
| Villa Ridge, 1 mi. N. of, near SW. cor. of NW 1/4 sec. 11, T. 43 N., R. 1 E., at junction of State Highway 47 and cut-off rd. S. to U.S. Highways 50 and 66, 25 ft. W. of Highway 47, 55 ft. E. of cut-off rd., in concrete post; standard tablet stamped "T T 991 E R A 1935 716" ----- | 38 29 13.52<br>38 28 56.8 | 90 53 09.18<br>90 53 37.8 | 2,255<br>2,831 |
| Rd. at fences N. and S. -----  |                           |                           |                |
| Rd. at fences N. and S., 380 ft. N. of cor. secs. 9, 10, 15, and 16, T. 43 N., R. 1 E. ----  | 38 28 49.8                | 90 54 20.4                | 3,462          |
| Rd. fork S. -----  | 38 28 19.6                | 90 54 54.4                | 4,084          |
| Halleck triangulation sta.; U.S.C. & G.S. standard disk stamped "Halleck" -----  | 38 28 07.62               | 90 55 24.95               | 2,711          |

5. FROM SEC. 10, T. 43 N., R. 1 E., SOUTHEAST ALONG STATE HIGHWAY 47 TO SEC. 13, T. 43 N., R. 1 E., THENCE NORTHEAST ALONG U.S. HIGHWAY 66 INTO PACIFIC QUADRANGLE (by C. D. Craig in 1935)

|  |                           |                           |                |
|--|---------------------------|---------------------------|----------------|
| T T 991 E R A 1935 716 (previously described) --   | 38 29 13.52               | 90 53 09.18               | .....          |
| Chicago, Rock Island & Pacific Ry., center of bridge over -----  | 38 28 51.4<br>38 28 29.3  | 90 52 45.7<br>90 52 22.8  | 2,911<br>2,892 |
| Highway at fences N. and S. -----  |                           |                           |                |
| Apex of A formed by E. edge of pavement of State Highway 47 and W. edge of pavement of U.S. Highway 66 near The Diamonds -----   | 38 28 24.6                | 90 51 22.0                | 4,861          |
| T. 43 N., R. 1 E., E. cor. secs. 12 and 13, stone, 33 ft. S. of fence corner at W. cor. secs. 7 and 18, T. 43 N., R. 2 E. -----  | 38 26 37.1                | 90 50 58.2                | 2,276          |
| The Diamonds, 0.6 mi. NE. of, on U.S. Highways 50 and 66, near S. sixteenth cor. on E. line sec. 12, T. 43 N., R. 1 E., 85 ft. N. of highway, 17 ft. E. of rd. N., 22 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 992 E R A 1935 776" -----   | 38 28 51.89<br>38 28 52.7 | 90 51 01.18<br>90 50 19.9 | 1,514<br>3,283 |
| Highway at fence W. -----  |                           |                           |                |
| Highway at rd. S. on line between secs. 7 and 8, T. 43 N., R. 2 E. -----   | 38 28 51.6                | 90 49 46.3                | 2,675          |
| Highway at paved entrance to Shaw's Garden, near junction of U.S. Highway 50 -----   | 38 28 57.7                | 90 49 26.3                | 1,708          |
| Highway at fence N., 85 ft. S. of fence corner --  | 38 29 01.4                | 90 49 04.7                | 1,756          |
| Center of bridge over crossing of Missouri Pacific R.R. -----  | 38 29 07.0                | 90 48 32.9                | 2,595          |
| Pacific, 3 mi. W. of, along U.S. Highway 66, 0.2 mi. N. of quarter cor. between secs. 9 and 10, T. 43 N., R. 2 E., 42 ft. S. and 16 ft. W. from highway at fence N., 7 ft. N. and 10 ft. W. from NE. corner of yard fence of H. R. Engelhart, in concrete post; standard tablet stamped "T T 993 E R A 1935 574" ----- | 38 29 10.79<br>38 29 13.2 | 90 47 30.90<br>90 46 46.5 | 4,944<br>3,538 |
| Highway at transmission line and fence N. -----  |                           |                           |                |
| Highway at fences N. and S. on line between secs. 10 and 11, T. 43 N., R. 2 E. -----   | 38 29 07.8                | 90 46 22.0                | 2,021          |
| Highway at fences N. and S., 495 ft. N. of W. sixteenth cor. sec. 11, T. 43 N., R. 2 E. -----  | 38 29 03.8<br>38 29 04.8  | 90 46 05.5<br>90 45 34.0  | 1,374<br>2,508 |
| Junction of rd. N. -----   |                           |                           |                |
| Highway at fences N. and S. on line between secs. 11 and 12, T. 43 N., R. 2 E. -----   | 38 29 03.5                | 90 45 15.4                | 1,487          |
| 466 (In Pacific quadrangle; see line 13.) -----  | 38 28 55.90               | 90 44 27.28               | 3,904          |

6. FROM SEC. 12, T. 42 N., R. 1 W., EAST TO MOSELLE, THENCE NORTHEAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO SEC. 6, T. 42 N., R. 2 E., THENCE SOUTHEAST ALONG ROADS INTO PACIFIC QUADRANGLE AT POINT 4.7 MILES NORTH OF OERMANN (by C. D. Craig in 1935)

|  |             |             |       |
|--|-------------|-------------|-------|
| T. 42 N., R. 1 W., approximate quarter cor. between secs. 11 and 12, rd. at fence E. (previously described) -----  | 38 23 59.8  | 90 59 07.0  | ..... |
| Crossroads, 520 ft. E. of cor. secs. 11, 12, 13, and 14, T. 42 N., R. 1 W. (previously described) -----  | 38 23 33.3  | 90 59 00.9  | 2,727 |
| T. 42 N., R. 1 W., quarter cor. between secs. 12, and 13, stone in center of rd. and fence N. ----   | 38 23 34.8  | 90 58 32.3  | 2,288 |
| T. 42 N., R. 1 W., E. cor. secs. 12 and 13, stone at rd. corner from W.-S. at fence N. ----  | 38 23 36.7  | 90 57 57.1  | 2,817 |
| T. 42 N., R. 1 E., W. cor. secs. 7 and 18, rd. corner from N.-E. at fence S. -----   | 38 23 26.8  | 90 57 57.1  | 998   |
| T. 42 N., R. 1 E., 14 ft. N. and 510 ft. W. from approximate quarter cor. between secs. 7 and 18, 14 ft. N. and 80 ft. E. from crossroads, 12 ft. S. of pin-oak tree, in concrete post; standard tablet stamped "T T 994 E R A 1935 678" ----- | 38 23 26.38 | 90 57 25.14 | 2,544 |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| T. 42 N., R. 1 E., approximate quarter cor. between secs. 7 and 18, rd. at fence S. -----  | 38 23 26.2  | 90 57 18.7  | 514      |
| U.S. Highway 66 at crossroad -----   | 38 23 25.1  | 90 56 36.1  | 3,393    |
| Rd. at fence S. -----  | 38 23 24.7  | 90 56 10.8  | 2,021    |
| T. 42 N., R. 1 E., approximate cor. secs. 8, 9, 16, and 17, rd. at fence S. -----  | 38 23 23.1  | 90 55 36.6  | 2,723    |
| T. 42 N., R. 1 E., approximate W. sixteenth cor. between secs. 9 and 16, rd. at fences N. and S. -----   | 38 23 23.0  | 90 55 19.4  | 1,371    |
| Junction of old rd. N. -----   | 38 23 31.5  | 90 54 53.2  | 2,260    |
| Rd. at fence S. -----  | 38 23 20.7  | 90 54 27.9  | 2,296    |
| Moselle, 121 ft. NE. of NE. corner of St. Louis-San Francisco Ry. sta., 27 ft. N. and 9 ft. W. from rd. crossing, 27 ft. S. and 9 ft. E. from SE. corner of Cervanka's grocery store, 6 ft. N. of R.R. crossing signpost, in concrete post; standard tablet stamped "T T 995 E R A 1935 493" -----   | 38 23 13.75 | 90 53 47.67 | 3,277    |
| Moselle, St. Louis-San Francisco Ry. at sta. -----   | 38 23 12.4  | 90 53 48.8  | 159      |
| R.R. at water tank -----   | 38 23 43.0  | 90 53 13.4  | 4,179    |
| R.R. at fence S. -----   | 38 23 48.2  | 90 52 47.1  | 2,162    |
| R.R. at fences N. and S. -----   | 38 23 47.8  | 90 52 12.9  | 2,720    |
| Moselle, 2.2 mi. NE. of, along St. Louis-San Francisco Ry., near center of N 1/2 sec. 12, T. 42 N., R. 1 E., 150 ft. W. of milepost 43.30, 18 ft. N. of track; iron post stamped "516" -----   | 38 23 52.88 | 90 51 41.37 | 2,566    |
| R.R. at semaphore 428 -----  | 38 24 17.9  | 90 51 01.3  | 4,073    |
| Meramec Hills, T-rd. N. at -----   | 38 24 12.7  | 90 50 44.1  | 1,466    |
| Rd. at fence W. -----  | 38 23 48.5  | 90 50 30.3  | 2,682    |
| T. 42 N., R. 2 E., approximate quarter cor. between secs. 7 and 8, rd. at fences N. and S. -----   | 38 23 40.6  | 90 50 05.0  | 2,167    |
| T. 42 N., R. 2 E., approximate W. sixteenth cor. sec. 8, rd. at fence S. -----   | 38 23 40.9  | 90 49 48.0  | 1,359    |
| T. 42 N., R. 2 E., approximate center sec. 8, rd. at fences N. and S. -----  | 38 23 41.1  | 90 49 30.9  | 1,360    |
| Crossroads -----   | 38 23 41.2  | 90 49 17.7  | 1,049    |
| Robertsville, 2 mi. S. of, in SE 1/4 SE 1/4 sec. 8, T. 42 N., R. 2 E., 505 ft. W. of Woodland School, 32 ft. N. and 10 ft. E. from T-rd. E., 46 ft. N. of fence W., 9 ft. S. and 5 ft. W. from 18-in. tree at fence corner, in concrete post; standard tablet stamped "T T 996 E R A 1935 510" ----- | 38 23 16.08 | 90 49 04.65 | 2,751    |
| Rd. at fences N. and S., 16 ft. N. of approximate cor. secs. 8, 9, 16, and 17, T. 42 N., R. 2 E. -----   | 38 23 16.0  | 90 48 56.8  | 625      |
| Rd. at fences N. and S., 650 ft. S. of stone and fence corner at probable S. sixteenth cor. sec. 9, T. 42 N., R. 2 E. -----  | 38 23 22.7  | 90 48 22.0  | 2,857    |
| T. 42 N., R. 2 E., N. sixteenth cor. between secs. 9 and 10, stone -----   | 38 23 55.2  | 90 47 47.2  | 4,304    |
| Rd. at fence E. -----  | 38 24 04.2  | 90 47 29.4  | 1,681    |
| T. 42 N., R. 2 E., center sec. 10, 11 ft. N. and 41 ft. W. from stone at rd. corner W.-S. and fence N., 121 ft. N. and 41 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T 997 E R A 1935 496" -----   | 38 23 42.27 | 90 47 13.00 | 2,572    |
| Rd. at sidewalk to farmhouse of M. McDaniel -----  | 38 23 42.2  | 90 46 30.0  | 3,423    |
| T. 42 N., R. 2 E., approximate center sec. 11, rd. at fence S. -----   | 38 23 42.0  | 90 46 02.3  | 2,210    |
| T. 42 N., R. 2 E., approximate quarter cor. between secs. 11 and 12, rd. at fences N. and S., 5 ft. N. and 175 ft. W. from crossroads -----  | 38 23 41.6  | 90 45 26.7  | 2,837    |
| Rd. at fences E. and W. -----  | 38 23 15.5  | 90 45 22.6  | 2,664    |
| Rd. at fence E. -----  | 38 22 34.6  | 90 45 12.0  | 4,225    |
| Center of new bridge over creek (previously described) -----   | 38 22 18.6  | 90 45 10.9  | 1,620    |
| T T 49 L 1930 703 (In Pacific quadrangle; see line 9.) -----   | 38 21 29.53 | 90 44 57.24 | 5,083    |

7. FROM ST. CLAIR SOUTHEAST ALONG STATE HIGHWAY 30 TO SEC. 31, T. 42 N., R. 1 E., THENCE SOUTHEAST ALONG COUNTY ROUTE K INTO RICHWOODS QUADRANGLE (by C. D. Craig in 1935)

|  |             |             |       |
|--|-------------|-------------|-------|
| St. Clair, water tower (previously described) ---  | 38 20 54.94 | 90 58 48.84 | ..... |
| Highway at fences N. and S., 260 ft. N. of iron pin near fence corner at center sec. 36, T. 42 N., R. 1 W. ----- | 38 20 28.0  | 90 58 36.2  | 2,905 |
| U.S.C. & G.S. standard disk stamped "F 139 1935" -----   | 38 20 04.05 | 90 58 03.50 | 3,559 |
| Highway at abandoned rd. E. and fence W., 300 ft. E. of SW. cor. sec. 31, T. 42 N., R. 1 E. -----                | 38 19 57.9  | 90 57 57.2  | 799   |
| Junction of rd. W. and fence E. -----  | 38 19 30.8  | 90 57 51.2  | 2,788 |
| Junction of rd. S. -----   | 38 19 00.5  | 90 57 15.7  | 4,175 |
| Highway at gate to schoolyard -----  | 38 18 35.3  | 90 56 41.1  | 3,752 |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| St. Clair, 4 mi. SE. of, along County Route K,<br>56 ft. N. and 195 ft. W. from stone at quarter<br>cor. between secs. 8 and 17, T. 41 N., R. 1 E.,<br>195 ft. S. of highway at rd. SE., 67 ft. W. of<br>rd. SE., 26 ft. E. of highway, in concrete<br>post; standard tablet stamped "T T 998 E R A<br>1935 752" -----          | 38 18 08.53 | 90 56 25.60 | 2,980    |
| Junction of private rd. E. -----  | 38 17 33.5  | 90 56 23.4  | 3,555    |
| Highway at fence E. -----   | 38 16 49.4  | 90 56 29.6  | 4,484    |
| Meramec River, center of bridge over -----  | 38 16 32.8  | 90 56 18.4  | 1,902    |
| St. Clair, 6.7 mi. SE. of, along County Route K,<br>in NW 1/4 NE 1/4 sec. 29, T. 41 N., R. 1 E.,<br>80 ft. N. and 74 ft. E. from highway at rd.<br>E., 2 ft. S. and 2 ft. W. from concrete fence<br>post at NW. corner of yard of Arthur Oerman,<br>in concrete post; standard tablet stamped<br>"T T 999 E R A 1935 542" ----- | 38 16 01.89 | 90 56 18.01 | 3,133    |
| Highway at fence W. along N. side of yard of<br>Lewis Gorg -----  | 38 15 28.1  | 90 56 23.8  | 3,453    |

(Continued in Richwoods quadrangle; see line 9.)

8. FROM RICHWOODS QUADRANGLE AT SEC. 31, T. 41 N., R. 1 E., WEST INTO  
RICHWOODS QUADRANGLE AT SEC. 36, T. 41 N., R. 1 W. (by C. D. Craig  
in 1935)

(Continued from Richwoods quadrangle; see line 9.)

|  |            |            |         |
|--|------------|------------|---------|
| Rd. at fences N. and S. -----  | 38 15 06.6 | 90 57 55.0 | (3,914) |
| Rd. at fences N. and S. on Fifth Principal<br>Meridian -----                         | 38 15 08.1 | 90 58 09.4 | 1,159   |
| Crossroads, 640 ft. N. of fence corner at<br>center sec. 36, T. 41 N., R. 1 W. ----- | 38 15 01.6 | 90 58 44.5 | 2,874   |

(Continued in Richwoods quadrangle; see line 9.)

9. FROM SEC. 29, T. 41 N., R. 1 E., SOUTHEAST INTO RICHWOODS QUADRANGLE AT  
SEC. 34, T. 41 N., R. 1 E. (by C. D. Craig in 1935)

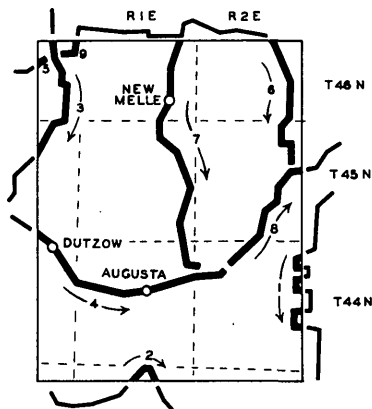
|  |             |             |       |
|--|-------------|-------------|-------|
| T T 999 E R A 1935 542 (previously described) -                      | 38 16 01.89 | 90 56 18.01 | ..... |
| Rd. fork E. -----  | 38 15 56.9  | 90 55 40.2  | 3,063 |
| Rd. at fence N. -----  | 38 15 22.0  | 90 55 22.3  | 3,802 |
| T-rd. S. on line between secs. 33 and 34,<br>T. 41 N., R. 1 E. ----- | 38 15 12.3  | 90 54 48.1  | 2,898 |

(Continued in Richwoods quadrangle; see line 10.)

Magnetic declination 5° 21' E.



AUGUSTA QUADRANGLE  
(Latitude  $38^{\circ}30' - 38^{\circ}45'$ ; longitude  $90^{\circ}45' - 91^{\circ}00'$ )  
Franklin, St. Charles, and Warren Counties



1. FROM MANCHESTER QUADRANGLE AT SEC. 12, T. 44 N., R. 2 E., SOUTH INTO MANCHESTER QUADRANGLE AT SEC. 24, T. 44 N., R. 2 E. (by W. C. Elledge in 1930)  
(Continued from Manchester quadrangle; see line 3.)

| Station   | Latitude                | Longitude               | Distance        |
|---|-------------------------|-------------------------|-----------------|
| T-rd. W. -----                                      | $38^{\circ} 34' 59.9''$ | $90^{\circ} 45' 00.1''$ | Feet<br>(3,197) |
| (For balance in Manchester quadrangle, see line 3.) |                         |                         |                 |
| Big Tavern Creek, center of bridge over -----       | $38^{\circ} 34' 16.5''$ | $90^{\circ} 45' 03.6''$ | (2,851)         |
| (For balance in Manchester quadrangle, see line 3.) |                         |                         |                 |
| T-rd. N. -----                                      | $38^{\circ} 32' 46.8''$ | $90^{\circ} 45' 11.5''$ | (1,813)         |
| Rd. at fences E. and W. -----                       | $38^{\circ} 32' 32.4''$ | $90^{\circ} 45' 03.1''$ | 1,600           |
| (Continued in Manchester quadrangle; see line 3.)   |                         |                         |                 |

2. FROM ST. CLAIR QUADRANGLE AT SEC. 3, T. 44 N., R. 1 E., SOUTHEAST ALONG STATE HIGHWAY 47 INTO ST. CLAIR QUADRANGLE (by C. D. Craig in 1935)  
(Continued from St. Clair quadrangle; see line 4.)

|  |                         |                         |         |
|--|-------------------------|-------------------------|---------|
| Junction of County Route M east and rd. W. ----- | $38^{\circ} 30' 00.6''$ | $90^{\circ} 53' 44.7''$ | (2,917) |
| (Continued in St. Clair quadrangle; see line 4.) |                         |                         |         |

3. FROM TROY QUADRANGLE AT SEC. 14, T. 46 N., R. 1 W., SOUTH AND WEST INTO WASHINGTON QUADRANGLE AT SEC. 2, T. 45 N., R. 1 W. (by C. D. Craig in 1935-36)  
(Continued from Troy quadrangle; see line 3.)

|  |                          |                          |         |
|--|--------------------------|--------------------------|---------|
| T. 46 N., R. 1 W., near center sec. 14, 1 mi. E., thence 7.5 mi. S. from Wright City, 145 ft. S. and 25 ft. W. from T-rd. E., 120 ft. S. and 21 ft. W. from rd. fork SW., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 1737 E R A 1935" ----- | $38^{\circ} 44' 40.09''$ | $90^{\circ} 59' 23.03''$ | (2,916) |
| Rd. at fences E. and W. -----  | $38^{\circ} 44' 02.2''$  | $90^{\circ} 58' 59.3''$  | 4,268   |
| T. 46 N., R. 1 W., cor. secs. 23, 24, 25, and 26, T-rd. W. -----   | $38^{\circ} 43' 22.4''$  | $90^{\circ} 58' 54.4''$  | 4,045   |
| Rd. at fence W. -----  | $38^{\circ} 42' 55.7''$  | $90^{\circ} 58' 51.0''$  | 2,717   |
| T. 46 N., R. 1 W., 40 ft. S. and 635 ft. E. from stone at quarter cor. between secs. 35 and 36, 1 mi. E., thence 10.5 mi. S. from Wright City, 25 ft. S. of T-rd. N., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 1739 E R A 1935" -----     | $38^{\circ} 42' 02.61''$ | $90^{\circ} 58' 47.18''$ | 5,375   |
| T-rd. N. -----   | $38^{\circ} 41' 20.1''$  | $90^{\circ} 59' 10.2''$  | 4,672   |
| Rd. at fence NW. -----   | $38^{\circ} 41' 10.1''$  | $90^{\circ} 59' 52.7''$  | 3,511   |
| (Continued in Washington quadrangle; see line 8.)  |                          |                          |         |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 4. FROM WASHINGTON QUADRANGLE EAST ALONG MISSOURI-KANSAS-TEXAS RAILROAD<br>TO SEC. 9, T. 44 N., R. 2 E. (by C. D. Craig in 1935-36)<br>(Continued from Washington quadrangle; see line 7.)   |             |             |          |
| Dutzow, spire of church -----  | 38 35 33.1  | 90 59 03.6  | (8,220)  |
| Dutzow, 250 ft. SE. of Missouri-Kansas-Texas R.R.<br>sta., 15 ft. S. of track, in top of SE. corner<br>of head wall of concrete culvert; standard<br>tablet stamped "T T 1746 E R A 1935" -----  | 38 36 06.36 | 90 59 54.13 | 5,237    |
| R.R. at private rd. crossing -----   | 38 35 17.4  | 90 59 14.5  | 5,865    |
| R.R. at rd. crossing -----   | 38 34 34.5  | 90 58 25.2  | 5,849    |
| R.R. at signpost at St. Charles-Warren county<br>line -----  | 38 34 11.2  | 90 57 50.5  | 3,623    |
| Dutzow, 3.4 mi. E. of, along Missouri-Kansas-<br>Texas R.R., 10 ft. S. and 14 ft. E. from rd.<br>crossing, in top of concrete pier at SW. corner<br>of steel bridge; standard tablet stamped "T T<br>1747 E R A 1935" -----  | 38 34 04.96 | 90 57 17.49 | 2,698    |
| Nons, R.R. at rd. crossing at -----  | 38 33 58.6  | 90 56 21.7  | 4,476    |
| R.R. at rd. crossing -----   | 38 33 54.3  | 90 55 16.0  | 5,242    |
| R.R. at private rd. crossing -----   | 38 33 56.3  | 90 54 39.9  | 2,874    |
| T-rd. NW. -----  | 38 34 06.0  | 90 53 55.0  | 3,701    |
| Augusta, 0.8 mi. W. of, along Missouri-Kansas-<br>Texas R.R., at milepost 67, 18 ft. W. of NW.<br>corner of concrete bridge, in concrete post;<br>standard tablet stamped "T T 1748 E R A 1935" -  | 38 34 08.80 | 90 53 42.23 | 1,049    |
| Augusta, 15 ft. W. of SW. corner of Missouri-<br>Kansas-Texas R.R. sta., 44 ft. N. of main<br>track; iron pipe (probably U.S.C.E. B.M.) ---  | 38 34 11.30 | 90 52 53.84 | 3,851    |
| Augusta, 0.9 mi. E. of, along Missouri-Kansas-<br>Texas R.R., 0.2 mi. S. of NE. cor. sec. 13,<br>T. 44 N., R. 1 E., at milepole 65.4, 4 ft. N.<br>and 1 ft. W. from SW. corner of E. concrete<br>abutment of bridge over creek; standard tablet<br>stamped "T T 1750 E R A 1935" ----- | 38 34 22.26 | 90 51 53.15 | 4,946    |
| R.R. at milepost 65 -----  | 38 34 28.1  | 90 51 20.9  | 2,626    |
| Klondike, R.R. at door to sta. and post office --  | 38 34 39.7  | 90 50 30.5  | 4,174    |
| R.R. at crossing of State Highway 94 -----   | 38 35 06.2  | 90 49 07.6  | 7,116    |
| Klondike, 1.8 mi. NE. of, along Missouri-Kansas-<br>Texas R.R., at milepole 62.3, 70 ft. N. of<br>County Route E, 8 ft. N. of track, 4 ft. S. of<br>N. end of E. concrete abutment of bridge;<br>standard tablet stamped "T T 1756 E R A 1935" -                                       | 38 35 23.12 | 90 48 40.12 | 2,765    |
| 5. FROM WASHINGTON QUADRANGLE AT SEC. 23, T. 46 N., R. 1 W., NORTHEAST TO<br>SEC. 14, T. 46 N., R. 1 W. (by C. D. Craig in 1935-36)<br>(Continued from Washington quadrangle; see line 9.)   |             |             |          |
| Rd. at fence W. -----  | 38 44 15.8  | 90 59 38.7  | (2,213)  |
| T T 1737 E R A 1935 (previously described) -----   | 38 44 40.09 | 90 59 23.03 | 2,750    |
| 6. FROM TROY QUADRANGLE AT POINT ABOUT 1 MILE SOUTH OF DARDENNE SOUTH TO<br>MISSOURI-KANSAS-TEXAS RAILROAD AT POINT ABOUT 2 MILES WEST OF HAMBURG<br>(by C. D. Craig in 1935-36)<br>(Continued from Troy quadrangle; see line 5.)  |             |             |          |
| Rd. corner from N.-W. at fence NE. -----   | 38 44 36.7  | 90 45 17.8  | (3,337)  |
| Dardenne, 2.5 mi. SW. of, 50 ft. S. and 290 ft.<br>W. from steel bridge over creek, 62 ft. S. of<br>rd. fork W., 60 ft. S. and 40 ft. E. from<br>18-in. white-oak tree, in concrete post;<br>standard tablet stamped "T T 61 C 1936" -----   | 38 44 18.22 | 90 46 03.77 | 4,094    |
| Rd. at fence N. 75° E., 15 ft. E. of stone at<br>NW. corner of land grant -----  | 38 43 54.3  | 90 45 40.9  | 3,023    |
| Junction of rd. S. -----   | 38 43 36.6  | 90 45 58.6  | 2,278    |
| T. 46 N., R. 2 E., E. sixteenth cor. sec. 26, rd.<br>corner from W.-S. -----   | 38 42 50.4  | 90 45 47.0  | 4,763    |
| Rd. at fence W. -----  | 38 42 24.2  | 90 45 47.5  | 2,650    |
| Rd. at fences E. and W. -----  | 38 41 55.8  | 90 45 51.1  | 2,884    |
| Howell, 35 ft. SW. of County Route D, 8 ft. W. of<br>NE. corner of yard of Elsa Knippenburg; iron<br>post stamped "U S G S St L 719.5" -----   | 38 41 33.82 | 90 45 55.26 | 2,249    |
| Stone at SW. corner of land grant -----  | 38 41 16.5  | 90 46 27.4  | 3,094    |
| T. 45 N., R. 2 E., quarter cor. between secs. 2<br>and 11, iron pin at NE. corner of farm of<br>Louis Muschaney, 5 ft. E. of rd., 19 ft. N.<br>30° 30' E. of triangular-blazed 15-in. post-oak<br>tree -----   | 38 40 37.6  | 90 46 06.5  | 4,266    |
| Center of concrete culvert -----   | 38 40 14.2  | 90 45 33.9  | 3,503    |
| State Highway 94 at crossroad -----  | 38 39 39.0  | 90 45 25.7  | 3,616    |
| Hamburg, 2 mi. W. of, on Missouri-Kansas-Texas<br>R.R., in top of N. end of stone abutment at<br>W. side of steel bridge over Little Femme Osage<br>Creek; standard tablet stamped "T T 53 C 1936" -   | 38 39 22.63 | 90 45 23.94 | 1,665    |

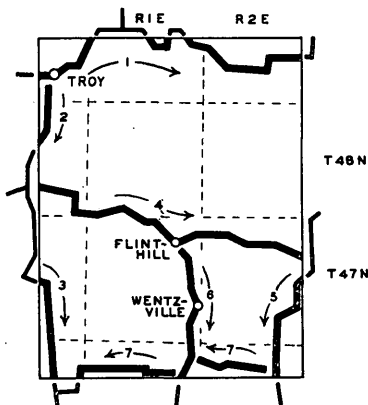
| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 7. FROM TROY QUADRANGLE SOUTH ALONG COUNTY ROUTE 2 TO NEW MELLE, THENCE SOUTH ALONG ROADS TO KLONDIKE (by C. D. Craig in 1935-36)<br>(Continued from Troy quadrangle; see line 6.)   |             |             |          |
| Junction of rd. SW. -----  | 38 44 45.5  | 90 52 28.9  | (2,682)  |
| New Melle, 2 mi. N. of, along County Route 2,<br>0.2 mi. N. of Dardenne Creek, 140 ft. N. of<br>highway at rd. W., 25 ft. W. of highway, 2 ft.<br>N. and 2 ft. E. from fence corner, in concrete<br>post; standard tablet stamped "T T 64 C 1936" -  | 38 44 16.42 | 90 52 45.84 | 3,230    |
| Highway at fences E. and W. -----  | 38 43 36.2  | 90 52 48.2  | 4,078    |
| New Melle, in S. face near SW. corner of Friedens<br>Evangelical Church; aluminum tablet stamped<br>"St L 788" -----   | 38 42 30.92 | 90 52 46.82 | 3,882    |
| New Melle, quarter cor. between secs. 26 and 35,<br>T. 46 N., R. 1 E., stone in fence corner at NE.<br>corner of lot owned by Peter Holmmes, -----   | 38 42 29.4  | 90 52 42.5  | 376      |
| Calloway Creek, center of bridge over -----  | 38 41 45.2  | 90 53 23.1  | 5,507    |
| Rd. fork E. -----  | 38 41 12.1  | 90 53 12.9  | 3,440    |
| Junction of private rd. W. at foot of large hill-<br>T. 45 N., R. 1 E., N. sixteenth cor. between<br>secs. 11 and 12, stone at NE. corner of<br>property of Walter Raymeir -----   | 38 40 40.2  | 90 53 03.8  | 3,309    |
| Rd. at fence E. -----  | 38 40 29.3  | 90 53 18.5  | 1,609    |
| New Melle, 4 mi. S. of, 15 ft. S. and 15 ft. E.<br>from junction of rds. to Defiance and Femme<br>Osage, in concrete post; standard tablet<br>stamped "T T 65 C 1936" -----  | 38 40 13.8  | 90 52 36.1  | 3,714    |
| Rd. at entrance to farm of Mrs. T. C. Heuman ---   | 38 39 52.66 | 90 52 25.10 | 2,306    |
| Center of bridge -----   | 38 39 36.1  | 90 51 41.2  | 3,861    |
| Schlusburg, 1.5 mi. NE. of, 13 ft. S. and<br>45 ft. E. from junction of rds. to Defiance<br>and New Melle, 4 ft. W. of fence corner, in<br>concrete post; standard tablet stamped "T T<br>66 C 1936" -----   | 38 39 21.0  | 90 51 26.8  | 1,914    |
| Schlusburg, junction of private rd. N. between<br>church and store, 14 ft. S. and 3 ft. W. from<br>stone at N. sixteenth cor. sec. 25, T. 45 N.,<br>R. 1 E. -----  | 38 38 29.21 | 90 50 27.22 | 7,055    |
| Rd. at fences E. and W. -----  | 38 37 50.4  | 90 51 41.8  | 7,104    |
| Rd. fork E. -----  | 38 37 23.3  | 90 52 17.4  | 3,935    |
| T. 45 N., R. 1 E., S. sixteenth cor. sec. 36,<br>stone at NE. corner of farm of O. Knoernschild-<br>Schlusburg, 3 mi. S. of, on rd. to Klondike,<br>near center sec. 1, T. 44 N., R. 1 E., 7 ft.<br>N. and 15 ft. E. from rd. at fences E. and W.<br>along S. side of farm of Julius Hamilton, in<br>concrete post; standard tablet stamped "T T<br>67 C 1936" ----- | 38 36 51.1  | 90 51 57.4  | 3,629    |
| Rd. fork W. -----  | 38 36 30.9  | 90 51 43.8  | 2,310    |
| State Highway 94 at rd. N. to Schlusburg -----   | 38 35 45.06 | 90 51 37.47 | 4,662    |
| Missouri-Kansas-Texas R.R. at private rd.<br>crossing about 0.4 mi. W. of Klondike -----   | 38 35 31.1  | 90 51 25.9  | 1,683    |
| Engel triangulation sta.; M.R.C. iron pipe -----   | 38 34 54.4  | 90 51 51.8  | 4,243    |
| Klondike, R.R. at door to sta. and post office<br>(previously described) -----   | 38 34 33.3  | 90 51 04.8  | 4,299    |
|  | 38 34 44.67 | 90 50 17.58 | 3,925    |
|  | 38 34 39.7  | 90 50 30.5  | 1,140    |
| 8. FROM POINT ABOUT 2 MILES NORTHEAST OF KLONDIKE NORTHEAST ALONG<br>MISSOURI-KANSAS-TEXAS RAILROAD INTO MANCHESTER QUADRANGLE (by<br>C. D. Craig in 1935-36)  |             |             |          |
| T T 1756 E R A 1935 (previously described) -----   | 38 35 23.12 | 90 48 40.12 | .....    |
| R.R. at rd. crossing -----   | 38 35 51.0  | 90 48 08.4  | 3,784    |
| R.R. at rd. crossing -----   | 38 36 12.7  | 90 47 50.7  | 2,599    |
| Matson, R.R. at semaphore in front of sta. -----   | 38 36 31.3  | 90 47 40.3  | 2,060    |
| R.R. at crossing of State Highway 94 -----   | 38 37 11.8  | 90 47 12.5  | 4,647    |
| Defiance, 40 ft. S. and 20 ft. E. from Missouri-<br>Kansas-Texas R.R. at sta., 4 ft. S. and 3 ft.<br>W. from telegraph pole, in concrete post;<br>standard tablet stamped "T T 75 C 1936" -----  | 38 37 46.67 | 90 46 45.87 | 4,113    |
| Parsons triangulation sta.; M.R.C. iron post ---   | 38 38 18.20 | 90 47 13.63 | 3,878    |
| R.R. at rd. crossing -----   | 38 38 24.3  | 90 46 16.0  | 4,614    |
| Femme Osage Creek, center of bridge over -----   | 38 39 00.8  | 90 45 54.8  | 4,056    |
| T T 53 C 1936 (previously described) -----   | 38 39 22.63 | 90 45 23.94 | 3,296    |
| (Continued in Manchester quadrangle; see line 10.)   |             |             |          |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| 9. FROM TROY QUADRANGLE AT SEC. 13, T. 46 N., R. 1 W., SOUTHWEST TO SEC. 14, T. 46 N., R. 1 W. (by C. D. Craig in 1935-36)<br>(Continued from Troy quadrangle; see line 7.) |             |             |          |
| T. 46 N., R. 1 W., E. quarter cor. sec. 13,<br>County Route T at junction of County Route F<br>west -----   | 38 44 42.5  | 90 57 44.7  | (2,755)  |
| County Route F at rd. N. -----  | 38 44 42.4  | 90 58 16.7  | 2,536    |
| County Route F at private rd. N. -----  | 38 44 41.8  | 90 58 48.0  | 2,484    |
| T T 1737 E R A 1935 (previously described) -----  | 38 44 40.09 | 90 59 23.03 | 2,782    |

Magnetic declination 5° 02' E.

TROY QUADRANGLE  
(Latitude 38°45'-39°00'; longitude 90°45'-91°00')

Lincoln, St. Charles, and Warren Counties



1. FROM WARRENTON QUADRANGLE AT SEC. 34, T. 49 N., R. 1 W., EAST INTO BRUSSELS QUADRANGLE QUADRANGLE AT SEC. 23, T. 49 N., R. 2 E. (by C. R. Fisher in 1928)

(Continued from Warrenton quadrangle; see line 1.)

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| T. 49 N., R. 1 W., N. cor. secs. 34 and 35,<br>T-rd. S. -----  | 38 58 28.8  | 90 59 35.8  | (2,626)  |
| Troy, 15 ft. S. of E. entrance to courthouse, in<br>face of water table, 3 ft. above ground;<br>aluminum tablet stamped "St L 572" ----- | 38 58 49.21 | 90 58 54.86 | 3,834    |
| St. Louis & Hannibal R.R. at rd. crossing -----  | 38 58 56.3  | 90 58 21.2  | 2,752    |
| Rd. fork NW. -----   | 38 59 37.5  | 90 58 01.9  | 4,433    |

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

|   |            |            |         |
|---|------------|------------|---------|
| T-rd. E. -----                          | 38 59 58.0 | 90 53 14.6 | (2,602) |
| State Highway 47 at crossroad -----     | 38 59 27.9 | 90 53 19.9 | 3,067   |
| Bobs Creek, center of bridge over ----- | 38 59 27.2 | 90 52 41.1 | 3,063   |

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

|  |             |             |         |
|--|-------------|-------------|---------|
| Crossroads on line between secs. 19 and 24,<br>T. 49 N., Rs. 1 and 2 E. -----  | 38 59 49.1  | 90 50 30.7  | (5,804) |
| Crossroads -----   | 38 59 30.6  | 90 49 35.4  | 4,750   |
| Winfield, 4.5 mi. W. of, 25 ft. N. and 20 ft. W.<br>from T-rd. N. on line between secs. 19 and 20,<br>T. 49 N., R. 2 E., in concrete post; standard<br>tablet stamped "T T Sta No 19 F 1926" ----- | 38 59 22.67 | 90 49 18.55 | 1,552   |
| T-rd. S. on line between secs. 28 and 29,<br>T. 49 N., R. 2 E. -----   | 38 59 09.0  | 90 48 06.8  | 5,829   |
| Brushy Creek, (W. channel) center of wooden<br>bridge over -----   | 38 59 09.8  | 90 46 57.1  | 5,509   |
| Winfield, 2 mi. W. of, center sec. 22, T. 49 N.,<br>R. 2 E., 20 ft. N. and 85 ft. E. from cross-<br>roads, in concrete post; standard tablet<br>stamped "T T Sta No 20 F 1926" -----               | 38 59 38.88 | 90 46 22.30 | 4,026   |
| Crossroads on line between secs. 22 and 23,<br>T. 49 N., R. 2 E. -----   | 38 59 31.9  | 90 45 50.1  | 2,637   |

(Continued in Brussels quadrangle; see line 1.)

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 2. FROM TROY SOUTH INTO WARRENTON QUADRANGLE AT SEC. 10, T. 48 N., R. 1 W.<br>(by C. D. Craig in 1935-36)  |             |             |          |
| St L 572 (previously described) -----  | 38 58 49.21 | 90 58 54.86 | .....    |
| Center of triangle formed by junction of State<br>Highway 47 and rd. S. to Wright City -----   | 38 58 28.6  | 90 59 35.5  | 3,826    |
| T. 49 N., R. 1 W., quarter cor. between secs. 34<br>and 35, T-rd. W. -----   | 38 58 02.5  | 90 59 36.6  | 2,651    |
| Rd. at fence W., 370 ft. N. of stone at S. cor.<br>secs. 34 and 35, T. 49 N., R. 1 W. -----  | 38 57 39.5  | 90 59 37.4  | 2,321    |
| Chicago, Burlington & Quincy R.R. at rd. crossing<br>T-rd. E. -----  | 38 57 32.9  | 90 59 43.7  | 839      |
|  | 38 57 11.1  | 90 59 43.2  | 2,203    |
| Rd. at fences E. and W., 490 ft. W. of cor.<br>secs. 2, 3, 10, and 11, T. 48 N., R. 1 W. -----   | 38 56 44.6  | 90 59 40.0  | 2,689    |
| Troy, 1 mi. W., thence 2.6 mi. S. from, near<br>center of E 1/2 sec. 10, T. 48 N., R. 1 W.,<br>61 ft. W. of rd. fork W., 35 ft. S. of 15-in.<br>elm tree, in fence corner, in concrete post;<br>standard tablet stamped "T T 1731 E R A 1935<br>610" ----- | 38 56 17.86 | 91 59 52.57 | 2,886    |
| (Continued in Warrenton quadrangle; see line 3.)   |             |             |          |

|   |             |             |         |
|---|-------------|-------------|---------|
| 3. FROM WARRENTON QUADRANGLE NEAR WRIGHT CITY SOUTH INTO AUGUSTA QUADRANGLE<br>AT SEC. 14, T. 46 N., R. 1 W. (by C. D. Craig in 1935-36)<br>(Continued from Warrenton quadrangle; see line 3.)  |             |             |         |
| U.S. Highway 40 at crossroad -----  | 38 49 29.1  | 90 59 53.4  | (5,335) |
| Rd. at fence N., 50 ft. S. of fence E. -----  | 38 48 55.1  | 90 59 41.3  | 3,577   |
| T-rd. E. -----  | 38 48 30.1  | 90 59 29.7  | 2,686   |
| Wright City, 1 mi. E., thence 2 mi. S. from, in<br>SE 1/4 SW 1/4 sec. 26, T. 47 N., R. 1 W., 10<br>ft. S. and 25 ft. E. from E. gate to yard of<br>J. Minger, 5 ft. N. of fence, on S. side of<br>rd., in concrete post; U.S.C. & G.S. and State<br>Survey standard tablet stamped "T T 1735 E R A<br>1935" ----- | 38 47 59.75 | 90 59 29.90 | 3,073   |
| T. 47 N., R. 1 W., quarter cor. between secs. 26<br>and 35, T-rd. E. near school -----  | 38 47 50.5  | 90 59 23.3  | 1,071   |
| T. 46 N., R. 1 W., N. quarter cor. sec. 2, T-rd.<br>S., 60 ft. E. of T-rd. N. at S. quarter cor.<br>sec. 35, T. 47 N., R. 1 W. -----  | 38 46 56.7  | 90 59 24.3  | 5,451   |
| T-rd. E. -----  | 38 46 28.3  | 90 59 24.6  | 2,866   |
| Wright City, 1 mi. E., thence 4.8 mi. S. from,<br>0.1 mi. N. of center sec. 11, T. 46 N.,<br>R. 1 W., 40 ft. N. and 28 ft. W. from T-rd.<br>W., in concrete post; U.S.C. & G.S. and State<br>Survey standard tablet stamped "T T 1736 E R A<br>1935" -----  | 38 45 40.86 | 90 59 25.92 | 4,803   |
| Crossroads -----  | 38 45 08.7  | 90 59 18.9  | 3,297   |
| (Continued in Augusta quadrangle; see line 3.)  |             |             |         |

|   |             |             |       |
|---|-------------|-------------|-------|
| 4. FROM WARRENTON QUADRANGLE AT SEC. 27, T. 48 N., R. 1 W., SOUTHEAST INTO<br>BRUSSELS QUADRANGLE AT SEC. 12, T. 47 N., R. 2 E. (by C. D. Craig in<br>1935-36)  |             |             |       |
| T T 1732 E R A 1935 (In Warrenton quadrangle;<br>see line 3.) -----   | 38 53 39.92 | 91 00 47.23 | ..... |
| Crossroads -----  | 38 53 45.8  | 90 59 55.5  | 4,134 |
| Rd. at curve, 10 ft. E. of barnyard gate near<br>schoolhouse -----  | 38 53 22.1  | 90 59 10.0  | 4,326 |
| T. 48 N., R. 1 W., cor. secs. 25, 26, 35, and 36,<br>rd. at fence N. -----  | 38 53 08.8  | 90 58 31.8  | 3,314 |
| T. 48 N., R. 1 W., 0.3 mi. E. of cor. secs. 25,<br>26, 35, and 36, 14 ft. E. of T-rd. W., 4 ft.<br>N. and 4 ft. E. from fence corner, in concrete<br>post; standard tablet stamped "T T 1751 E R A<br>1935" -----                   | 38 53 08.28 | 90 58 11.09 | 1,635 |
| T-rd. E. -----  | 38 52 28.1  | 90 58 12.3  | 4,069 |
| Tps. 47 and 48 N., Rs. 1 E. and 1 W., cor. of,<br>fence corner at corner of Lincoln and Warren<br>Counties on St. Charles county line -----   | 38 52 14.3  | 90 57 30.0  | 3,621 |
| T-rd. W., 186 ft. N. of T-rd. E. -----  | 38 52 28.8  | 90 57 15.5  | 1,854 |
| T-rd. S. -----  | 38 52 33.2  | 90 56 26.1  | 3,934 |
| Grothe School, near center sec. 32, T. 48 N.,<br>R. 1 E., 17 ft. W. of rd., 16 ft. S. and 4 ft.<br>W. from fence corner, in NE. corner of school-<br>yard, in concrete post; standard tablet stamped<br>"T T 1752 E R A 1935" ----- | 38 52 40.29 | 90 55 52.33 | 2,768 |
| U.S. Highway 61 at rd. W. -----   | 38 53 04.3  | 90 55 02.5  | 4,625 |
| U.S.C. & G.S. standard disk stamped "Y 149 1935" -----  | 38 52 26.53 | 90 54 09.29 | 5,685 |
| T. 47 N., R. 1 E., N. cor. secs. 3 and 4, rd. at<br>fence W. -----  | 38 52 10.0  | 90 54 09.2  | 1,699 |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| U.S. Highway 61 at hedge fence N. -----  | 38 52 17.6  | 90 53 41.8  | 2,298    |
| U.S. Highway 61 at rd. N. -----  | 38 51 44.7  | 90 52 46.5  | 5,495    |
| U.S.C. & G.S. standard disk stamped "A 150 1935" -----   | 38 51 06.07 | 90 52 05.20 | 5,095    |
| Flinthill, T-rd. S. in E. part of town -----   | 38 51 19.1  | 90 51 39.9  | 2,398    |
| T-rd. N. -----   | 38 51 38.4  | 90 50 37.6  | 5,296    |
| Flinthill, 1.8 mi. E. of, 64 ft. N. and 60 ft. W. from SW. corner of dwelling of T. Hoeber (formerly general store), 7 ft. S. of NW. corner of garden, in concrete post; standard tablet stamped "T T 1753 E R A 1935" ----- | 38 51 49.27 | 90 49 47.00 | 4,154    |
| T-rd. N. -----   | 38 51 30.0  | 90 49 15.0  | 3,194    |
| Rd. at fences N. and S. -----  | 38 51 16.7  | 90 48 24.5  | 4,215    |
| Crossroads -----   | 38 51 10.8  | 90 48 07.8  | 1,447    |
| Josephville, 0.8 mi. N. of, in NE 1/4 sec. 9, T. 47 N., R. 2 E., 50 ft. E. of crossroads, 4 ft. N. of rail fence, in concrete post; standard tablet stamped "T T 1754 E R A 1935" -----                                      | 38 50 55.68 | 90 47 34.67 | 3,037    |
| T. 47 N., R. 2 E., quarter cor. between secs. 10 and 11, crossroads -----  | 38 50 47.6  | 90 46 19.8  | 5,981    |
| Rd. at fence N. -----  | 38 50 48.0  | 90 46 45.7  | 2,699    |
| Junction of lane S. -----  | 38 50 29.3  | 90 45 12.1  | 3,260    |
| T T 1755 E R A 1935 (In Brussels quadrangle; see line 3.) -----  | 38 50 30.34 | 90 44 32.74 | 3,117    |

5. FROM BRUSSELS QUADRANGLE AT SEC. 13, T. 47 N., R. 2 E., SOUTH INTO AUGUSTA QUADRANGLE AT POINT 1 MILE SOUTH OF DARDENNE (by C. D. Craig in 1935-36)  
(Continued from Brussels quadrangle; see line 3.)

|  |             |             |         |
|--|-------------|-------------|---------|
| T. 47 N., R. 2 E., quarter cor. between secs. 23 and 24, rd. at fences N. and S., 30 ft. N. and 70 ft. W. from rd. fork S. -----   | 38 49 02.6  | 90 45 17.0  | (4,332) |
| Rd. at fences E. and W. -----  | 38 48 36.3  | 90 45 18.3  | 2,665   |
| Gilmore, 3 mi. E. of, along U.S. Highway 40, 0.3 mi. S. of cor. secs. 23, 24, 25, and 26, T. 47 N., R. 2 E., 28 ft. S. of highway, 2 ft. N. and 11 ft. E. from gatepost at fence corner, in concrete post; standard tablet stamped "T T 59 C 1936" ----- | 38 48 18.48 | 90 45 18.43 | 1,805   |
| Peruque Creek, center of Wabash Ry. bridge over U.S. Highway 40 at rd. S. to Dardenne -----  | 38 48 25.5  | 90 45 45.4  | 2,250   |
| Rd. at fences E. and W. -----  | 38 48 18.2  | 90 46 18.1  | 2,693   |
| T-rd. W. -----   | 38 47 43.6  | 90 46 12.2  | 3,527   |
| Rd. fork SW. -----   | 38 47 25.5  | 90 46 12.1  | 1,840   |
| Rd. at fences E. and W. -----  | 38 47 00.4  | 90 46 19.4  | 2,605   |
| T-rd. N., 150 ft. S. of new U.S. Highway 40 -----  | 38 46 24.4  | 90 46 12.0  | 3,687   |
| Dardenne, cor. secs. 1, 2, 11, and 12, T. 46 N., R. 2 E., 31 ft. N. and 20 ft. W. from crossroads, 49 ft. S. of SE. corner of Catholic Church, between sidewalk and picket fence, in concrete post; standard tablet stamped "T T 60 C 1936" -----        | 38 45 57.9  | 90 46 12.5  | 2,675   |
| New U.S. Highway 40 at N.-S. crossroad -----   | 38 45 57.91 | 90 45 22.43 | 3,968   |
|  | 38 45 09.4  | 90 45 22.5  | 4,903   |

(Continued in Augusta quadrangle; see line 6.)

6. FROM FLINTHILL SOUTH ALONG U.S. HIGHWAY 61 TO WENTZVILLE, THENCE SOUTH ALONG COUNTY ROUTE Z INTO AUGUSTA QUADRANGLE (by C. D. Craig in 1935-36)

|   |             |             |       |
|---|-------------|-------------|-------|
| A 150 1935 (previously described) -----   | 38 51 06.07 | 90 52 05.20 | ..... |
| Junction of winding rd. NE. -----   | 38 50 34.6  | 90 51 38.9  | 3,801 |
| Junction of rd. E. -----  | 38 49 57.2  | 90 51 19.9  | 4,072 |
| Junction of rd. S. to Wentzville -----  | 38 49 44.7  | 90 50 59.9  | 4,079 |
| Highway at fences N. and S., 104 ft. N. of stone at W. quarter cor. sec. 19, T. 47 N., R. 2 E. - Wentzville, near E. limits of, in SW. part of triangle formed by junction of U.S. Highways 40 and 61, 46 ft. N. of Highway 40, 45 ft. E. of Highway 61, 2 ft. N. and 1 ft. E. from transmission-line pole, in concrete post; standard tablet stamped "T T 62 C 1936" ----- | 38 49 05.0  | 90 50 53.5  | 1,104 |
| Wentzville municipal water tower -----  | 38 48 48.68 | 90 50 39.53 | 1,991 |
| Center of bridge over creek -----   | 38 48 45.6  | 90 51 14.4  | 2,777 |
| Junction of rd. E., 15 ft. S. and 35 ft. E. from fence corner at E. sixteenth cor. sec. 36, T. 47 N., R. 1 E. -----   | 38 47 59.2  | 90 51 24.5  | 4,763 |
| Junction of rd. W. -----  | 38 47 19.6  | 90 51 12.7  | 4,114 |
| Wentzville, 3 mi. S. of, near center sec. 1, T. 46 N., R. 1 E., 308 ft. E. of County Route Z at Boonslick Road, 30 ft. N. and 30 ft. W. from granite monument marked "Boonslick Road, Daniel Boone's Home", at junction of rd. N. in concrete post; standard tablet stamped "T T 63 C 1936" -----   | 38 46 52.9  | 90 51 31.2  | 3,070 |
|   | 38 46 26.59 | 90 51 43.06 | 2,823 |

| Station  | Latitude   | Longitude  | Distance |
|--|------------|------------|----------|
|  | ° ' "      | ° ' "      | Feet     |
| Highway at fence W., 40 ft. E. of fence corner<br>at cor. secs. 1, 2, 11, and 12, T. 46 N.,<br>R. 1 E. ----- | 38 46 00.6 | 90 52 04.3 | 3,119    |
| Highway at fences E. and W. -----  | 38 45 35.2 | 90 51 59.1 | 2,602    |
| Junction of rd. W. -----   | 38 45 08.5 | 90 52 12.2 | 2,893    |

(Continued in Augusta quadrangle; see line 7.)

7. FROM DARDENNE WEST AND SOUTH INTO AUGUSTA QUADRANGLE AT SEC. 13,  
T. 46 N., R. 1 W. (by C. D. Craig in 1935-36)

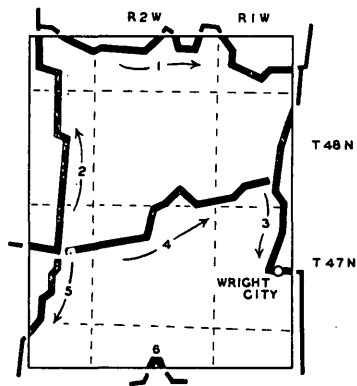
|  |             |             |       |
|--|-------------|-------------|-------|
| T T 60 C 1936 (previously described) -----   | 38 45 57.91 | 90 45 22.43 | ..... |
| T. 46 N., R. 2 E., cor. secs. 2, 3, 10, and 11,<br>rd. at fence N. -----   | 38 45 58.0  | 90 46 29.3  | 5,298 |
| Rd. at fence N. -----  | 38 45 58.3  | 90 47 06.9  | 2,980 |
| Rd. at fence S. -----  | 38 45 58.4  | 90 47 40.2  | 2,640 |
| Crossroads -----   | 38 45 58.5  | 90 48 01.8  | 1,710 |
| T-rd. N. -----   | 38 45 58.8  | 90 49 00.4  | 4,640 |
| Dardenne, 3.7 mi. W. of, 23 ft. S. and 24 ft. E.<br>from T-rd. E., 4 ft. N. and 5 ft. E. from twin<br>12-in. elm tree, in concrete post; standard<br>tablet stamped "T T 80 C 1936" -----  | 38 45 58.80 | 90 49 19.26 | 1,495 |
| Rd. at fence E. near schoolhouse -----   | 38 45 44.1  | 90 49 19.5  | 1,485 |
| Rd. at fence S. -----  | 38 45 55.0  | 90 50 08.9  | 4,062 |
| T. 46 N., R. 1 E., E. cor. secs. 1 and 12, stone<br>in fence corner on property of George Hunter --  | 38 46 00.1  | 90 51 02.0  | 4,236 |
| T T 63 C 1936 (previously described) -----   | 38 46 26.59 | 90 51 43.06 | 4,216 |
| Junction of rd. W. (previously described) -----  | 38 45 08.5  | 90 52 12.2  | ..... |
| Rd. at fences N. and S. -----  | 38 45 09.0  | 90 52 56.2  | 3,479 |
| Rd. at fences N. and S. -----  | 38 45 07.6  | 90 53 13.2  | 1,360 |
| T-rd. E., 100 ft. S. of stone at quarter cor.<br>between secs. 10 and 15, T. 46 N., R. 1 E. ----   | 38 45 08.2  | 90 53 47.0  | 2,681 |
| Rd. corner from S.-W., 100 ft. N. of stone at<br>center sec. 10, T. 46 N., R. 1 E. -----   | 38 45 36.8  | 90 53 46.5  | 2,887 |
| T-rd. W. -----   | 38 45 38.5  | 90 54 03.4  | 1,350 |
| T. 46 N., R. 1 E., E. sixteenth cor. sec. 9,<br>40 ft. S. and 37 ft. W. from crossroads, in<br>concrete post; standard tablet stamped "T T<br>81 C 1936" -----   | 38 45 36.04 | 90 54 38.08 | 2,761 |
| T. 46 N., R. 1 E., center sec. 9, stone in center<br>of rd. at fence N. -----  | 38 45 36.4  | 90 54 53.6  | 1,230 |
| Crossroads near schoolhouse -----  | 38 45 36.8  | 90 55 26.6  | 2,615 |
| Rd. at hedge fence N. -----  | 38 45 37.1  | 90 56 00.7  | 2,705 |
| Rd. at fence N. -----  | 38 45 37.7  | 90 56 35.0  | 2,712 |
| T. 46 N., R. 1 E., center sec. 7, rd. at fence N.<br>T. 46 N., R. 1 E., W. quarter cor. sec. 7, 10 ft.<br>S. and 30 ft. W. from County Route T at rd. E.,<br>on Fifth Principal Meridian, in concrete post;<br>standard tablet stamped "T T 82 C 1936" ----- | 38 45 37.9  | 90 57 08.9  | 2,691 |
| County Route T at fence W. -----   | 38 45 37.72 | 90 57 44.53 | 2,822 |
|  | 38 45 09.8  | 90 57 44.2  | 2,828 |

(Continued in Augusta quadrangle; see line 9.)

Magnetic declination 5° 21' E.

WARRENTON QUADRANGLE  
(Latitude 38°45'-39°00'; longitude 91°00'-91°15')

Lincoln and Warren Counties



1. FROM SILEX QUADRANGLE AT SEC. 23, T. 49 N., R. 3 W., EAST INTO TROY QUADRANGLE AT SEC. 34, T. 49 N., R. 1 W. (by C. R. Fisher in 1928)  
(Continued from Silex quadrangle; see line 1.)

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Rd. fork W. -----  | 38 59 28.1  | 91 12 17.1  | (9,309)  |
| Camp Creek, center of bridge over -----  | 38 59 33.5  | 91 11 56.4  | 1,723    |
| T. 49 N., R. 3 W., E. cor. secs. 24 and 25, rd. corner from W.-S. -----  | 38 59 31.9  | 91 11 18.0  | 3,034    |
| Truxton, 3.5 mi. E. of, in N 1/2 sec. 30, T. 49 N., R. 2 W., 22 ft. S. of T-rd. N., in concrete post; standard tablet stamped "T T Sta No 13 F 1928" -----   | 38 59 17.82 | 91 10 40.16 | 3,315    |
| T. 49 N., R. 2 W., quarter cor. between secs. 19 and 30, T-rd. E. -----  | 38 59 30.4  | 91 10 39.9  | 1,270    |
| T. 49 N., R. 2 W., cor. secs. 19, 20, 29, and 30, rd. at fence N. -----  | 38 59 30.3  | 91 10 07.6  | 2,555    |
| T-rd. W. -----   | 38 59 43.7  | 91 09 14.2  | 4,429    |
| (For balance in Silex quadrangle, see line 1.)   |             |             |          |
| Ford across creek -----  | 38 59 32.4  | 91 07 34.5  | (3,609)  |
| Rd. fork NE. -----   | 38 59 18.7  | 91 07 36.3  | 1,396    |
| T-rd. E. -----   | 38 59 31.1  | 91 06 18.8  | 6,247    |
| (For balance in Silex quadrangle, see line 1.)   |             |             |          |
| Troy, 4.5 mi. W. and 1.2 mi. N. from, about 765 ft. E. of W. quarter cor. sec. 19, T. 49 N., R. 1 W., 200 ft. N. and 110 ft. E. from dwelling of Harrison Church, 40 ft. S. and 30 ft. E. from rd. fork E., in concrete post; standard tablet stamped "T T Sta No 15 F 1928" ----- | 38 59 54.13 | 91 04 00.78 | (2,094)  |
| T-rd. N. on line between secs. 19 and 30, T. 49 N., R. 1 W. -----  | 38 59 27.6  | 91 03 46.7  | 2,903    |
| T-rd. S. -----   | 38 59 01.7  | 91 03 47.2  | 2,616    |
| Stone and iron pipe at rd. corner from W.-S. -----   | 38 58 35.3  | 91 03 54.0  | 2,727    |
| T-rd. S. -----   | 38 58 16.1  | 91 02 40.8  | 6,099    |
| Troy, 3 mi. W. of, along State Highway 47, 35 ft. N. and 20 ft. W. from crossroads on line between secs. 32 and 33, T. 49 N., R. 1 W., in concrete post; standard tablet stamped "T T Sta No 16 F 1928" -----  | 38 58 18.48 | 91 01 50.53 | 3,977    |
| T-rd. N. -----   | 38 58 25.3  | 91 01 16.1  | 2,807    |
| State Highway 47 at rd. S. on line between secs. 33 and 34, T. 49 N., R. 1 W. -----  | 38 58 27.1  | 91 00 42.6  | 2,646    |
| State Highway 47 at rd. N. near quarter cor. between secs. 27 and 34, T. 49 N., R. 1 W. -----  | 38 58 30.2  | 91 00 09.0  | 2,678    |
| (Continued in Troy quadrangle; see line 1.)  |             |             |          |



| Station | Latitude | Longitude | Distance |
|---------|----------|-----------|----------|
|         | ° ' "    | ° ' "     | Feet     |

2. FROM NEW FLORENCE QUADRANGLE EAST AND NORTH ALONG U.S. HIGHWAY 40 AND COUNTY ROUTE A TO LINCOLN-WARREN COUNTY LINE, THENCE NORTH ALONG ROADS INTO SILEX QUADRANGLE AT SEC. 15, T. 49 N., R. 3 W. (by C. W. Williams in 1935)

(Continued from New Florence quadrangle; see line 3.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Highway at fences N. and S. -----   | 38 50 44.8  | 91 14 45.1  | (2,700) |
| T. 47 N., R. 3 W., quarter cor. between secs. 10 and 15, stone at fence corner -----  | 38 50 43.4  | 91 14 11.3  | 2,673   |
| Crossroad -----   | 38 50 29.1  | 91 13 36.8  | 3,095   |
| Jonesburg, 4.5 mi. E. of, along U.S. Highway 40, in SW 1/4 NW 1/4 sec. 14, T. 47 N., R. 3 W., 51 ft. N. and 45 ft. E. from junction of County Route A, in concrete post; standard tablet stamped "T T 692 E R A 1935" -----                             | 38 50 20.46 | 91 13 25.73 | 1,238   |
| Highway at fence E. -----   | 38 51 01.9  | 91 13 19.9  | 4,216   |
| T. 47 N., R. 3 W., W. sixteenth cor. between secs. 2 and 11, junction of rd. E. -----   | 38 51 31.6  | 91 13 20.0  | 3,010   |
| Highway at curve from S.-E. -----   | 38 52 12.1  | 91 13 20.3  | 4,099   |
| Junction of rd. E., 50 ft. S. of junction of rd. W. -----   | 38 52 25.4  | 91 13 03.4  | 1,894   |
| Pendleton, 3.5 mi. N. and 1 mi. E. from, on County Route A, 32 ft. S. and 30 ft. E. from highway at fences E. and W. at center sec. 35, T. 48 N., R. 3 W., in concrete post; standard tablet stamped "T T 693 E R A 1935" -----                         | 38 52 50.89 | 91 13 02.61 | 2,581   |
| T. 48 N., R. 3 W., quarter cor. between secs. 26 and 35, highway at fence E. -----  | 38 53 17.6  | 91 13 02.8  | 2,700   |
| T. 48 N., R. 3 W., center of SE 1/4 sec. 26, stone at fence corner -----  | 38 53 30.5  | 91 12 45.2  | 1,908   |
| Crossroad -----   | 38 54 10.2  | 91 12 44.7  | 4,025   |
| Highway at fence W. -----   | 38 54 30.0  | 91 12 44.5  | 2,000   |
| Highway at fence E. -----   | 38 54 50.1  | 91 12 44.3  | 2,030   |
| Junction of rd. E. -----  | 38 55 03.0  | 91 12 44.2  | 1,310   |
| New Truxton, 4.5 mi. S. of, along County Route A, E. sixteenth cor. sec. 14, T. 48 N., R. 3 W., 34 ft. S. and 22 ft. E. from highway at fence N., in line with highway from S.-W., in concrete post; standard tablet stamped "T T 694 E R A 1935" ----- | 38 55 29.66 | 91 12 43.71 | 2,694   |
| Highway at corner from E.-N. -----  | 38 55 30.2  | 91 13 18.6  | 2,755   |
| Highway at fences E. and W. -----   | 38 55 57.0  | 91 13 18.1  | 2,706   |
| Highway at fence W. -----   | 38 56 22.8  | 91 13 16.7  | 2,613   |
| Junction of rd. W. at fence E. -----  | 38 56 50.0  | 91 13 16.3  | 2,750   |
| New Truxton, 2 mi. S. of, along County Route A, W. sixteenth cor. on S. line sec. 35, T. 49 N., R. 3 W., 52 ft. S. and 70 ft. E. from highway at fences E. and W., in concrete post; standard tablet stamped "T T 695 E R A 1935" -----                 | 38 57 46.46 | 91 13 18.29 | 5,719   |
| Highway at S. end of bridge -----   | 38 58 15.4  | 91 13 28.3  | 3,029   |
| Chicago, Burlington & Quincy R.R. bridge over highway -----   | 38 58 39.2  | 91 13 35.1  | 2,473   |
| New Truxton, Chicago, Burlington & Quincy R.R. main track in line with E. edge of sta. -----  | 38 58 37.7  | 91 14 17.2  | 3,332   |
| Junction of rd. W. -----  | 38 58 51.1  | 91 14 25.5  | 1,514   |
| T. 49 N., R. 3 W., W. sixteenth cor. sec. 27, highway at fences E. and W. -----   | 38 59 07.4  | 91 14 25.7  | 1,650   |
| Highway at fences E. and W. on Lincoln-Warren county line -----   | 38 59 33.5  | 91 14 25.3  | 2,640   |
| Rd. at fences E. and W. -----   | 38 59 59.7  | 91 14 24.8  | 2,650   |
| T T Sta No 12 F 1928 (In Silex quadrangle; see line 1.) -----   | 39 00 16.43 | 91 14 39.27 | 2,042   |

3. FROM TROY QUADRANGLE AT SEC. 10, T. 48 N., R. 1 W., SOUTH INTO TROY QUADRANGLE AT POINT NEAR WRIGHT CITY (by C. D. Craig in 1935)

(Continued from Troy quadrangle; see line 2.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Center of triangle at rd. fork W., 20 ft. S. and 5 ft. W. from quarter cor. between secs. 10 and 15, T. 48 N., R. 1 W. -----   | 38 55 51.9  | 91 00 11.0  | (3,000) |
| T-rd. E. at fence W. -----   | 38 55 38.7  | 91 00 11.2  | 1,335   |
| Rd. at fence W. -----  | 38 54 59.3  | 91 00 36.5  | 4,461   |
| Rd. at fences E. and W. -----  | 38 54 32.5  | 91 00 37.2  | 2,704   |
| Wright City, 5.8 mi. N. of, near quarter cor. between secs. 27 and 28, T. 48 N., R. 1 W., 20 ft. N. and 28 ft. W. from T-rd. N., 6 ft. N. and 1 ft. E. from SE. corner of iron fence around yard of Dear Church, in concrete post; standard tablet stamped "T T 1732 E R A 1935 536" ----- | 38 53 39.92 | 91 00 47.23 | 5,383   |
| Rd. fork W. -----  | 38 52 59.2  | 91 00 50.3  | 4,129   |
| Rd. at fences E. and W., 270 ft. E. of fence corner at quarter cor. between secs. 33 and 34, T. 48 N., R. 1 W. -----   | 38 52 46.0  | 91 00 49.4  | 1,330   |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Rd. fork E. -----  | 38 52 32.7  | 91 00 40.5  | 1,520    |
| Wright City, 3 mi. N. of, near center of E 1/2 sec. 3, T. 47 N., R. 1 W., 20 ft. N. and 20 ft. E. from junction of rd. to farm of Otto Schemmer, 11 ft. N. and 12 ft. W. from 18-in. walnut tree used as gatepost, in concrete post; standard tablet stamped "T T 1733 E R A 1935" ----- | 38 51 46.94 | 91 00 06.71 | 5,349    |
| Center of steel bridge -----   | 38 51 21.6  | 91 00 03.2  | 2,578    |
| Center of concrete culvert -----   | 38 50 52.8  | 91 00 22.4  | 3,285    |
| Center of triangle at rd. forks -----  | 38 50 36.9  | 91 00 36.2  | 1,948    |
| Rd. at fences E. and W. -----  | 38 50 05.8  | 91 00 52.8  | 3,401    |
| Wright City, at junction of U.S. Highway 40 and Cherry Street, 129 ft. E. of Cherry Street, 17 ft. S. of highway, in concrete curb, 12 ft. N. of end; standard tablet stamped "T T 1734 E R A 1935" -----  | 38 49 44.05 | 91 00 58.04 | 2,244    |

(Continued in Troy quadrangle; see line 3.)

4. FROM SEC. 14, T. 47 N., R. 3 W., EAST TO SEC. 27, T. 48 N., R. 1 W.  
(by C. D. Craig in 1935)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 692 E R A 1935 (previously described) -----  | 38 50 20.46 | 91 13 25.73 | ..... |
| County Route A at crossroad -----  | 38 50 39.2  | 91 13 19.6  | 1,954 |
| T. 47 N., R. 3 W., cor. secs. 11, 12, 13, and 14, rd. at fence N. -----  | 38 50 37.6  | 91 12 28.5  | 4,047 |
| T. 47 N., R. 3 W., E. cor. secs. 12 and 13, rd. corner from W.-N., 520 ft. S. of rd. corner from S.-E. at W. cor. secs. 7 and 18, T. 47 N., R. 2 W. -----  | 38 50 36.8  | 91 11 21.0  | 5,346 |
| Warrenton, 3.8 mi. NW. of, quarter cor. between secs. 7 and 18, T. 47 N., R. 2 W., 25 ft. S. and 19 ft. E. from T-rd. W., in concrete post; standard tablet stamped "T T 1728 E R A 1935" -----  | 38 50 41.87 | 91 10 43.66 | 2,997 |
| T-rd. E. -----   | 38 50 46.7  | 91 09 58.8  | 3,586 |
| Rd. at fence N. -----  | 38 50 54.6  | 91 09 02.0  | 4,561 |
| T. 47 N., R. 2 W., center of SE 1/4 sec. 9, State Highway 47 at rd. W. -----   | 38 50 53.8  | 91 08 09.0  | 4,198 |
| Warrenton, 3 mi. N. of, along State Highway 47, in NE 1/4 NE 1/4 sec. 9, T. 47 N., R. 2 W., 18 ft. S. and 38 ft. W. from junction of rd. NW., in concrete post; standard tablet stamped "T T 1729 E R A 1935" -----  | 38 51 29.12 | 91 08 06.09 | 3,580 |
| T. 47 N., R. 2 W., quarter cor. between secs. 3 and 4, State Highway 47 at rd. E. and fence W. -----   | 38 52 00.8  | 91 07 50.2  | 3,439 |
| T. 48 N., R. 2 W., E. sixteenth cor. on S. line sec. 34, rd. corner from W.-N. -----   | 38 52 22.1  | 91 06 57.8  | 4,675 |
| T-rd. S. -----   | 38 52 48.8  | 91 06 57.1  | 2,703 |
| Warrenton, 6.3 mi. NE. of, in SW 1/4 sec. 26, T. 48 N., R. 2 W., 11 ft. N. and 37 ft. E. from rd. fork E., 1 ft. N. and 8 ft. E. from telephone pole, in concrete post; standard tablet stamped "T T 1730 E R A 1935" -----  | 38 53 21.76 | 91 06 13.73 | 4,784 |
| Rd. in line with S. face of farmhouse of Henry Schroer -----   | 38 53 19.6  | 91 05 27.0  | 3,700 |
| Rd. at fence S. -----  | 38 52 49.4  | 91 04 57.4  | 3,848 |
| T-rd. N. -----   | 38 52 24.0  | 91 04 41.0  | 2,881 |
| T. 48 N., R. 1 W., sec. 31, 528 ft. N. of stone at W. sixteenth cor. on S. line of, 40 ft. S. and 36 ft. W. from rd. at fence N., 56 ft. N. and 6 ft. E. from NE. corner of dwelling of Mrs. E. Creech, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 1738 E R A 1935" ----- | 38 52 27.91 | 91 04 01.24 | 3,165 |
| T. 48 N., R. 1 W., quarter cor. between secs. 31 and 32, rd. corner from W.-N. -----   | 38 52 48.4  | 91 03 09.4  | 4,596 |
| Rd. corner from S.-E. at NW. corner of schoolyard -----  | 38 53 14.2  | 91 02 34.3  | 3,810 |
| Rd. at fence N. -----  | 38 53 36.3  | 91 01 25.2  | 5,902 |
| T T 1732 E R A 1935 536 (previously described) -----   | 38 53 39.92 | 91 00 47.23 | 3,029 |

5. FROM SEC. 14, T. 47 N., R. 3 W., SOUTHWEST INTO NEW FLORENCE QUADRANGLE  
AT SEC. 34, T. 47 N., R. 3 W. (by C. D. Craig in 1935)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 692 E R A 1935 (previously described) -----  | 38 50 20.46 | 91 13 25.73 | ..... |
| U.S. Highway 40 at crossroad -----   | 38 50 29.1  | 91 13 36.7  | 1,237 |
| T. 47 N., R. 3 W., quarter cor. between secs. 14 and 15, rd. at fences E. and W. -----                   | 38 50 12.8  | 91 13 36.8  | 1,650 |
| T-rd. E. -----   | 38 49 46.0  | 91 13 36.9  | 2,715 |
| U.S.C. & G.S. standard disk stamped "K 148 1935" -----   | 38 49 40.41 | 91 13 57.58 | 1,733 |
| T-rd. W., 20 ft. N. and 170 ft. W. from stone in fence corner at center sec. 22, T. 47 N., R. 3 W. ----- | 38 49 20.0  | 91 14 14.4  | 2,456 |
| Rd. at fence E. -----  | 38 48 55.2  | 91 14 00.3  | 2,744 |
| Rd. in front of front door of farmhouse of C. E. Winter -----  | 38 48 24.9  | 91 14 30.5  | 3,886 |
| Blazed white-oak tree in barnyard of F. Skala -----  | 38 47 42.0  | 91 14 47.1  | 4,537 |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Pendleton, 3.5 mi. S. of, in SW 1/4 SW 1/4 sec. 34, T. 47 N., R. 3 W., 25 ft. E. of rd., in SW. corner of yard of Robert Wallace, 1 ft. N. and 5 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 1757 E R A 1935" ----- | 38 47 14.24 | 91 14 33.71 | 3,001    |

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

6. FROM WASHINGTON QUADRANGLE AT SEC. 17, T. 46 N., R. 2 W., EAST INTO WASHINGTON QUADRANGLE AT SEC. 16, T. 46 N., R. 2 W. (by C. D. Craig in 1935)

(Continued from Washington quadrangle; see line 9.)

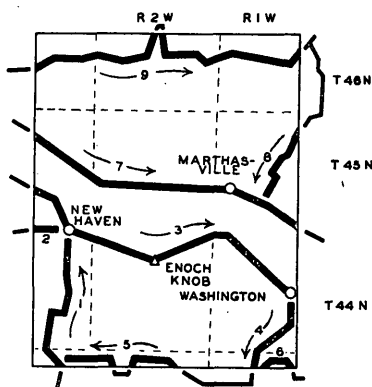
|                               |            |            |         |
|-------------------------------|------------|------------|---------|
| Steeple of brick church ----- | 38 45 23.7 | 91 08 29.5 | (3,304) |
|-------------------------------|------------|------------|---------|

(Continued in Washington quadrangle; see line 9.)

Magnetic declination 5° 20' E.

WASHINGTON QUADRANGLE  
(Latitude 38°30'-38°45'; longitude 91°00'-91°15')

Franklin and Warren Counties



1. FROM UNION QUADRANGLE NORTH ALONG COUNTY ROUTE C TO NEW HAVEN (by C. D. Craig in 1934)

(Continued from Union quadrangle; see line 3.)

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Junction of rd. E. -----   | 38 30 24.6  | 91 13 53.1  | (4,869)  |
| Highway at fence E. on line between secs. 3 and 34, Tps. 43 and 44 N., R. 3 W. -----   | 38 30 35.3  | 91 14 09.2  | 1,680    |
| Junction of rd. W. -----   | 38 30 53.1  | 91 14 47.8  | 3,553    |
| Kiel, in NE 1/4 sec. 34, T. 44 N., R. 3 W., in N. end of lower concrete step of store of O. F. Pelster; standard tablet stamped "T T 951 C 1934 755" -----   | 38 31 17.36 | 91 14 37.41 | 2,585    |
| Highway at fence E., 5 ft. E. of approximate E. sixteenth cor. between secs. 27 and 34, T. 44 N., R. 3 W. -----  | 38 31 28.4  | 91 14 32.7  | 1,181    |
| Highway at fence W. -----  | 38 32 08.6  | 91 14 21.3  | 4,170    |
| Highway in line with W. face of Maupin School, 180 ft. S. of cor. secs. 22, 23, 26, and 27, T. 44 N., R. 3 W. -----  | 38 32 20.5  | 91 14 15.7  | 1,281    |
| Junction of lane E. -----  | 38 32 32.4  | 91 13 52.8  | 2,175    |
| Highway at fences N. and S. -----  | 38 32 44.7  | 91 13 42.0  | 1,514    |
| Highway at fence E. -----  | 38 33 10.5  | 91 13 20.0  | 3,147    |
| T. 44 N., R. 3 W., quarter cor. between secs. 13 and 14, on County Route C, 25 ft. N. and 15 ft. E. from junction of rd. W., in top of S. end of E. head wall of concrete culvert over Mud Creek; standard tablet stamped "T T 952 C 1934 528" ----- | 38 33 44.11 | 91 13 08.31 | 3,522    |
| T. 44 N., R. 3 W., approximate cor. secs. 11, 12, 13, and 14, highway at fences E. and W. -----  | 38 34 10.6  | 91 13 08.8  | 2,675    |
| Highway at fence S. -----  | 38 34 28.3  | 91 12 51.9  | 2,242    |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Highway at fences E. and W., 275 ft. E. of fence corner at cor. secs. 1, 2, 11, and 12, T. 44 N., R. 3 W. -----   | 38 35 03.7  | 91 13 06.2  | 3,752    |
| T. 44 N., R. 3 W., approximate quarter cor. between secs. 1 and 2, junction of rd. W. -----   | 38 35 30.4  | 91 13 09.0  | 2,710    |
| New Haven, 0.5 mi. S. of, near N. cor. secs. 1 and 2, T. 44 N., R. 3 W., 39 ft. N. and 6 ft. W. from junction of State Highway 100 and County Route C, in concrete post; standard tablet stamped "T T 953 C 1934 628" ----- | 38 36 03.24 | 91 13 09.62 | 3,327    |

2. FROM NEW HAVEN WEST ALONG STATE HIGHWAY 100 AND COUNTY ROUTE E INTO HERMANN QUADRANGLE (by C. D. Craig in 1934)

|   |            |            |       |
|---|------------|------------|-------|
| Junction of rd. N. -----  | 38 36 01.8 | 91 13 45.6 | 2,859 |
| T. 44 N., R. 3 W., approximate N. cor. secs. 2 and 3, highway at fence S., 290 ft. W. of S. cor. secs. 34 and 35, T. 45 N., R. 3 W. ----- | 38 36 00.8 | 91 14 17.5 | 2,539 |
| Highway at fences E. and W. -----   | 38 35 42.2 | 91 14 42.3 | 2,722 |

(Continued in Hermann quadrangle; see line 5.)

3. FROM HERMANN QUADRANGLE SOUTHEAST ALONG MISSOURI PACIFIC RAILROAD TO NEW HAVEN, THENCE EAST ALONG STATE HIGHWAY 100 TO SEC. 3, T. 44 N., R. 2 W., THENCE EAST ALONG MISSOURI PACIFIC RAILROAD TO WASHINGTON (by C. D. Craig in 1934)  
(Continued from Hermann quadrangle; see line 4.)

|   |             |             |         |
|---|-------------|-------------|---------|
| New Haven, 1.7 mi. NW. of, along Missouri Pacific R.R., 45 ft. S. and about 160 ft. W. from center of double track at signal box, in top of concrete head wall of abandoned stone bridge; standard tablet stamped "T T 961 C 1935 510" -----                | 38 37 29.33 | 91 14 42.65 | (3,726) |
| Center of double track at semaphore -----   | 38 37 19.2  | 91 14 03.7  | 3,258   |
| Center of double track at semaphore -----   | 38 37 05.1  | 91 13 17.2  | 3,952   |
| New Haven, center of double track at New Olive Street crossing -----  | 38 36 55.0  | 91 12 58.1  | 1,829   |
| Trinity Lutheran Church, intersection of streets N., S., and W. at -----  | 38 36 37.5  | 91 13 03.8  | 1,821   |
| New Haven municipal water tower -----   | 38 36 27.6  | 91 13 15.7  | 1,977   |
| T T 953 C 1934 628 (previously described) -----   | 38 36 03.24 | 91 13 09.62 | 2,514   |
| Junction of rd. N. -----  | 38 36 03.2  | 91 12 50.7  | 1,500   |
| Highway at fences N. and S. -----   | 38 35 50.9  | 91 11 57.8  | 4,380   |
| Tps. 44 and 45 N., Rs. 2 and 3 W., cor. of -----  | 38 36 04.6  | 91 11 57.8  | 1,388   |
| Junction of rd. NE. -----   | 38 35 45.4  | 91 11 15.4  | 3,885   |
| Highway at fence E. -----   | 38 35 35.0  | 91 10 46.0  | 2,568   |
| New Haven, 3 mi. E. of, along State Highway 100, about 300 ft. S. of dwelling of A. Bucholtz, 35 ft. S. and 10 ft. W. from crossroad, in concrete post; standard tablet stamped "T T 962 C 1935 582" -----  | 38 35 20.46 | 91 10 17.70 | 2,684   |
| Big Boeuf Creek, center of bridge over -----  | 38 35 17.5  | 91 09 47.5  | 2,416   |
| Highway at N.-S. fence -----  | 38 35 16.9  | 91 09 26.0  | 1,709   |
| Highway at fences N. and S. -----   | 38 35 16.3  | 91 09 07.4  | 1,480   |
| Enoch Knob triangulation sta.; U.S.C. & G.S. standard disk stamped "Enoch Knob" -----   | 38 34 43.75 | 91 08 10.09 | 5,624   |
| Crossroad -----   | 38 35 18.4  | 91 08 31.8  | 3,903   |
| Highway at fences E. and W. -----   | 38 35 20.2  | 91 08 12.2  | 1,569   |
| New Haven, 5.5 mi. E. of, along State Highway 100, 230 ft. N. and 240 ft. E. from cor. secs. 2, 3, 10, and 11, T. 44 N., R. 2 W., in NE. corner of concrete floor of highway bridge over Little Boeuf Creek; standard tablet stamped "T T 963 C 1935" ----- | 38 35 24.65 | 91 07 24.00 | 3,851   |
| Center of double track at signal box near pole 61.30 -----  | 38 35 45.4  | 91 07 11.8  | 2,315   |
| Center of double track at semaphore -----   | 38 35 54.2  | 91 06 36.2  | 2,957   |
| U.S.C.E. iron post designated "P B M 55" -----  | 38 36 03.89 | 91 06 04.26 | 2,723   |
| Concrete milepost with brass plate stamped "M P 60" -----   | 38 36 09.71 | 91 05 20.64 | 3,514   |
| Washington, 5 mi. W. of, along Missouri Pacific R.R., 0.6 mi. E. of milepost 60, 15 ft. S. of center of double track, in head wall of concrete culvert; standard tablet stamped "T T 964 C 1935 498" -----  | 38 36 09.27 | 91 04 38.36 | 3,357   |
| Center of double track at signal box -----  | 38 36 07.2  | 91 04 23.5  | 1,199   |
| Center of double track at semaphore -----   | 38 35 55.0  | 91 03 48.2  | 3,057   |
| St. Johns Creek, center of bridge over -----  | 38 35 25.2  | 91 03 15.1  | 4,010   |
| T. 44 N., R. 1 W., center sec. 8, stone -----   | 38 35 00.7  | 91 03 12.6  | 2,481   |
| Washington, 2.1 mi. NW. of, along Missouri Pacific R.R., in N. end of E. head wall of concrete culvert; standard tablet stamped "T T 965 C 1935 497" -----  | 38 34 35.53 | 91 02 14.09 | 5,303   |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Center of double track at semaphore -----   | 38 34 28.6  | 91 02 03.3  | 1,107    |
| Center of double track at rd. crossing -----  | 38 34 02.4  | 91 01 22.6  | 4,181    |
| Washington, center of double track at sta.<br>semaphore -----   | 38 33 41.9  | 91 00 44.1  | 3,695    |
| Washington, Catholic Church spire -----   | 38 33 38.76 | 91 00 49.10 | 511      |
| Washington, 22 ft. S. and 12 ft. W. from inter-<br>section of Lafayette and Fifth Street (junction<br>of State Highways 47 and 100), 1 ft. S. of<br>sidewalk, in concrete post; standard tablet<br>stamped "T T 966 C 1935 568" ----- | 38 33 24.81 | 91 00 49.91 | 1,412    |

4. FROM WASHINGTON SOUTH ALONG COUNTY ROUTE A INTO UNION QUADRANGLE (by  
C. D. Craig in 1934)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 966 C 1935 568 (previously described) -----  | 38 33 24.81 | 91 00 49.91 | ..... |
| Washington, intersection of Jefferson and Market<br>Streets -----  | 38 33 14.4  | 91 00 49.5  | 1,049 |
| Junction of rd. E. -----   | 38 32 42.7  | 91 00 59.7  | 3,317 |
| Highway at fences E. and W. -----  | 38 32 15.3  | 91 01 06.3  | 2,816 |
| T. 44 N., R. 1 W., cor. secs. 27, 28, 33, and 34,<br>stone, 510 ft. W. of highway at E.-W. fence ---   | 38 31 47.9  | 91 01 26.8  | 3,218 |
| Washington, 2.4 mi. S. of, along County Route A,<br>in E 1/2 sec. 33, T. 44 N., R. 1 W., 20 ft. N.<br>and 25 ft. W. from junction of rd. SE., in<br>concrete post; standard tablet stamped "T T<br>967 C 1935 695" ----- | 38 31 27.09 | 91 01 33.31 | 2,167 |
| Highway at fence N. -----  | 38 31 14.7  | 91 02 02.3  | 2,626 |
| Highway at fences N. and S. on line between secs.<br>4 and 5, T. 43 N., R. 1 W., 600 ft. N. and 417<br>ft. E. from junction of rds. N. and W. -----  | 38 30 46.3  | 91 02 41.1  | 4,216 |
| Highway at fence W. -----  | 38 30 27.6  | 91 02 41.6  | 1,891 |

(Continued in Union quadrangle; see line 4.)

5. FROM UNION QUADRANGLE AT SEC. 2, T. 43 N., R. 2 W., WEST TO SEC. 2,  
T. 43 N., R. 3 W. (by C. D. Craig in 1934)  
(Continued from Union quadrangle; see line 6.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Clover Bottom, 0.6 mi. E. of, in SE 1/4 sec. 2,<br>T. 43 N., R. 2 W., 25 ft. N. and 22 ft. E.<br>from rd. fork NW., 3 ft. E. of fence, in<br>concrete post; standard tablet stamped "T T<br>971 C 1935 537" -----    | 38 30 04.48 | 91 06 09.12 | (2,821) |
| Clover Bottom, rd. in line with E. face of store-<br>T. 43 N., R. 2 W., approximate quarter cor.<br>between secs. 2 and 3, rd. at fence S. -----   | 38 30 09.6  | 91 06 44.0  | 2,818   |
| T. 43 N., R. 2 W., approximate center sec. 3,<br>T-rd. N. and fence S. -----   | 38 30 19.6  | 91 07 28.5  | 3,685   |
| T. 43 N., R. 2 W., quarter cor. between secs. 3<br>and 4, 25 ft. N. and 8 ft. E. from rd. at fence<br>N., on land owned by Martin Leaker, in concrete<br>post; standard tablet stamped "T T 972 C 1935<br>645" ----- | 38 30 20.1  | 91 08 02.0  | 2,660   |
| T. 43 N., R. 2 W., approximate center sec. 4, rd.<br>at fence N. -----   | 38 30 20.37 | 91 08 34.50 | 2,587   |
| Rd. at lane S. and fence N. -----  | 38 30 18.3  | 91 09 09.1  | 2,760   |
|  | 38 30 04.0  | 91 09 44.2  | 3,140   |

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

|   |            |            |         |
|---|------------|------------|---------|
| Rd. at fences N. and S. -----                   | 38 30 00.1 | 91 11 41.4 | (1,439) |
| T-rd. S. -----                                  | 38 30 02.8 | 91 12 22.5 | 3,282   |
| Rd. at fences N. and S. -----                   | 38 30 15.8 | 91 12 49.7 | 2,534   |
| T-rd. S. -----                                  | 38 30 19.6 | 91 13 22.2 | 2,610   |
| Junction of rd. E. (previously described) ----- | 38 30 24.6 | 91 13 53.1 | 2,508   |

6. FROM UNION QUADRANGLE AT SEC. 8, T. 43 N., R. 1 W., EAST INTO UNION  
QUADRANGLE AT SEC. 10, T. 43 N., R. 1 W. (by C. D. Craig in 1934)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 968 C 1935 764 (In Union quadrangle; see<br>line 4.) -----  | 38 29 50.93 | 91 02 43.50 | ..... |
| Rd. at fence S. -----   | 38 30 00.5  | 91 02 23.5  | 1,865 |
| Rd. at fence N. -----   | 38 30 01.0  | 91 02 05.8  | 1,407 |
| T. 43 N., R. 1 W., cor. secs. 3, 4, 9, and 10,<br>stone in center of rd., 20 ft. S. and 10 ft.<br>E. from triangular-blazed 24-in. black-oak tree | 38 30 02.0  | 91 01 29.8  | 2,863 |
| T-rd. W. -----  | 38 30 01.0  | 91 00 42.4  | 3,768 |

(Continued in Union quadrangle; see line 7.)

| Station | Latitude | Longitude | Distance |
|---------|----------|-----------|----------|
|         | ° ' "    | ° ' "     | Feet     |

7. FROM HERMANN QUADRANGLE SOUTHEAST ALONG MISSOURI-KANSAS-TEXAS RAILROAD  
 INTO AUGUSTA QUADRANGLE (by C. D. Craig in 1935-36)  
 (Continued from Hermann quadrangle; see line 7.)

|   |             |             |         |
|---|-------------|-------------|---------|
| R.R. at rd. crossing -----  | 38 39 44.1  | 91 14 40.6  | (4,440) |
| R.R. at rd. crossing -----  | 38 39 22.9  | 91 14 07.8  | 3,371   |
| Bernheimer, 2.7 mi. E. of, along Missouri-Kansas-<br>Texas R.R., 6 ft. S. and 35 ft. E. from private<br>rd. crossing, 12 ft. N. of track, in top of<br>concrete pipe culvert; standard tablet stamped<br>"T T 1742 E R A 1935" -----                | 38 38 48.73 | 91 13 07.72 | 5,886   |
| R.R. at rd. crossing -----  | 38 38 44.5  | 91 12 56.2  | 1,012   |
| R.R. at milepost 86 -----   | 38 38 40.7  | 91 12 37.5  | 1,527   |
| R.R. at crossing of County Route N. -----   | 38 38 36.7  | 91 11 35.5  | 4,940   |
| Treloar, main track at sta. semaphore -----   | 38 38 35.7  | 91 11 16.1  | 1,542   |
| Treloar, 0.9 mi. E. of, along Missouri-Kansas-<br>Texas R.R., 180 ft. W. of private rd. crossing,<br>11 ft. N. of track, 3 ft. W. of fence post, in<br>top of concrete head wall of culvert; standard<br>tablet stamped "T T 1743 E R A 1935" ----- | 38 38 26.71 | 91 10 18.34 | 4,669   |
| R.R. at rd. crossing -----  | 38 38 18.6  | 91 09 31.1  | 3,836   |
| R.R. at concrete culvert -----  | 38 38 08.0  | 91 08 37.0  | 4,422   |
| Peers, main track at rd. crossing -----   | 38 38 01.0  | 91 07 25.2  | 5,739   |
| Peers, 0.8 mi. E. of, along Missouri-Kansas-Texas<br>R.R., 190 ft. W. of E. end of bridge over<br>Charrette Creek, 9 ft. N. of track, in concrete<br>head wall of culvert; standard tablet stamped<br>"T T 1744 E R A 1935" -----                   | 38 38 02.28 | 91 06 29.43 | 4,431   |
| R.R. at rd. crossing -----  | 38 37 58.8  | 91 05 13.6  | 6,024   |
| Main track under State Highway 47 bridge -----  | 38 37 41.0  | 91 03 58.8  | 6,209   |
| Iron pipe with cap stamped "U S B M Mo Riv Comm" -----  | 38 37 44.75 | 91 03 35.06 | 1,917   |
| R.R. at fence N. -----  | 38 37 28.4  | 91 03 10.2  | 2,572   |
| Marthasville, 1.5 mi. E. of, along Missouri-<br>Kansas-Texas R.R., in concrete abutment at NW<br>corner of steel bridge over Tuque Creek;<br>standard tablet stamped "T T 1745 E R A 1935" -----  | 38 37 07.89 | 91 02 10.25 | 5,190   |
| R.R. at rd. crossing -----  | 38 36 58.5  | 91 01 42.5  | 2,401   |
| R.R. at private rd. crossing -----  | 38 36 38.9  | 91 00 50.0  | 4,612   |
| R.R. at rd. crossing -----  | 38 36 26.1  | 91 00 22.1  | 2,567   |

(Continued in Augusta quadrangle; see line 4.)

8. FROM AUGUSTA QUADRANGLE AT SEC. 2, T. 45 N., R. 1 W., SOUTHWEST TO POINT  
 ABOUT 1.5 MILES EAST OF MARTHASVILLE (by C. D. Craig in 1935-36)  
 (Continued from Augusta quadrangle; see line 3.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Rd. at fence W. -----   | 38 40 50.5  | 91 00 10.5  | (2,434) |
| Rd. in front of blazed 6-in. post-oak tree -----  | 38 40 13.3  | 91 00 44.0  | 4,605   |
| Marthasville, 4 mi. NE. of, 32 ft. N. and 45 ft.<br>W. from stone at cor. secs. 9, 10, 15, and 16,<br>T. 45 N., R. 1 W., in concrete abutment at SE.<br>corner of steel bridge over Tuque Creek;<br>standard tablet stamped "T T 1740 E R A 1935" ----- | 38 39 48.87 | 91 01 09.11 | 3,175   |
| Rd. at walk to farmhouse of L. Poeller -----  | 38 39 19.9  | 91 01 22.1  | 3,108   |
| Center of triangle at rd. fork W. -----   | 38 38 53.8  | 91 01 38.4  | 2,936   |
| Center of triangle at rd. fork E. -----   | 38 38 25.9  | 91 01 19.3  | 3,207   |
| Center of triangle at rd. fork NW. -----  | 38 38 00.1  | 91 01 59.3  | 4,106   |
| Marthasville, 1 mi. E. of, 18 ft. S. and 26 ft.<br>E. from rd. forks, in top of concrete pier at<br>SW. corner of steel bridge over Tuque Creek;<br>standard tablet stamped "T T 1741 E R A 1935" -----   | 38 37 37.92 | 91 02 21.59 | 2,858   |
| Tuque triangulation sta.; M.R.C. iron pipe -----  | 38 37 15.91 | 91 02 27.60 | 2,276   |
| T T 1745 E R A 1935 (previously described) -----  | 38 37 07.69 | 91 02 10.25 | 1,598   |

9. FROM HERMANN QUADRANGLE AT SEC. 21, T. 46 N., R. 3 W., EAST INTO AUGUSTA  
 QUADRANGLE AT SEC. 23, T. 46 N., R. 1 W. (by C. D. Craig in 1935-36)  
 (Continued from Hermann quadrangle; see line 9.)

|  |             |             |         |
|--|-------------|-------------|---------|
| T. 46 N., R. 3 W., in SW 1/4 sec. 15, 10 mi. SW.<br>of Warrenton, 33 ft. E. of rd., 20 ft. S. and<br>135 ft. W. from SW. corner of dwelling of<br>John Mueller, 4 ft. S. and 2 ft. W. from fence<br>post at NW. corner of garden, in concrete<br>post; standard tablet stamped "T T 1 C 1936" -- | 38 44 18.25 | 91 14 42.79 | (5,147) |
| T. 46 N., R. 3 W., quarter cor. between secs. 15<br>and 22, post in rock pile at NW. corner of farm<br>of F. W. Backhaus -----   | 38 44 17.9  | 91 14 18.9  | 1,894   |
| T. 46 N., R. 3 W., cor. secs. 14, 15, 22, and 23,<br>iron pin in rock pile -----   | 38 44 17.3  | 91 13 44.8  | 2,705   |
| Fence post at NW. corner of garden -----   | 38 44 07.5  | 91 13 29.6  | 1,559   |
| T. 46 N., R. 3 W., E. sixteenth cor. between<br>secs. 14 and 23, corner of rail fences N. and<br>E. -----  | 38 44 17.1  | 91 12 52.0  | 3,136   |

| Station  | Latitude                               | Longitude                              | Distance                |
|--|--|--|-------------------------|
|  | ° ' "                                  | ° ' "                                  | Feet                    |
| T. 46 N., R. 3 W., in NW 1/4 SW 1/4 sec. 13,<br>8 mi. SW. of Warrenton, along Pickney Ridge<br>rd., 14 ft. S. and 28 ft. E. from rd. fork<br>SE., 9 ft. S. and 7 ft. E. from fence corner,<br>in concrete post; standard tablet stamped "T T<br>2 C 1936" -----  | 38 44 31.57                            | 91 12 29.28                            | 2,323                   |
| T. 46 N., R. 3 W., quarter cor. between secs. 13<br>and 24, rock pile 4 ft. N. of 20-in. white-oak<br>tree -----   | 38 44 19.3<br>38 44 11.5<br>38 43 59.0 | 91 11 59.4<br>91 11 26.8<br>91 10 48.6 | 2,678<br>2,701<br>3,276 |
| SW. corner of dwelling belonging to A. W. Wehmyer<br>NE. corner of farmhouse -----   | 38 44 03.4<br>38 43 53.2               | 91 10 22.0<br>91 09 58.8               | 2,158<br>2,045          |
| T. 46 N., R. 2 W., center of NE 1/4 sec. 19,<br>stone -----  |  |  |                         |
| SW. corner of farmhouse of Henry Vieght -----  |  |  |                         |
| T. 46 N., R. 2 W., in SE 1/4 NE 1/4 sec. 20,<br>6 mi. S. of Warrenton, along State Highway 47,<br>34 ft. W. of highway, 21 ft. N. and 23 ft. E.<br>from SE. corner of yard of Henry Seivert, 2<br>ft. N. of concrete right-of-way marker, in<br>concrete post; standard tablet stamped "T T<br>3 C 1936" ----- | 38 44 00.78                            | 91 09 02.92                            | 4,569                   |
| State Highway 47 at yard fence SW. on N. side of<br>filling sta. -----   | 38 44 30.4                             | 91 08 56.7                             | 3,042                   |
| T. 46 N., R. 2 W., N. sixteenth cor. between<br>secs. 16 and 17, fence corner -----  | 38 44 55.8                             | 91 08 51.2                             | 2,603                   |

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

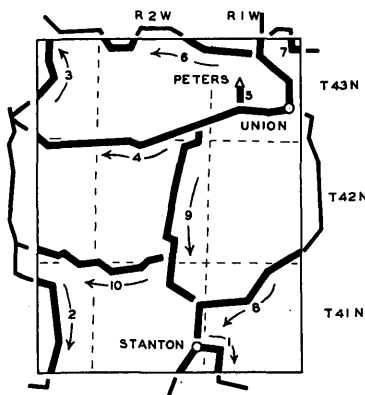
|   |                          |                          |                |
|---|--------------------------|--------------------------|----------------|
| Twenty-in. sycamore tree at fence corner -----  | 38 44 34.4               | 91 06 19.0               | (5,049)        |
| T. 46 N., R. 2 W., S. sixteenth cor. between<br>secs. 15 and 16, rock pile -----  | 38 44 29.6<br>38 44 30.2 | 91 07 46.0<br>91 07 09.3 | 2,666<br>2,906 |
| Rd. at fence E. -----   |                          |                          |                |
| Apple tree in fence corner, 90 ft. W. of W. fork<br>of Charrette Creek -----  | 38 44 23.9               | 91 06 19.6               | 3,988          |
| T. 46 N., R. 2 W., in SE 1/4 sec. 14, 2.9 mi.<br>E., thence 5.4 mi. S. from Warrenton, along<br>Charrette Creek rd., 18 ft. N. and 245 ft. W.<br>from rd. at entrance to farm of Gustav Pauk,<br>23 ft. S. and 31 ft. W. from fence corner,<br>2 ft. W. of fence, in concrete post; standard<br>tablet stamped "T T 4 C 1936" ----- | 38 44 30.25              | 91 05 58.99              | 1,760          |
| Rd. forks near forks of Charrette Creek, 22 ft.<br>N. and 17 ft. W. from cedar post at quarter<br>cor. between secs. 23 and 24, T. 46 N.,<br>R. 2 W. -----  | 38 43 53.4<br>38 44 28.3 | 91 05 31.5<br>91 04 54.4 | 4,320<br>4,597 |
| NW. corner of dwelling of Louis Nistendirks -----   |                          |                          |                |
| Stone on line between secs. 13 and 18, T. 46 N.,<br>Rs. 1 and 2 W., 286 ft. S. of fence corner -----  | 38 44 35.3               | 91 04 31.4               | 1,962          |
| T. 46 N., R. 1 W., W. sixteenth cor. sec. 18,<br>stone -----  | 38 44 47.9               | 91 04 11.9               | 2,003          |
| T. 46 N., R. 1 W., in NE 1/4 sec. 18, 7.1 mi.<br>SW. of Wright City, 0.1 mi. S. of junction of<br>rds. to Truesdail and Wright City, 16 ft. E.<br>of rd., 25 ft. W. of SW. corner of dwelling of<br>Joseph Duff, 1 ft. W. of fence, in concrete<br>post; standard tablet stamped "T T 5 C 1936" --                                  | 38 44 57.32              | 91 03 35.40              | 3,042          |
| Rd. opposite triangular-blazed 12-in. black-oak<br>tree -----   | 38 44 08.9               | 91 03 07.0               | 5,393          |
| Rd. at point 33 ft. S. of triangular-blazed<br>14-in. white-oak tree at SW. corner of clearing<br>T-rd. S. -----  | 38 43 54.0<br>38 43 48.3 | 91 02 33.6<br>91 02 00.5 | 3,052<br>2,665 |
| T. 46 N., R. 1 W., in NE 1/4 SE 1/4 sec. 21,<br>30 ft. N. and 20 ft. W. from T-rd. N., 12 ft.<br>N. and 5 ft. W. from 20-in. post-oak tree, in<br>concrete post; standard tablet stamped "T T<br>6 C 1936" -----  | 38 43 43.62              | 91 01 18.19              | 3,367          |
| T. 46 N., R. 1 W., quarter cor. between secs. 21<br>and 22, stone in fence corner -----   | 38 43 51.5<br>38 43 44.2 | 91 01 10.3<br>91 00 36.0 | 1,015<br>2,815 |
| T-rd. N. -----  | 38 43 45.7               | 91 00 18.8               | 1,371          |
| T-rd. E. -----  | 38 44 02.6               | 91 00 01.1               | 2,229          |
| Rd. at fences N., S., and W. -----  |                          |                          |                |

(Continued in Augusta quadrangle; see line 5.)

Magnetic declination 5° 13' E.

UNION QUADRANGLE  
(Latitude 38°15'-38°30'; longitude 91°00'-91°15')

Franklin County



1. FROM BOURBON QUADRANGLE NORTHEAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO STANTON, THENCE SOUTHEAST INTO BOURBON QUADRANGLE AT SEC. 31, T. 41 N., R. 1 W. (by G. L. Krattler in 1934)  
(Continued from Bourbon quadrangle; see line 2.)

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Stanton, 2 mi. SW. of, along St. Louis-San Francisco Ry., 120 ft. W. of rd. crossing on line between secs. 34 and 35, T. 41 N., R. 2 W., on N. side of track, 3 ft. inside of fence; iron post stamped "910" ----- | 38 15 09.76 | 91 07 32.45 | (1,977)  |
| St. Louis-San Francisco Ry. at rd. crossing -----  | 38 15 49.4  | 91 06 43.4  | 5,603    |
| Stanton, about 50 ft. W. of St. Louis-San Francisco Ry. sta., 60 ft. from track, in SE. corner of foundation of hotel owned by Lewis Wisbruger, in cornerstone; standard tablet stamped "882" -----                | 38 16 29.10 | 91 06 18.30 | 4,487    |
| T. 41 N., R. 2 W., approximate cor. secs. 23, 24, 25, and 26, rock pile -----  | 38 16 16.6  | 91 06 24.2  | 1,354    |
| Rd. fork SE. -----   | 38 16 12.6  | 91 05 26.0  | 4,661    |
| Rd. fork E. -----  | 38 15 35.4  | 91 04 50.4  | 4,717    |
| Meramec River, rd. opposite ferry landing on N. bank of -----  | 38 15 06.1  | 91 04 57.9  | 3,015    |

(Continued in Bourbon quadrangle; see line 3.)

2. FROM GERALD QUADRANGLE AT SEC. 3, T. 41 N., R. 3 W., SOUTH INTO BOURBON QUADRANGLE AT SEC. 34, T. 41 N., R. 3 W. (by C. D. Craig in 1934)  
(Continued from Gerald quadrangle; see line 7.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Spring Bluff, 2.3 mi. NW. of, in NE 1/4 SW 1/4 sec. 3, T. 41 N., R. 3 W., 50 ft. S. and 13 ft. W. from SW. corner of dwelling of L. F. Roach, 29 ft. N. of rd., in concrete post; standard tablet stamped "T T 942 C 1934 745" -----                                  | 38 19 08.82 | 91 14 54.50 | (2,240) |
| Rd. at fences N. and S., 153 ft. S. of S. sixteenth cor. between secs. 2 and 3, T. 41 N., R. 3 W. -----   | 38 19 02.6  | 91 14 12.2  | 3,431   |
| T-rd. W. -----  | 38 18 37.5  | 91 14 05.1  | 2,603   |
| T-rd. E. and rd. fork SE. -----   | 38 18 06.1  | 91 14 09.5  | 3,204   |
| Spring Bluff, rd. forks at -----  | 38 17 44.2  | 91 14 15.3  | 2,259   |
| Rd. forks at fences E. and W. -----   | 38 17 17.9  | 91 14 02.5  | 2,858   |
| Spring Bluff, 1 mi. S. of, along Elmont-Spring Bluff rd., 900 ft. S. of N. cor. secs. 22 and 23, T. 41 N., R. 3 W., 220 ft. N. of junction of rd. W., 29 ft. W. of rd., 4 ft. E. of N.-S. fence, in concrete post; standard tablet stamped "T T 943 C 1934 879" ----- | 38 16 55.96 | 91 14 13.64 | 2,388   |
| T. 41 N., R. 3 W., approximate quarter cor. between secs. 22 and 23, rd. at fences E. and W. -----  | 38 16 37.7  | 91 14 13.4  | 1,849   |
| Rd. at fence E. -----   | 38 16 17.1  | 91 14 27.4  | 2,370   |



| Station  | Latitude   | Longitude  | Distance |
|--|------------|------------|----------|
|  | ° ' "      | ° ' "      | Feet     |
| T. 41 N., R. 3 W., approximate center of<br>NE 1/4 sec. 27, rd. at fences E. and W. -----                    | 38 15 58.5 | 91 14 28.8 | 1,881    |
| Rd. fork S. -----  | 38 15 40.3 | 91 14 45.7 | 2,284    |
| T. 41 N., R. 3 W., approximate N. sixteenth<br>cor. sec. 34, rd. at fence E., 17 ft. N. of<br>fence W. ----- | 38 15 05.6 | 91 14 46.2 | 3,506    |

(Continued in Bourbon quadrangle; see line 12.)

3. FROM GERALD QUADRANGLE NORTHEAST ALONG COUNTY ROUTE C INTO WASHINGTON  
QUADRANGLE (by C. D. Craig in 1934)

(Continued from Gerald quadrangle; see line 10.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Highway at fences E. and W. -----   | 38 27 52.2  | 91 14 59.3  | (1,762) |
| Junction of rd. W. -----  | 38 28 18.7  | 91 14 49.4  | 2,801   |
| Junction of rd. W. -----  | 38 28 29.5  | 91 14 45.2  | 1,140   |
| T. 43 N., R. 3 W., E. sixteenth cor. sec. 10,<br>320 ft. W. of County Route C at fence E.,<br>25 ft. N. and 25 ft. W. from old highway at<br>rd. W., in corn field, in concrete post;<br>standard tablet stamped "T T 946 C 1934 840" - | 38 29 12.60 | 91 14 32.13 | 4,482   |
| T. 43 N., R. 3 W., cor. secs. 2, 3, 10, and 11,<br>stone, 35 ft. E. of rd. at fence W. -----  | 38 29 38.9  | 91 14 12.0  | 3,101   |

(Continued in Washington quadrangle; see line 1.)

4. FROM WASHINGTON QUADRANGLE SOUTHEAST ALONG COUNTY ROUTE A TO UNION, THENCE  
WEST ALONG U.S. HIGHWAY 50 INTO GERALD QUADRANGLE (by C. D. Craig in  
1934)

(Continued from Washington quadrangle; see line 4.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Krakow, in NE 1/4 sec. 8, T. 43 N., R. 1 W.,<br>30 ft. E. of County Route A at rd. W., in<br>concrete post; standard tablet stamped "T T<br>968 C 1935 764" -----   | 38 29 50.93 | 91 02 43.50 | (3,711) |
| T. 43 N., R. 1 W., approximate cor. secs. 8, 9,<br>16, and 17, 350 ft. W. of highway at fence E. -  | 38 29 05.3  | 91 02 41.4  | 4,620   |
| Highway at fence N. -----   | 38 28 41.9  | 91 02 12.1  | 3,320   |
| Spire of Evangelical Church -----   | 38 28 53.2  | 91 01 50.1  | 2,097   |
| Union, 2.4 mi. N. of, along County Route A, near<br>center of W 1/2 sec. 15, T. 43 N., R. 1 W.,<br>120 ft. NE. of highway at rd. NE., 20 ft. N.<br>of rd., in concrete post; standard tablet<br>stamped "T T 969 C 1935 777" -----  | 38 28 39.10 | 91 01 21.95 | 2,656   |
| Highway at entrance to St. Paul's Lutheran<br>Cemetery -----  | 38 28 01.7  | 91 00 55.8  | 4,319   |
| Union, municipal water tower -----  | 38 27 26.2  | 91 00 40.8  | 3,787   |
| Chicago, Rock Island & Pacific Ry. main track at<br>highway crossing -----  | 38 27 07.0  | 91 00 37.3  | 1,956   |
| Union, intersection of Main Street and Washington<br>Avenue -----   | 38 26 43.6  | 91 00 30.7  | 2,431   |
| Union, 46 ft. S. and 26 ft. W. from junction of<br>U.S. Highway 50 and County Route A, between<br>sidewalk and ditch, in concrete post; standard<br>tablet stamped "T T 970 C 1935 544" -----   | 38 26 31.99 | 91 00 23.33 | 1,308   |
| T. 43 N., R. 1 W., approximate quarter cor.<br>between secs. 27 and 34, highway at fence S. --  | 38 26 21.3  | 91 00 55.9  | 2,806   |
| Crossroad -----   | 38 26 20.8  | 91 01 19.8  | 1,900   |
| Junction of rd. E. -----  | 38 26 31.4  | 91 01 42.4  | 2,091   |
| Crossroad -----   | 38 26 35.1  | 91 02 24.4  | 3,361   |
| Highway at fences N. and S. -----   | 38 26 41.0  | 91 02 41.7  | 1,500   |
| Union, 3 mi. W. of, along U.S. Highway 50, in<br>SE 1/4 NW 1/4 sec. 29, T. 43 N., R. 1 W.,<br>28 ft. N. and 10 ft. W. from junction of rd.<br>S. and private drive to dwelling of<br>E. H. Borgman, in concrete post; standard<br>tablet stamped "T T 974 E R A 1935 743" ----- | 38 26 53.49 | 91 03 26.85 | 3,810   |
| Center of bridge over Chicago, Rock Island &<br>Pacific Ry. -----   | 38 26 56.1  | 91 04 00.6  | 2,701   |
| Junction of rd. N. -----  | 38 26 59.9  | 91 04 33.8  | 1,881   |
| Junction of rd. N. -----  | 38 26 45.9  | 91 04 55.5  | 2,890   |
| T. 43 N., R. 2 W., E. cor. secs. 25 and 36,<br>stone in N.-S. fence, 107 ft. S. of fence<br>corner at W. cor. secs. 30 and 31, T. 43 N.,<br>R. 1 W. -----   | 38 26 21.2  | 91 05 12.6  | 2,852   |
| Jeffriesburg, 0.7 mi. SW. of, along U.S. Highway<br>50, in NW 1/4 sec. 36, T. 43 N., R. 2 W.,<br>22 ft. S. and 38 ft. E. from N.-S. crossroad,<br>in concrete post; standard tablet stamped "T T<br>975 E R A 1935 743" -----   | 38 26 00.33 | 91 05 50.61 | 3,687   |
| Junction of rd. S. to church -----  | 38 25 49.8  | 91 06 39.0  | 3,993   |
| Spire of St. Jordan's Evangelical Church -----  | 38 25 31.7  | 91 06 37.4  | 1,840   |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Highway at fence S. -----  | 38 25 41.7  | 91 07 05.3  | 2,446    |
| T. 43 N., R. 2 W., S. sixteenth cor. between<br>secs. 34 and 35, 150 ft. N. of highway at<br>fences N. and S. -----  | 38 25 36.4  | 91 07 29.9  | 2,023    |
| T. 43 N., R. 2 W., probable W. sixteenth cor. on<br>S. line sec. 34, stone, 178 ft. E. of probable<br>W. sixteenth cor. on N. line sec. 3, T. 42 N.,<br>R. 2 W., 300 ft. S. of highway at fences N. and<br>S. -----  | 38 25 20.2  | 91 08 20.4  | 4,345    |
| Highway at fences N. and S. on line between<br>secs. 3 and 4, T. 42 N., R. 2 W. -----  | 38 25 13.5  | 91 08 37.5  | 1,519    |
| Beaufort, 2 mi. E. of, along U.S. Highway 50, in<br>NE 1/4 sec. 4, T. 42 N., R. 2 W., 30 ft. N.<br>and 5 ft. E. from highway at fence N., 2 ft.<br>S. and 5 ft. E. from fence corner, in concrete<br>post; standard tablet stamped "T T 976 E R A<br>1935 833" -----   | 38 25 05.31 | 91 08 58.78 | 1,889    |
| Highway at fence N. along E. side of yard -----  | 38 25 11.7  | 91 10 18.9  | 6,410    |
| Junction of rd. S. at fence N., 350 ft. S. of<br>fence corner at N. cor. secs. 5 and 6,<br>T. 42 N., R. 2 W. -----   | 38 25 11.4  | 91 10 56.7  | 3,012    |
| Beaufort, crossroad at -----   | 38 25 14.6  | 91 11 19.3  | 1,831    |
| Beaufort, 0.8 mi. W. of, along U.S. Highway 50,<br>near N. sixteenth cor. on E. line sec. 1,<br>T. 42 N., R. 3 W., 91 ft. S. and 73 ft. W.<br>from junction of rd. SE, 40 ft. N. and 30 ft.<br>W. from Chicago, Rock Island & Pacific Ry. at<br>rd. crossing, 5 ft. E. of fence corner, in<br>concrete post; standard tablet stamped "T T<br>977 E R A 1935 801" ----- | 38 25 04.73 | 91 12 05.63 | 3,819    |
| Junction of rd. N. -----   | 38 25 19.1  | 91 12 51.3  | 3,917    |
| Leslie, highway at fence N., 77 ft. S. and<br>121 ft. E. from spire of Zion Methodist Church-<br>Leslie, junction of rd. S. near Chicago, Rock<br>Island & Pacific Ry. sta. -----  | 38 25 13.0  | 91 13 23.8  | 2,656    |
| Tps. 42 and 43 N., R. 3 W., cor. secs. 2, 3, 34,<br>and 35, stone -----  | 38 25 09.0  | 91 13 52.1  | 2,293    |
| Junction of rds. N., S., and E. -----  | 38 25 12.9  | 91 14 13.6  | 1,756    |
|  | 38 25 04.0  | 91 14 34.6  | 1,902    |

(Continued in Gerald quadrangle; see line 8.)

## 5. FROM SEC. 30, T. 43 N., R. 1 W., NORTH ABOUT 1 MILE (by C. D. Craig in 1935)

|  |             |             |       |
|--|-------------|-------------|-------|
| Center of bridge over Chicago, Rock Island &<br>Pacific Ry. (previously described) ----- | 38 26 56.1  | 91 04 00.6  | ..... |
| Rd. at fence E. -----  | 38 27 16.2  | 91 04 26.1  | 2,866 |
| T-rd. NW. -----  | 38 27 34.3  | 91 04 02.8  | 2,609 |
| Peters triangulation sta.; U.S.C. & G.S. standard<br>disk stamped "Peters" -----         | 38 27 46.53 | 91 03 46.21 | 1,807 |

6. FROM SEC. 8, T. 43 N., R. 1 W., WEST INTO WASHINGTON QUADRANGLE AT  
SEC. 6, T. 43 N., R. 2 W. (by C. D. Craig in 1935)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 968 C 1935 764 (previously described) -----   | 38 29 50.93 | 91 02 43.50 | ..... |
| T-rd. S. -----  | 38 29 45.6  | 91 03 16.8  | 2,703 |
| T-rd. N. at fence S. -----  | 38 29 50.4  | 91 04 07.8  | 4,085 |
| T. 43 N., R. 1 W., quarter cor. between secs. 6<br>and 7, stone, 370 ft. N. of rd. at fences N.<br>and S. ----- | 38 29 58.5  | 91 04 25.1  | 1,602 |
| Rd. fork S. -----   | 38 29 54.9  | 91 04 47.6  | 1,829 |
| Rd. at fence S. -----   | 38 29 52.7  | 91 05 06.0  | 1,474 |
| Center of bridge over creek -----   | 38 29 51.7  | 91 05 37.6  | 2,517 |

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

|   |             |             |         |
|---|-------------|-------------|---------|
| T-rd. S., 311 ft. S. and 15 ft. W. from center<br>of SW 1/4 sec. 5, T. 43 N., R. 2 W. -----   | 38 29 56.6  | 91 10 33.3  | (3,934) |
| T. 43 N., R. 2 W., near center of S 1/2 sec. 6,<br>near Lutheran Cemetery, 45 ft. S. (25 ft. S.<br>by levelman) and 105 ft. E. from T-rd. S.,<br>25 ft. S. of rd. at fence N., in concrete post;<br>standard tablet stamped "T T 973 E R A 1935<br>820" ----- | 38 29 56.34 | 91 11 23.96 | 4,036   |

(Continued in Washington quadrangle; see line 5.)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| 7. FROM WASHINGTON QUADRANGLE AT SEC. 10, T. 43 N., R. 1 W., EAST INTO ST. CLAIR QUADRANGLE AT SEC. 11, T. 43 N., R. 1 W. (by C. D. Craig in 1935)<br>(Continued from Washington quadrangle; see line 6.)   |             |             |          |
| Krakow, 2.5 mi. E. of, 180 ft. S. and 2 ft. W. from N. sixteenth cor. between secs. 10 and 11, T. 43 N., R. 1 W., 10 ft. N. and 10 ft. E. from junction of rds. S. and NW., 32 ft. N. of bend in rd. from S.-NW., 2 ft. W. of fence, in concrete post; standard tablet stamped "T T 988 E R A 1935 652" ----- | 38 29 44.57 | 91 00 16.92 | (2,623)  |
| (Continued in St. Clair quadrangle; see line 4.)  |             |             |          |

|  |   |   |                         |
|--|---|---|-------------------------|
| 8. FROM ST. CLAIR QUADRANGLE SOUTHWEST ALONG U.S. HIGHWAY 66 AND ST. LOUIS-SAN FRANCISCO RAILWAY TO STANTON (by C. D. Craig in 1934)<br>(Continued from St. Clair quadrangle; see line 3.)   |   |   |                         |
| U.S. Highway 66 at fence S., 560 ft. N. of center of SW 1/4 sec. 35, T. 42 N., R. 1 W. ---   | 38 20 19.0                              | 91 00 04.5                              | (4,490)                 |
| St. Clair, 1.5 mi. W. of, along U.S. Highway 66, 340 ft. E. of rd. N., on line between secs. 34 and 35, T. 42 N., R. 1 W., 57 ft. N. of highway, on S. bank of small pond, in 3- by 3-ft. concrete block; standard tablet stamped "T T 980 E R A 1935 809" -----                                   | 38 20 19.13<br>38 20 14.6               | 91 00 17.97<br>91 00 50.1               | 1,073<br>2,601          |
| R.R. at semaphore -----  |   |   |                         |
| R.R. at fence E. on line between secs. 3 and 34, Tps. 41 and 42 N., R. 1 W. -----  | 38 19 50.2                              | 91 01 10.5                              | 2,950                   |
| R.R. at fence E., 860 ft. W. of W. sixteenth cor. sec. 3, T. 41 N., R. 1 W. -----  | 38 19 34.3                              | 91 01 25.5                              | 2,010                   |
| R.R. at rd. crossing -----   | 38 19 12.7                              | 91 01 49.6                              | 2,905                   |
| R.R. at rd. crossing -----   | 38 18 57.6                              | 91 02 03.2                              | 1,879                   |
| Anaconda, 0.6 mi. NE. of, along St. Louis-San Francisco Ry., in NE 1/4 SW 1/4 sec. 9, T. 41 N., R. 1 W., 10 ft. N. and 50 ft. E. from rd. crossing, at entrance to farm of Oscar Helling, 2 ft. W. of fence, in concrete post; standard tablet stamped "T T 981 E R A 1935 847" -----              | 38 18 31.24<br>38 18 05.3<br>38 18 01.1 | 91 02 12.18<br>91 02 24.6<br>91 03 00.6 | 2,759<br>2,803<br>2,902 |
| Anaconda, main track at rd. crossing near sta. ---   |   |   |                         |
| R.R. at fence N. -----   |   |   |                         |
| R.R. at fence N., 212 ft. N. of iron pin at center of NW 1/4 sec. 17, T. 41 N., R. 1 W. ---  | 38 18 04.4                              | 91 03 35.4                              | 2,794                   |
| R.R. at fences N. and S. -----   | 38 17 55.8                              | 91 04 10.0                              | 2,892                   |
| R.R. at semaphore -----  | 38 18 01.7                              | 91 04 36.1                              | 2,162                   |
| R.R. at semaphore -----  | 38 18 06.2                              | 91 05 09.5                              | 2,698                   |
| R.R. at fence E. -----   | 38 17 53.4                              | 91 05 45.9                              | 3,180                   |
| Stanton, 1.7 mi. N. of, along St. Louis-San Francisco Ry., in NW 1/4 sec. 13, T. 41 N., R. 2 W., 60 ft. W. of track, 44 ft. E. of U.S. Highway 66, 20 ft. S. and 75 ft. E. from center of triangle at junction of rd. N., in concrete post; standard tablet stamped "T T 982 E R A 1935 888" ----- | 38 17 45.69<br>38 17 24.4<br>38 16 57.4 | 91 06 01.74<br>91 06 08.2<br>91 06 12.8 | 1,485<br>2,210<br>2,753 |
| R.R. at fence E. -----   | 38 16 29.10                             | 91 06 18.30                             | 2,898                   |
| Main track at fence E. -----   |   |   |                         |
| 882 (previously described) -----   |   |   |                         |

9. FROM SEC. 36, T. 43 N., R. 2 W., SOUTH TO SEC. 13, T. 41 N., R. 2 W.  
(by C. D. Craig in 1935)

|  |   |   |                                  |
|--|---|---|----------------------------------|
| T T 975 E R A 1935 743 (previously described) --   | 38 26 00.33   | 91 05 50.61   | .....                            |
| Chicago, Rock Island & Pacific Ry. at rd. crossing -----   | 38 25 41.4  | 91 05 52.2  | 1,919                            |
| Chicago, Rock Island & Pacific Ry. at rd. crossing and fence E. -----  | 38 25 11.6  | 91 06 21.2  | 3,793                            |
| Chicago, Rock Island & Pacific Ry. at rd. crossing -----   | 38 24 57.4  | 91 07 06.8  | 3,911                            |
| Rd. at fence S., 62 ft. N. of approximate cor. secs. 2, 3, 10, and 11, T. 42 N., R. 2 W. -----   | 38 24 29.4  | 91 07 32.4  | 3,487                            |
| Neier, 1 mi. NW. of, near center of E 1/2 sec. 10, T. 42 N., R. 2 W., 260 ft. S. and 60 ft. E. from T-rd. E., 120 ft. S. and 6 ft. W. from rd. at fence E., 22 ft. E. of rd., in concrete post; standard tablet stamped "T T 983 E R A 1935 887" ----- | 38 24 00.21<br>38 23 35.6<br>38 23 22.4<br>38 23 06.8 | 91 07 46.02<br>91 07 56.5<br>91 07 52.0<br>91 07 49.4 | 3,144<br>2,626<br>1,382<br>1,590 |
| Rd. forks at signpost "Neier-Beaufort Roads" -----   |   |   |                                  |
| Rd. at fence SW. on line of land grant -----   |   |   |                                  |
| Rd. at fence E. -----  |   |   |                                  |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Junction of private rd. E. -----  | 38 22 26.1  | 91 07 43.6  | 4,139    |
| Junction of rd. E. -----  | 38 22 13.0  | 91 07 47.0  | 1,360    |
| Rd. at fence W. -----   | 38 21 44.7  | 91 08 05.2  | 3,205    |
| T. 42 N., R. 2 W., near center of N 1/2 sec. 27<br>(actually in land grant), 54 ft. N. of NW.<br>corner of dwelling of Andrew Door, 23 ft. E.<br>of rd., 1 ft. S. and 2 ft. E. from SW. corner<br>of orchard, in concrete post; standard tablet<br>stamped "T T 984 E R A 1935 691" ----- | 38 21 31.22 | 91 08 06.98 | 1,372    |
| Rd. at fence E. -----   | 38 21 03.2  | 91 08 18.0  | 2,969    |
| Triangular-blazed 8-in. elm tree at N. end of<br>fence bearing S. 14° W., on E. side of and<br>about 0.2 mi. N. of SE. corner of farm of<br>Mrs. Charles Voss -----   | 38 20 31.4  | 91 07 51.5  | 3,850    |
| Private rd. at fences E. and W. -----   | 38 19 55.8  | 91 07 40.8  | 3,696    |
| T. 41 N., R. 2 W., in SE 1/4 sec. 3, 25 ft. N.<br>and 5 ft. E. from junction of rds. S., E., and<br>SE., 17 ft. E. of fence corner, in concrete<br>post; standard tablet stamped "T T 985 E R A<br>1935 786" -----  | 38 19 09.00 | 91 07 51.03 | 4,804    |
| Rd. at fence W., 12 ft. E. of approximate W.<br>sixteenth cor. between secs. 3 and 10,<br>T. 41 N., R. 2 W. -----   | 38 16 55.6  | 91 07 50.9  | 1,360    |
| T. 41 N., R. 2 W., center of NE 1/4 sec. 10,<br>stone -----   | 38 18 42.1  | 91 07 51.0  | 1,365    |
| Rd. at fence S., 276 ft. N. of stone and fence<br>corner at W. sixteenth cor. sec. 11, T. 41 N.,<br>R. 2 W. -----   | 38 18 32.0  | 91 07 16.5  | 2,940    |
| Rd. at fences N. and S., 330 ft. N. of S.<br>sixteenth cor. between secs. 11 and 12,<br>T. 41 N., R. 2 W. -----   | 38 16 19.5  | 91 06 24.8  | 4,308    |
| Rd. at fence W. -----   | 38 18 03.7  | 91 06 15.1  | 1,777    |
| T T 982 E R A 1935 888 (previously described) --  | 38 17 45.69 | 91 06 01.74 | 2,106    |

10. FROM SEC. 27, T. 42 N., R. 2 W., WEST INTO GERALD QUADRANGLE AT SEC. 34,  
T. 42 N., R. 3 W. (by C. D. Craig in 1935)

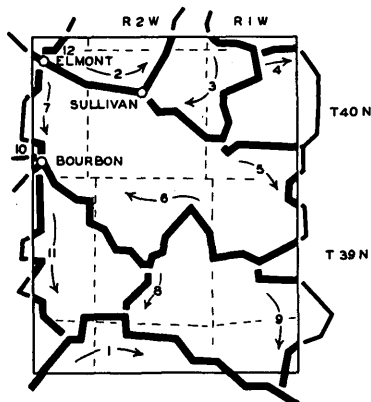
|  |             |             |       |
|--|-------------|-------------|-------|
| Triangular-blazed 8-in. elm tree (previously<br>described) -----   | 38 20 31.4  | 91 07 51.5  | ..... |
| Rd. in line with N. face of two-story brick<br>dwelling owned by Mrs. Charles Voss -----   | 38 20 27.8  | 91 08 06.4  | 1,236 |
| Rd. at fences E. and W. -----  | 38 20 22.1  | 91 08 12.4  | 748   |
| Rd. at fences N. and S. -----  | 38 20 09.7  | 91 08 40.8  | 2,588 |
| Rd. at fence N. -----  | 38 20 01.3  | 91 09 17.2  | 3,024 |
| T. 41 N., R. 2 W., in NW 1/4 sec. 4 (actually in<br>land grant), 210 ft. N. and 26 ft. E. from rd.<br>forks, 10 ft. E. of rd., 2 ft. E. of N.-S.<br>fence, in concrete post; standard tablet<br>stamped "T T 986 E R A 1935 770" ----- | 38 19 43.56 | 91 09 35.21 | 2,300 |
| Rd. at fence E., 10 ft. N. of center of creek --   | 38 19 51.5  | 91 09 54.0  | 1,699 |
| Rd. at fence N. -----  | 38 19 49.9  | 91 10 40.4  | 3,699 |
| T. 42 N., R. 2 W., approximate S. cor. secs. 31<br>and 32, rd. at fence N., 120 ft. E. of rd. at<br>fence S. at N. cor. secs. 5 and 6, T. 41 N.,<br>R. 2 W. -----  | 38 19 49.4  | 91 10 56.6  | 1,295 |
| Airway beacon tower -----  | 38 20 01.0  | 91 11 25.0  | 2,540 |
| Rd. at fences N. and S., 270 ft. N. of stone at<br>S. sixteenth cor. on E. side sec. 36, T. 42 N.,<br>R. 3 W. -----  | 38 20 05.0  | 91 12 00.5  | 2,865 |
| Rd. at fences N. and S., 140 ft. S. of fence<br>corner at center of SE 1/4 sec. 36, T. 42 N.,<br>R. 3 W. -----   | 38 20 00.6  | 91 12 16.9  | 1,381 |
| Spring Bluff, 3 mi. NE. of, 0.1 mi. S. of S.<br>sixteenth cor. sec. 36, T. 42 N., R. 3 W.,<br>30 ft. E. of T-rd. W., in concrete post;<br>standard tablet stamped "T T 987 E R A 1935<br>817" -----                                    | 38 19 55.57 | 91 12 32.41 | 1,335 |
| Rd. at fence S. -----  | 38 19 59.1  | 91 13 06.7  | 2,755 |
| Rd. at fence N. -----  | 38 20 18.6  | 91 13 40.0  | 3,308 |
| T-rd. N., 55 ft. S. of N. sixteenth cor. between<br>secs. 34 and 35, T. 42 N., R. 3 W. -----   | 38 20 29.1  | 91 14 01.4  | 2,006 |
| Bourbeuse River, rd. at point 17 ft. S. of<br>triangular-blazed 15-in. birch tree on E. bank<br>at ford -----  | 38 20 26.0  | 91 14 37.9  | 2,927 |

(Continued in Gerald quadrangle; see line 9.)

Magnetic declination 5° 14' E.

BOURBON QUADRANGLE  
(Latitude 38°00'-38°15'; longitude 91°00'-91°15')

Crawford, Franklin, and Washington Counties



1. 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., INCLUDING THAT  
PART OF THE LINE IN BERRYMAN QUADRANGLE (by J. L. Sanders in 1926-27)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| 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                                       | 38 00 06.8  | 91 14 16.8  | 3,843    |
| Rd. forks   | 38 00 51.6  | 91 13 40.8  | 5,369    |
| Rd. forks   | 38 01 14.5  | 91 13 05.0  | 3,688    |
| Scotia, in NE 1/4 sec. 11, T. 38 N., R. 3 W.,     |             |             |          |
| 125 ft. S. of post office, 15 ft. W. of rd.,      |             |             |          |
| 3 ft. NE. of large gatepost, in concrete post;    |             |             |          |
| standard tablet stamped "Prim Trav Sta No 122     |             |             |          |
| S 1926 658"                                       | 38 01 37.77 | 91 12 49.03 | 2,678    |
| Scotia School, rd. forks at                       | 38 01 43.0  | 91 12 13.6  | 2,881    |
| Rd. forks   | 38 02 29.2  | 91 11 16.8  | 6,405    |
| Scotia, about 1/4 mi. NE. of, along Hinch-Scotia  |             |             |          |
| rd., at approximate center sec. 5, T. 38 N.,      |             |             |          |
| R. 2 W., 700 ft. E. of log dwelling, 32 ft. N.    |             |             |          |
| and 30 ft. E. from rail fence corner on S. side   |             |             |          |
| of rd., 19 ft. N. of rd., in old field, in        |             |             |          |
| concrete post; standard tablet stamped "Prim      |             |             |          |
| Trav Sta No 123 S 1926 956"                       | 38 02 21.99 | 91 10 01.25 | 6,252    |
| Rd. forks   | 38 02 21.2  | 91 09 55.8  | 443      |
| Front gate to yard of Jesse Hinch                 | 38 01 40.8  | 91 09 01.3  | 5,975    |
| Rd. fork SW.                                      | 38 01 30.4  | 91 08 55.1  | 1,170    |
| T. 38 N., R. 2 W., quarter cor. between secs. 9   |             |             |          |
| and 10 (?)  | 38 01 24.9  | 91 08 29.6  | 2,114    |
| Rd. fork S.                                       | 38 01 21.7  | 91 07 54.0  | 2,860    |
| Undine, 5-7 mi. NW. of, along abandoned Hinch-    |             |             |          |
| Scotia-Undine rd., at center sec. 11,             |             |             |          |
| T. 38 N., R. 2 W., 30 ft. N. and 50 ft. E.        |             |             |          |
| from rd. fork NW., 10 ft. SW. of blazed 20-in.    |             |             |          |
| black-oak tree, in concrete post; standard        |             |             |          |
| tablet stamped "P T Sta No 124 S 1926 1035"       | 38 01 39.06 | 91 07 02.25 | 4,502    |
| Dm crossroad                                      | 38 01 19.7  | 91 06 09.9  | 4,623    |
| Rd. fork E. to Undine                             | 38 00 40.3  | 91 05 35.9  | 4,827    |
| Rd. forks   | 38 00 37.3  | 91 05 09.9  | 2,102    |
| Undine, 2-3 mi. W. of, along abandoned Potosi-    |             |             |          |
| Scotia rd., in SE 1/4 sec. 18, T. 38 N.,          |             |             |          |
| R. 1 W., 135 ft. SW. of dwelling of               |             |             |          |
| F. A. Hertel, 15 ft. E. of 15-in. walnut tree,    |             |             |          |
| 3 ft. N. of rail fence, at gate to field, in      |             |             |          |
| concrete post; standard tablet stamped "Prim      |             |             |          |
| Trav Sta No 125 S 1926 846"                       | 38 00 20.00 | 91 04 19.28 | 4,414    |
| T. 38 N., R. 1 W., cor. secs. 17, 18, 19, and     |             |             |          |
| 20 (?)  | 38 00 11.6  | 91 04 02.0  | 1,616    |
| 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    |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| T. 38 N., R. 1 W., in SW 1/4 SE 1/4 sec. 21,<br>310 ft. E. of rd., 24 ft. S. and 6 ft. E.<br>from SW. corner of former post-office building<br>in Undine, on lot of John W. Isgrig, in<br>concrete post; standard tablet stamped "P T<br>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    |
| Rock pile at rd. forks -----   | 37 58 40.0  | 91 00 33.2  | 6,532    |
| Prim Trav Sta No 167 1903 1243 Adj (in Potosi<br>quadrangle) -----   | 37 58 22.19 | 90 59 30.90 | 5,306    |

2. FROM CUBA QUADRANGLE SOUTHEAST ALONG COUNTY ROUTE H TO SULLIVAN, THENCE  
NORTHEAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY INTO UNION QUADRANGLE  
(by G. L. Krattler in 1934)

|  |             |             |       |
|--|-------------|-------------|-------|
| Elmont triangulation sta.; U.S.C. & G.S.<br>standard disk stamped "Elmont" (In Cuba<br>quadrangle; see line 6.) -----  | 38 14 03.91 | 91 15 08.18 | ..... |
| Elmont, rd. junction at -----  | 38 14 07.8  | 91 14 32.6  | 2,863 |
| Dim cross lane -----   | 38 13 56.4  | 91 14 13.4  | 1,924 |
| Junction of rd. S. -----   | 38 13 38.9  | 91 13 38.2  | 3,318 |
| Junction of rd. N. -----   | 38 13 32.8  | 91 13 04.4  | 2,770 |
| Sullivan, 3.3 mi. NW. of, along County Route H,<br>in NW 1/4 sec. 12, T. 40 N., R. 3 W., 11 ft.<br>S. and 75 ft. E. from junction of rd. W., 9 ft.<br>N. and 12 ft. W. from fence corner, in concrete<br>post; standard tablet stamped "901 C W A 1934<br>935" ----- | 38 13 22.35 | 91 12 53.35 | 1,370 |
| Crossroad -----  | 38 13 05.7  | 91 12 31.1  | 2,445 |
| Junction of rd. S. at fence N. on line between<br>secs. 7 and 12, T. 40 N., Rs. 2 and 3 W. -----   | 38 12 50.9  | 91 11 57.8  | 3,052 |
| Junction of rd. S. -----   | 38 12 46.3  | 91 11 44.3  | 1,176 |
| Junction of rd. N. -----   | 38 12 33.7  | 91 10 53.7  | 4,229 |
| Sullivan, junction of U.S. Highway 66 and<br>Elmont Street E. -----  | 38 12 29.2  | 91 10 19.7  | 2,753 |
| Sullivan, buried stone at intersection of<br>Elmont Street and Childs Street N. -----  | 38 12 29.5  | 91 09 50.3  | 2,350 |
| Sullivan, about 100 ft. E. of St. Louis-San<br>Francisco Ry. sta., in foundation wall at S.<br>side of main entrance to Bennett Hotel;<br>aluminum tablet stamped "967" -----  | 38 12 33.12 | 91 09 36.50 | 1,159 |
| Sullivan, main track at sta. -----   | 38 12 33.8  | 91 09 38.0  | 139   |
| R.R. at fence W. -----   | 38 12 59.9  | 91 09 02.0  | 3,908 |
| T. 40 N., R. 2 W., cor. secs. 3, 4, 9, and 10,<br>R.R. at fences E. and W., 217 ft. N. and 124<br>ft. E. from R.R. at State Highway 114 overpass-<br>R.R. at signal box -----  | 38 13 23.7  | 91 08 44.4  | 2,789 |
| Tps. 40 and 41 N., R. 2 W., approximate cor.<br>secs. 2, 3, 34, and 35 (by local information) -<br>R.R. at battery box -----   | 38 13 58.2  | 91 08 04.4  | 4,726 |
|  | 38 14 30.9  | 91 07 29.2  | 4,345 |
|  | 38 14 50.3  | 91 07 33.7  | 1,987 |

(Continued in Union quadrangle; see line 1.)

3. FROM UNION QUADRANGLE AT SEC. 31, T. 41 N., R. 1 W., EAST TO SEC. 4,  
T. 40 N., R. 1 W., THENCE SOUTH TO SEC. 30, T. 40 N., R. 1 W.,  
THENCE NORTHWEST TO SULLIVAN (by G. L. Krattler in 1934)  
(Continued from Union quadrangle; see line 1.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Rd. at fences E. and W. -----   | 38 14 57.0  | 91 05 05.2  | (1,096) |
| Stanton, 3.4 mi. SE. of, along rd. through Sand<br>Ford, in sec. 31, T. 41 N., R. 1 W., 65 ft. N.<br>of rd. at entrance to Meramec State Park, 3<br>ft. W. of N.-S. wire fence between park and<br>farm of J. Schaub, in concrete post; standard<br>tablet stamped "902 C W A 1934 764" ----- | 38 14 39.60 | 91 04 45.57 | 2,359   |
| Stone at corner of Meramec State Park -----   | 38 14 42.1  | 91 04 45.6  | 252     |
| Rd. at E.-W. fence along N. edge of Meramec State<br>Park -----   | 38 14 41.4  | 91 04 15.9  | 2,372   |
| Fire tower -----  | 38 14 47.2  | 91 04 06.6  | 5,530   |
| Rd. at fence corner on NE. side of rd. -----  | 38 14 36.7  | 91 03 47.1  | 5,240   |
| Rd. fork N., 112 ft. S. and 120 ft. E. from<br>junction of dim rd. NE. -----  | 38 14 26.7  | 91 02 52.7  | 4,454   |
| Stanton, 5.6 mi. SE. of, along rd. through Sand<br>Ford, in NW 1/4 sec. 4, T. 40 N., R. 1 W.,<br>112 ft. NE. of Reedville School, 60 ft. S. and<br>62 ft. E. from rd. forks, in schoolyard, in<br>concrete post; standard tablet stamped "903<br>C W A 1934 846" -----                        | 38 14 10.28 | 91 02 36.00 | 2,127   |
| Abandoned rd. N. -----  | 38 13 46.3  | 91 02 10.8  | 3,146   |
| Rd. at E.-W. fence on Meramec State Park boundary<br>line and lane W. to cemetery -----   | 38 13 01.2  | 91 02 05.6  | 4,584   |
| Stanton, 7.7 mi. SE. of, along rd. through Sand<br>Ford, near line between secs. 9 and 16,<br>T. 40 N., R. 1 W., 39 ft. W. of N.-S. rd., 44<br>ft. N. of rd. W., in concrete post; standard<br>tablet stamped "904 C W A 1934 897" -----  | 38 12 37.10 | 91 02 08.02 | 2,446   |

| Station  | Latitude    | Longitude   | Distance      |
|--|-------------|-------------|---------------|
| Rd. fork NW. to C.C.C. Camp -----  | 38 12 40.1  | 91 02 50.4  | Feet<br>3,395 |
| Rd. et fence E. on Meramec State Park boundary<br>line -----   | 38 12 35.2  | 91 03 18.8  | 2,325         |
| Center of triangle at rd. forks -----  | 38 12 18.8  | 91 03 29.2  | 1,855         |
| Rd. at fence W. -----  | 38 12 16.8  | 91 03 45.0  | 1,279         |
| T-rd. S. -----   | 38 12 04.4  | 91 04 06.0  | 2,098         |
| Sullivan, 5 mi. E. of, along rd. through Meramec<br>State Park, in NE 1/4 sec. 18, T. 40 N.,<br>R. 1 W., 10 ft. N. and 45 ft. E. from T-rd.<br>S., in concrete post; standard tablet stamped<br>"905 C W A 1934 704" -----   | 38 12 04.76 | 91 04 21.87 | 1,264         |
| T. 40 N., R. 1 W., approximate cor. secs. 17, 18,<br>19, and 20, 30 ft. N. and 77 ft. E. from rd.<br>fork W. -----   | 38 11 42.5  | 91 04 00.4  | 2,829         |
| Junction of dim rd. SW., 567 ft. N. and 43 ft. E.<br>from crossroads -----   | 38 11 22.7  | 91 03 52.7  | 2,097         |
| Rd. at point approximately 170 ft. W. of SW.<br>corner of Hamilton School -----  | 38 10 33.6  | 91 04 02.3  | 5,024         |
| Sullivan, 7.4 mi. SE. of, on line between secs.<br>29 and 30, T. 40 N., R. 1 W., 32 ft. S. and<br>39 ft. W. from rd. fork NE., 5 ft. E. of fence,<br>in concrete post; standard tablet stamped<br>"906 C W A 1934 664" ----- | 38 10 19.46 | 91 04 02.53 | 1,432         |
| Rd. et main channel of small creek -----   | 38 10 23.6  | 91 05 22.0  | 6,358         |
| Junction of rd. N. and private lane W. -----   | 38 10 28.4  | 91 05 31.9  | 930           |
| Junction of dim rd. SE. -----  | 38 11 07.4  | 91 06 25.8  | 5,842         |
| T-rd. N. -----   | 38 11 13.1  | 91 06 45.6  | 1,679         |
| Sullivan, 3 mi. SE. of, along rd. to Hamilton<br>Ford, 25 ft. N. of junction of rd. SW., 2 ft.<br>N. of E.-W. fence, in concrete post; standard<br>tablet stamped "907 C W A 1934 872" -----                                 | 38 11 23.03 | 91 07 20.34 | 2,953         |
| Rd. at fence W. -----  | 38 11 37.0  | 91 07 47.9  | 2,619         |
| Junction of dim rd. SW. -----  | 38 11 48.5  | 91 07 59.1  | 1,461         |
| Junction of dim rd. S. -----   | 38 11 55.9  | 91 08 24.1  | 2,134         |
| Concrete post on line between Crawford and<br>Franklin Counties -----  | 38 12 14.8  | 91 08 41.6  | 2,363         |
| T. 40 N., R. 2 W., cor. secs. 9, 10, 15, and<br>16, buried pipe -----  | 38 12 30.5  | 91 08 42.0  | 1,595         |
| Sullivan, E.-W. street at Hamilton rd. S. -----  | 38 12 35.6  | 91 09 15.4  | 2,716         |
| Sullivan municipal water tower -----   | 38 12 29.3  | 91 09 31.5  | 1,429         |
| 987 (previously described) -----   | 38 12 33.12 | 91 09 36.50 | 554           |

4. FROM SEC. 4, T. 40 N., R. 1 W., EAST INTO RICHWOODS QUADRANGLE AT SEC. 2,  
T. 40 N., R. 1 W. (by G. L. Krattler in 1934)

|   |             |             |       |
|---|-------------|-------------|-------|
| 903 C W A 1934 846 (previously described) -----   | 38 14 10.28 | 91 02 36.00 | ..... |
| Rd. at triangular-blazed 24-in. post-oak tree<br>N. of fences N. and S. along Meramec State Park<br>boundary line -----   | 38 14 13.1  | 91 02 01.1  | 2,800 |
| Rd. forks -----   | 38 14 19.2  | 91 01 38.4  | 1,914 |
| T. 40 N., R. 1 W., E. sixteenth cor. on N. line<br>sec. 3, stone -----  | 38 14 24.6  | 91 01 05.4  | 2,684 |
| T. 40 N., R. 1 W., N. cor. secs. 2 and 3, 15 ft.<br>E. of rd. at fence S. -----   | 38 14 30.3  | 91 00 43.7  | 1,827 |
| T-rd. N. -----  | 38 14 29.9  | 91 00 25.6  | 1,448 |
| Stanton, 9.3 mi. SE. of, along rd. through Sand<br>Ford, in NW 1/4 sec. 2, T. 40 N., R. 1 W.,<br>33 ft. S. of rd., 31 ft. W. of gate at entrance<br>to dim rd. SE., 4 ft. S. of E.-W. fence, in<br>concrete post; standard tablet stamped "T T 920<br>C W A 1934 817" ----- | 38 14 31.8  | 91 00 16.2  | 767   |
|   | 38 14 29.44 | 91 00 00.67 | 1,266 |

(Continued in Richwoods quadrangle; see line 7.)

5. FROM SEC. 30, T. 40 N., R. 1 W., SOUTHEAST INTO RICHWOODS QUADRANGLE AT  
SEC. 11, T. 39 N., R. 1 W. (by G. L. Krattler in 1934)

|  |             |             |       |
|--|-------------|-------------|-------|
| 906 C W A 1934 664 (previously described) -----  | 38 10 19.46 | 91 04 02.53 | ..... |
| Rd. at small creek opposite log shed -----   | 38 10 18.2  | 91 03 19.8  | 3,416 |
| Sullivan, 9.4 mi. SE. of, in SE 1/4 sec. 28,<br>T. 40 N., R. 1 W., 22 ft. N. and 10 ft. E.<br>from crossroads, in concrete post; standard<br>tablet stamped "908 C W A 1934 849" ----- | 38 10 08.55 | 91 02 04.49 | 6,091 |
| Point on N.-S. fence, 200 ft. S. of rd. -----  | 38 10 01.9  | 91 01 26.5  | 3,105 |
| Corner of fences N., S., and E., approximately<br>40 ft. S. and 75 ft. E. from cor. secs. 26,<br>27, 34, and 35, T. 40 N., R. 1 W. (by local<br>information) -----                     | 38 09 56.0  | 91 00 35.7  | 4,108 |
| T. 40 N., R. 1 W., approximate W. sixteenth cor.<br>between secs. 26 and 35 (local information) ---  | 38 09 57.2  | 91 00 20.8  | 1,192 |

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

| Station  | Latitude   | Longitude  | Distance |
|--|------------|------------|----------|
|  | ° ' "      | ° ' "      | Feet     |
| Farm entrance opposite blazed 24-in. sycamore tree -----   | 38 08 40.9 | 91 00 05.2 | (2,572)  |
| Baker School, fence along N. side of, in line with fence S. -----  | 38 08 06.5 | 91 00 20.1 | 3,684    |
| T. 39 N., R. 1 W., approximate W. sixteenth cor. between secs. 2 and 11 (by local information), near blazed tree N. of rd. ----- | 38 07 39.4 | 91 00 26.0 | 2,781    |
| T. 39 N., R. 1 W., quarter cor. between secs. 2 and 11, rock pile -----  | 38 07 41.5 | 91 00 08.8 | 1,395    |

(Continued in Richwoods quadrangle; see line 6.)

6. FROM RICHWOODS QUADRANGLE AT SEC. 14, T. 39 N., R. 1 W., WEST ALONG ROADS TO SEC. 21, T. 39 N., R. 2 W., THENCE NORTHWEST ALONG COUNTY ROUTE N TO BOURBON, THENCE SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY INTO CUBA QUADRANGLE (by G. L. Krattler in 1934)

(Continued from Richwoods quadrangle; see line 6.)

|  |             |             |         |
|--|-------------|-------------|---------|
| T. 39 N., R. 1 W., quarter cor. between secs. 14 and 23, rock pile -----   | 38 05 56.1  | 91 00 07.2  | (3,687) |
| Rd. fork N., 103 ft. S. and 214 ft. W. from dim rd. N. -----   | 38 05 20.8  | 91 01 39.1  | 8,170   |
| Junction of rd. S. -----   | 38 04 54.1  | 91 02 07.4  | 3,518   |
| T. 39 N., R. 1 W., N. sixteenth cor. sec. 28, rock pile -----  | 38 04 49.1  | 91 02 20.1  | 1,139   |
| Anthones Mill, 3 mi. E. of, in NW 1/4 NE 1/4 sec. 28, T. 39 N., R. 1 W., 62 ft. N. and 45 ft. W. from junction of rds. SE. to Potosi and W. to Anthones Mill, 22 ft. S. of triangular-blazed 20-in. black-oak tree on small knoll N. of rd., in concrete post; standard tablet stamped "912 C W A 1934 1065" ----- | 38 04 53.73 | 91 02 18.88 | 480     |
| SE. corner of picket fence around Dilk yard -----  | 38 05 04.0  | 91 02 51.1  | 2,780   |
| Rd. fork W. to Anthones Mill and N. to Hamilton Hollow -----   | 38 05 12.8  | 91 02 58.5  | 1,066   |
| Rd. at fence S. -----  | 38 05 18.2  | 91 04 01.1  | 5,033   |
| Rd. at rail fence N. -----   | 38 05 09.3  | 91 04 31.3  | 2,580   |
| Anthones Mill, 0.5 mi. E. of, along rd. to Potosi, in SW 1/4 sec. 19, T. 39 N., R. 1 W., 59 ft. N. and 24 ft. W. from T-rd. N., 34 ft. N. and 20 ft. W. from small wooden bridge, 4 ft. W. of N.-S. fence, in concrete post; standard tablet stamped "913 C W A 1934 704" -----                                    | 38 05 04.85 | 91 04 51.24 | 1,653   |
| Rd. forks near triangular-blazed tree -----  | 38 05 21.8  | 91 04 47.3  | 1,743   |
| Rd. at fence E. -----  | 38 05 55.8  | 91 04 51.1  | 3,455   |
| Rd. forks near triangular-blazed tree -----  | 38 06 15.7  | 91 05 02.7  | 2,215   |
| Rd. forks near triangular-blazed tree -----  | 38 06 44.5  | 91 05 09.9  | 2,966   |
| Rd. forks near triangular-blazed tree -----  | 38 07 10.3  | 91 05 28.0  | 2,909   |
| Junction of rd. to Vilander -----  | 38 07 30.5  | 91 06 29.2  | 5,303   |
| Anthones Mill, 4 mi. N. of, in NW 1/4 sec. 2, T. 39 N., R. 2 W., 18 ft. S. and 6 ft. W. from rd. at fence S., 35 ft. S. of E.-W. fence, in concrete post; standard tablet stamped "914 C W A 1934" -----   | 38 07 38.84 | 91 06 36.26 | 1,012   |
| Dim crossroad and rail fence opposite gate -----   | 38 06 58.0  | 91 06 31.5  | 4,150   |
| Old mine shaft -----   | 38 06 33.2  | 91 06 46.6  | 2,781   |
| Six-in. iron well casing head -----  | 38 06 17.3  | 91 07 25.0  | 3,463   |
| Vilander, in NE 1/4 sec. 15, T. 39 N., R. 2 W., 480 ft. E. of only dwelling, 10 ft. N. of rd., in concrete post; standard tablet stamped "915 C W A 1934 659" -----  | 38 06 01.75 | 91 07 37.42 | 1,863   |
| Cedar Grove School, flagpole at -----  | 38 05 49.7  | 91 07 52.4  | 1,710   |
| Rd. at fence E. -----  | 38 05 24.7  | 91 08 30.8  | 3,974   |
| Rd. at fence E. -----  | 38 04 53.6  | 91 08 38.5  | 3,206   |
| Bourbon, 8.5 mi. SE. of, along County Route N, in SE 1/4 sec. 21, T. 39 N., R. 2 W., 17 ft. N. of rd. junction, 8 ft. N. and 52 ft. W. from cross fences, in concrete post; standard tablet stamped "916 C W A 1934 694" -----   | 38 04 47.72 | 91 08 45.99 | 846     |
| Meramec River, center of bridge over -----   | 38 04 52.1  | 91 08 58.7  | 1,110   |
| Highway at fences N. and S. -----  | 38 05 06.3  | 91 09 36.8  | 3,364   |
| Junction of rd. E. -----   | 38 05 17.6  | 91 10 05.3  | 2,548   |
| Junction of rd. E. -----   | 38 05 44.1  | 91 10 35.2  | 3,594   |
| Junction of rd. S. -----   | 38 05 53.8  | 91 10 59.1  | 2,151   |
| Bourbon, 5.5 mi. SE. of, along County Route N, in SW 1/4 sec. 7, T. 39 N., R. 2 W., 48 ft. N. and 12 ft. W. from junction of rd. SW., 4 ft. S. of fence corner, in concrete post; standard tablet stamped "917 C W A 1934 805" -----   | 38 06 12.57 | 91 11 08.90 | 2,049   |
| Junction of lane W. -----  | 38 06 25.9  | 91 11 07.6  | 1,352   |
| Highway at E.-W. fence -----   | 38 06 52.1  | 91 11 07.1  | 2,650   |
| Highway at line between secs. 1 and 6, T. 39 N., Rs. 2 and 3 W. -----  | 38 07 14.3  | 91 11 22.2  | 2,556   |
| Junction of rd. SW. -----  | 38 07 22.5  | 91 11 53.9  | 2,659   |



| Station  | Latitude                  | Longitude                 | Distance       |
|--|---------------------------|---------------------------|----------------|
|  | ° ' "                     | ° ' "                     | Feet           |
| Entrance to district 23 school -----   | 38 07 33.6                | 91 12 06.2                | 1,494          |
| Bourbon, 1.9 mi. SE. of, along County Route N,<br>in NE 1/4 sec. 3, T. 39 N., R. 3 W., 56 ft. W.<br>of junction of rd. NW., 4 ft. N. of tree at<br>fence corner, in concrete post; standard tablet<br>stamped "918 C W A 1934 763" ----- | 38 08 14.60<br>38 08 40.5 | 91 13 40.55<br>91 14 01.3 | 1,602<br>3,103 |
| Junction of rd. W. -----   | 38 08 52.2                | 91 14 12.1                | 1,464          |
| T. 40 N., R. 3 W., S. cor. secs. 34 and 35<br>(local information) -----  | 38 09 09.0                | 91 14 20.2                | 1,819          |
| Crossroad -----  |                           |                           |                |
| Bourbon, at NE. edge of porch of Bourbon Hotel,<br>in concrete step; standard tablet stamped "919<br>C W A 1934 956" -----   | 38 09 09.38<br>38 09 04.7 | 91 14 43.37<br>91 14 47.0 | 1,849<br>560   |
| Bourbon, St. Louis-San Francisco Ry. at sta. ----  |                           |                           |                |

(Continued in Cuba quadrangle; see line 11.)

## 7. FROM ELMONT SOUTH TO BOURBON (by G. L. Krattler in 1934)

|   |             |             |       |
|---|-------------|-------------|-------|
| Dim cross lane (previously described) -----   | 38 13 56.4  | 91 14 13.4  | ..... |
| Abandoned lane at fence W. -----  | 38 13 23.1  | 91 14 11.5  | 3,373 |
| Crossroads -----  | 38 13 03.6  | 91 14 12.0  | 1,981 |
| Rd. at fence E. -----   | 38 12 25.1  | 91 14 28.2  | 4,095 |
| Bourbon, 4 mi. N. of, E. sixteenth cor. sec. 15,<br>T. 40 N., R. 3 W., 55 ft. S. and 15 ft. W. from<br>stone at crossroads, 3 ft. W. of N.-S. fence,<br>in concrete post; standard tablet stamped "923<br>C W A 1934 844" ----- | 38 11 58.02 | 91 14 28.50 | 2,744 |

(For balance in Cuba quadrangle, see line 10.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Rd. at fence E. -----   | 38 10 13.2  | 91 14 58.9  | (3,318) |
| Rd. at power line and fence E. -----  | 38 09 45.0  | 91 14 43.1  | 3,117   |
| Bourbon, concrete post at junction of County<br>Route N and main street ----- | 38 09 24.7  | 91 14 37.6  | 2,107   |
| 919 C W A 1934 956 (previously described) -----                               | 38 09 09.38 | 91 14 43.37 | 1,616   |

8. FROM SEC. 21, T. 39 N., R. 2 W., SOUTH TO SEC. 5, T. 38 N., R. 2 W.  
(by G. L. Krattler in 1934)

|   |             |             |       |
|---|-------------|-------------|-------|
| 916 C W A 1934 694 (previously described) -----                 | 38 04 47.72 | 91 08 45.99 | ..... |
| Rd. forks near springhouse -----                                | 38 04 31.8  | 91 08 34.8  | 1,838 |
| Un-graded crossroad -----                                       | 38 04 09.8  | 91 08 45.9  | 2,395 |
| Hinch, point in rd. 200 ft. S. of stone (land<br>corner) -----  | 38 03 46.6  | 91 09 16.6  | 3,398 |
| Rd. forks, S. of small cemetery -----                           | 38 03 36.3  | 91 09 39.7  | 2,123 |
| T-rd. E. near triangular-blazed 12-in. red-oak<br>tree -----    | 38 02 58.3  | 91 09 46.6  | 3,886 |
| Rd. at fence W. -----   | 38 02 43.7  | 91 09 47.4  | 1,478 |
| Prim Trav Sta No 123 S 1926 956 (previously<br>described) ----- | 38 02 21.99 | 91 10 01.25 | 2,460 |

9. FROM SEC. 28, T. 39 N., R. 1 W., SOUTH TO SEC. 26, T. 38 N., R. 1 W.,  
INCLUDING THAT PART OF THE LINE IN BERRYMAN QUADRANGLE (by G. L. Krattler  
in 1934)

|  |             |             |       |
|--|-------------|-------------|-------|
| 912 C W A 1934 1065 (previously described) -----               | 38 04 53.73 | 91 02 18.88 | ..... |
| Rd. fork S. -----  | 38 04 31.8  | 91 01 51.0  | 3,141 |
| Rd. at point 20 ft. N. of blazed 16-in. post-oak<br>tree ----- | 38 04 29.2  | 91 01 20.2  | 2,479 |
| Stake in rock pile, 10 ft. N. of rd. -----                     | 38 04 36.8  | 91 00 58.7  | 1,886 |
| Rd. forks at Indian Creek -----                                | 38 04 14.5  | 91 00 04.3  | 4,903 |

(For balance in Richwoods quadrangle, see line 8.)

|   |   |   |                         |
|---|---|---|-------------------------|
| Northwest corner of Eaton farmhouse -----   | 38 01 12.8                              | 91 00 00.1                              | (4,128)                 |
| Undine, 3.5 mi. NE. of, in SW 1/4 sec. 14,<br>T. 38 N., R. 1 W., 178 ft. N. and 48 ft. W.<br>from NW. corner of dwelling of J. A. Yarbrough,<br>10 ft. N. of rd., 3 ft. N. of E.-W. fence, in<br>concrete post; standard tablet stamped "926<br>C W A 1934 984" ----- | 38 00 40.75<br>38 00 17.7<br>37 58 40.0 | 91 00 21.37<br>91 00 25.5<br>91 00 33.2 | 3,661<br>2,354<br>9,942 |
| Rd. fork SW. -----  |   |   |                         |
| Pile of rocks at rd. forks -----  |   |   |                         |

10. FROM BOURBON WEST ALONG U.S. HIGHWAY 66 AND COUNTY ROUTE C INTO CUBA  
QUADRANGLE (by C. D. Craig in 1935)

|   |             |             |       |
|---|-------------|-------------|-------|
| 919 C W A 1934 956 (previously described) -----   | 38 09 09.38 | 91 14 43.37 | ..... |
| Junction of County Route C and rd. NE. to Bourbon | 38 09 05.9  | 91 14 52.4  | 804   |

(Continued in Cuba quadrangle; see line 7.)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| 11. FROM BOURBON SOUTH TO SEC. 11, T. 38 N., R. 3 W. (by C. D. Craig in 1935)   |             |             |          |
| 919 C W A 1934 956 (previously described) -----   | 38 09 09.38 | 91 14 43.37 | .....    |
| Center of bridge -----  | 38 08 30.9  | 91 14 55.1  | 4,000    |
| Rd. at fence E., 45 ft. W. of stone at fence corner -----   | 38 08 03.0  | 91 14 40.5  | 3,052    |
| T. 39 N., R. 3 W., probable cor. secs. 3, 4, 9, and 10 (local information), rd. at fence W. ---   | 38 07 10.9  | 91 14 42.2  | 5,278    |
| Bourbon, 2.7 mi. S. of, near N. sixteenth cor. between secs. 9 and 10, T. 39 N., R. 3 W., 40 ft. S. and 25 ft. W. from T-rd. W. and fence E., in concrete post; standard tablet stamped "T T 1717 E R A 1935 926" ----- | 38 06 57.15 | 91 14 43.42 | 1,393    |
| T-rd. E. -----  | 38 06 25.2  | 91 14 44.8  | 3,239    |
| Junction of lane SE. and fence E. -----   | 38 06 05.7  | 91 14 51.2  | 2,034    |

(For balance in Cuba quadrangle, see line 8.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Leasburg, 3.2 mi. E. of, along County Route H, in SW 1/4 SW 1/4 sec. 22, T. 39 N., R. 3 W., 24 ft. N. and 22 ft. E. from highway in line with S. fence of barn lot on land belonging to West estate, 5 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 1718 E R A 1935 909" ----- | 38 04 46.73 | 91 14 50.43 | (4,729) |
| T-rd. S. -----  | 38 04 21.1  | 91 14 50.1  | 2,594   |

(For balance in Cuba quadrangle, see line 8.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Center of triangle at rd. fork E. -----   | 38 03 23.6  | 91 14 45.3  | (2,598) |
| Rd. at fence W., 45 ft. N. and 67 ft. E. from stone at S. sixteenth cor. between secs. 33 and 34, T. 39 N., R. 3 W. -----   | 38 03 03.9  | 91 14 52.6  | 2,078   |
| T. 38 N., R. 3 W., 30 ft. N. and 3 ft. W. from approximate center of NW 1/4 sec. 3, 17 ft. N. and 3 ft. W. from rd. at fence N., 2 ft. S. and 3 ft. W. from gatepost at log dwelling of R. A. West, in concrete post; standard tablet stamped "T T 1719 E R A 1935 898" ----- | 38 02 37.27 | 91 14 37.56 | 2,951   |
| Rd. fork E. -----   | 38 02 27.3  | 91 14 18.6  | 1,816   |
| Rd. fork SE., 40 ft. N. and 22 ft. E. from triangular-blazed 18-in. black-oak tree -----  | 38 02 06.4  | 91 14 17.7  | 2,113   |
| Northeast corner of farmhouse of H. L. Blankenbaker -----   | 38 01 29.4  | 91 13 28.5  | 5,428   |
| Prim Trav Sta No 122 S 1926 658 (previously described) -----  | 38 01 37.77 | 91 12 49.03 | 3,271   |

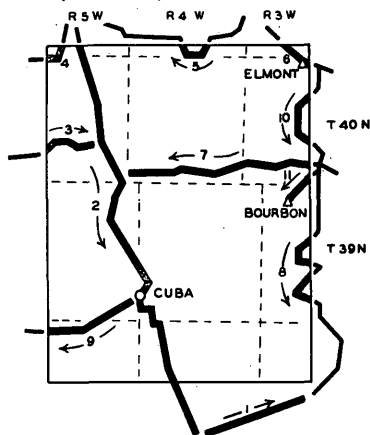
12. FROM UNION QUADRANGLE AT SEC. 34, T. 41 N., R. 3 W., SOUTHWEST INTO CUBA QUADRANGLE AT SEC. 34, T. 41 N., R. 3 W. (by C. D. Craig in 1935)  
(Continued from Union quadrangle; see line 2.)

|   |             |             |         |
|---|-------------|-------------|---------|
| T. 41 N., R. 3 W., approximate center sec. 34, rd. at fence W. -----  | 38 14 52.0  | 91 14 46.1  | (1,373) |
| Elmont, 0.6 mi. N. of, in SE 1/4 SW 1/4 sec. 34, T. 41 N., R. 3 W., 40 ft. E. of center of triangle at rd. forks, 2 ft. W. of fence, in concrete post; standard tablet stamped "T T 945 C 1934 973" ----- | 38 14 31.19 | 91 14 49.62 | 2,130   |
| Rd. at E.-W. fence (In Cuba quadrangle; see line 6.) -----  | 38 14 26.3  | 91 15 28.6  | 3,149   |

Magnetic declination 5° 44' E.

CUBA QUADRANGLE  
(Latitude 38°00'-38°15'; longitude 91°15'-91°30')

Crawford, Franklin, and Gasconade Counties



1. FROM STEELVILLE NORTHEAST INTO BERRYMAN QUADRANGLE AT SEC. 22,  
T. 38 N., R. 3 W. (in Steelville quadrangle; by J. L. Sanders  
in 1926-27)

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Steelville, 30 ft. E. of NE. corner of court-<br>house, 6 ft. S. and 2 ft. W. from NW. corner<br>of office of circuit clerk; iron post stamped<br>"Prim Trav Sta No 106 S 1926 755" -----  | 37 58 02.76 | 91 21 21.32 | .....    |
| St. Louis-San Francisco Ry. at rd. crossing -----  | 37 58 21.2  | 91 20 35.5  | 4,118    |
| Rd. fork N. -----  | 37 58 38.0  | 91 19 33.3  | 5,261    |
| Rd. fork SW. at farmhouse of George Carter -----   | 37 58 44.9  | 91 18 50.0  | 3,538    |
| Steelville, 3 mi. E. of, along Scotia-Steelville<br>rd., in SW 1/4 sec. 30, T. 38 N., R. 3 W.,<br>60 ft. SE. of front door of dwelling of Joe<br>Pinson, 22 ft. N. of rd., 1 ft. inside fence,<br>in concrete post; standard tablet stamped "Prim<br>Trav Sta No 107 S 1926 959" -----                   | 37 58 46.42 | 91 18 01.49 | 3,887    |
| St. Louis-San Francisco Ry. at rd. crossing -----  | 37 58 40.5  | 91 17 33.8  | 2,293    |
| Crossroads -----   | 37 58 58.7  | 91 16 57.4  | 3,445    |
| Wooden culvert -----   | 37 59 10.3  | 91 16 10.8  | 3,913    |
| Steelville, 5.8 mi. NE. of, along Scotia-<br>Steelville rd., 4 mi. SW. of Scotia, in<br>NE 1/4 sec. 28, T. 38 N., R. 3 W., 150 ft. NW.<br>of dwelling of F. C. Wallis, at SW. corner of<br>junction of lane S., in concrete post; standard<br>tablet stamped "Prim Trav Sta No 108 S 1926<br>1002" ----- | 37 59 10.90 | 91 15 18.31 | 4,205    |
| Rd. fork SE. -----   | 37 59 39.0  | 91 14 49.3  | 3,455    |

2. FROM GERALD QUADRANGLE SOUTH ALONG STATE HIGHWAY 19 TO STEELVILLE  
INCLUDING THAT PART OF THE LINE IN STEELVILLE QUADRANGLE (by  
W. R. Broadus in 1932)  
(Continued from Gerald quadrangle; see line 2.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Highway in line with fence E. and rd. W. -----  | 38 14 19.2  | 91 27 16.8  | (5,774) |
| Owensville, 9.8 mi. S. of, along State Highway<br>19, on top of W. end of S. abutment of highway<br>bridge over Bourbeuse River; standard tablet<br>stamped "T 55 B 1932" -----   | 38 13 23.35 | 91 26 51.67 | 5,996   |
| Junction of rd. NW. -----   | 38 13 00.8  | 91 26 51.0  | 2,280   |
| Crossroad -----   | 38 12 16.1  | 91 26 36.2  | 4,675   |
| Crossroad -----   | 38 12 07.8  | 91 26 31.4  | 918     |
| Brush Creek, S. end of bridge over -----  | 38 11 32.0  | 91 26 34.6  | 3,635   |
| Cuba, 9.6 mi. N. of, along State Highway 19, 10<br>ft. N. and 23 ft. W. from cor. secs. 23, 24,<br>25, and 26, T. 40 N., R. 5 W., 0.8 mi. S. of<br>bridge over Brush Creek, 25 ft. N. and 50 ft.<br>W. from junction of rd. W., 10 ft. N. and 4 ft.<br>E. from fence corner, in concrete post;<br>standard tablet stamped "T 56 B 1932" ----- | 38 10 50.88 | 91 26 34.56 | 4,160   |
| Crossroad -----   | 38 10 24.2  | 91 26 24.5  | 2,813   |
| Junction of rd. NW. -----   | 38 09 47.2  | 91 25 56.3  | 4,366   |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Cuba, 7 mi. N. of, along State Highway 19,<br>35 ft. N. of approximate SW. cor. sec. 31,<br>T. 40 N., R. 4 W., 0.6 mi. NE. of bridge over<br>creek, 35 ft. N. and 55 ft. E. from junction<br>of rd. E., 20 ft. N. of fence corner, 4 ft.<br>W. of fence, in concrete post; standard tablet<br>stamped "T T 57 B 1932 943" ----- | 38 09 04.76 | 91 25 30.96 | 4,751    |
| Center of bridge -----  | 38 08 42.7  | 91 25 56.7  | 3,055    |
| Crossroad -----   | 38 08 17.1  | 91 26 03.3  | 2,639    |
| Crossroad -----   | 38 07 46.6  | 91 26 00.4  | 3,100    |
| Highway in line with E.-W. fence about 150 ft.<br>NW. of farmhouse of T. Park -----   | 38 07 07.0  | 91 25 39.6  | 4,338    |
| Cuba, 3.6 mi. N. of, along State Highway 19,<br>about 400 ft. E. of center sec. 12, T. 39 N.,<br>R. 5 W., 30 ft. N. and 37 ft. E. from cross-<br>road, in concrete post; standard tablet stamped<br>"T T 58 B 1932" -----   | 38 06 28.18 | 91 25 10.34 | 4,566    |
| Junction of rd. S. -----  | 38 06 27.9  | 91 24 59.7  | 847      |
| Crossroad -----   | 38 05 09.4  | 91 24 34.2  | 8,481    |
| Cuba, 1.3 mi. N. of, along State Highway 19,<br>35 ft. S. and 37 ft. E. from crossroad, 155<br>ft. N. 30° W. of farmhouse of B. L. Grindle,<br>in concrete post; standard tablet stamped "T T<br>59 B 1932" -----   | 38 04 42.64 | 91 24 33.15 | 2,704    |
| Cuba, St. Louis-San Francisco Ry. at sta. -----   | 38 03 46.0  | 91 23 55.3  | 6,478    |
| Cuba, center of ball on top of municipal water<br>tower -----   | 38 03 36.8  | 91 24 36.0  | 3,387    |
| St. Louis-San Francisco Ry. at crossing of<br>highway -----   | 38 03 39.4  | 91 24 20.8  | 2,149    |
| Cuba, near St. Louis-San Francisco Ry. tracks, in<br>foundation of Grand Hotel building; aluminum<br>tablet stamped "St L 1033" -----   | 38 03 39.33 | 91 24 25.14 | 343      |
| Crossroad -----   | 38 03 07.4  | 91 23 59.2  | 3,843    |
| Rd. junction -----  | 38 02 38.4  | 91 23 35.1  | 3,503    |
| Cuba, 2.3 mi. S. of, along State Highway 19,<br>45 ft. S. and 36 ft. E. from junction of rd.<br>E., in NW. corner of yard of Oak Shade School,<br>in concrete post; standard tablet stamped "T T<br>60 B 1932" -----  | 38 02 04.32 | 91 23 18.20 | 3,706    |
| Cuba, 2.3 mi. S. of, along St. Louis-San<br>Francisco Ry., 0.2 mi. E. of Oak Ridge School,<br>40 ft. W. of track, 2 ft. S. of N. property<br>line; iron post stamped "Mo 953" -----   | 38 02 05.20 | 91 23 07.21 | 883      |
| T. 38 N., R. 4 W., quarter cor. between secs. 5<br>and 8, rd. at fence N. -----   | 38 02 04.3  | 91 23 02.0  | 428      |
| T T 60 B 1932 (previously described) -----  | 38 02 04.32 | 91 23 18.20 | .....    |
| Junction of rd. E. -----  | 38 01 12.1  | 91 23 15.8  | 5,293    |
| Junction of rd. E. -----  | 38 00 45.6  | 91 23 08.4  | 2,750    |
| Steelville, 2.8 mi. N. of, along State Highway<br>19, 850 ft. S. of Big Bend School, 20 ft. S.<br>and 45 ft. E. from junction of rd. E., in<br>concrete post; standard tablet stamped "T T<br>61 B 1932" -----  | 37 59 39.41 | 91 22 28.13 | 7,440    |
| Meramec River, S. end of bridge over -----  | 37 58 50.4  | 91 22 17.5  | 5,030    |
| Junction of rd. E. to Wildwood Springs Club -----   | 37 58 22.7  | 91 22 02.8  | 3,046    |
| Steelville, St. Louis-San Francisco Ry. at<br>highway crossing -----  | 37 58 03.6  | 91 21 40.8  | 2,609    |
| Steelville, 30 ft. E. of NE. corner of court-<br>house, 6 ft. S. and 2 ft. W. from NW. corner<br>of office of circuit clerk; iron post stamped<br>"Prim Trav Sta No 106 S 1926 755" -----   | 37 58 02.76 | 91 21 21.32 | 1,565    |

3. FROM REDBIRD QUADRANGLE AT SEC. 29, T. 40 N., R. 5 W., EAST TO SEC. 26,  
T. 40 N., R. 5 W. (by W. R. Broadus in 1932)  
(Continued from Redbird quadrangle; see line 4.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Rd. corner -----   | 38 10 39.9  | 91 29 21.4  | (6,694) |
| Rd. forks -----  | 38 11 06.4  | 91 29 05.1  | 2,976   |
| Jake Prairie, 2 mi. E., thence 1 mi. N. from,<br>29 ft. N. and 25 ft. E. from NE. corner of<br>High Point School, 30 ft. S. and 60 ft. E.<br>from rd. junction, in concrete post; standard<br>tablet stamped "T T 68 B 1932" ----- | 38 10 25.62 | 91 28 37.09 | 4,693   |
| Rd. at fences N. and S. -----  | 38 10 25.4  | 91 28 13.3  | 1,898   |
| T-rd. S. -----   | 38 10 38.0  | 91 27 07.2  | 5,431   |
| T T 56 B 1932 (previously described) -----   | 38 10 50.88 | 91 26 34.56 | 2,915   |

| Station | Latitude | Longitude | Distance |
|---------|----------|-----------|----------|
|         | ° ' "    | ° ' "     | Feet     |

4. FROM REDBIRD QUADRANGLE AT SEC. 32, T. 41 N., R. 5 W., NORTHEAST INTO GERALD QUADRANGLE AT SEC. 33, T. 41 N., R. 5 W. (by R. R. Boswell, Jr. in 1933)

(Continued from Redbird quadrangle; see line 6.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Island School, 0.5 mi. E. of, near S. cor. secs. 32 and 33, T. 41 N., R. 5 W., 21 ft. N. of T-rd. S., 5 ft. N. of fence corner, in concrete post; standard tablet stamped "11 J 1933 946" ----- | 38 14 45.23 | 91 29 57.73 | (1,823) |
| Rd. at fence line N. -----  | 38 14 54.5  | 91 29 21.1  | 3,066   |
| Rd. fork S. 320 ft. W. of quarter cor. between secs. 33 and 34, T. 41 N., R. 5 W. -----   | 38 14 59.0  | 91 28 52.5  | 2,333   |

(Continued in Gerald quadrangle; see line 4.)

5. FROM GERALD QUADRANGLE AT SEC. 35, T. 41 N., R. 4 W., WEST AND NORTH INTO GERALD QUADRANGLE AT SEC. 34, T. 41 N., R. 4 W. (by C. D. Craig in 1934)

(Continued from Gerald quadrangle; see line 13.)

|   |            |            |         |
|---|------------|------------|---------|
| Rd. at fence N. -----   | 38 15 00.0 | 91 20 53.4 | (2,864) |
| Center of triangle at rd. forks -----   | 38 14 50.0 | 91 21 26.0 | 2,787   |
| T. 41 N., R. 4 W., approximate W. sixteenth cor. sec. 34, rd. at fence S. ----- | 38 14 55.2 | 91 21 43.4 | 1,489   |

(Continued in Gerald quadrangle; see line 13.)

6. FROM GERALD QUADRANGLE AT SEC. 33, T. 41 N., R. 3 W., SOUTH TO POINT ABOUT 1 MILE WEST OF ELMONT (by C. D. Craig in 1934)

(Continued from Gerald quadrangle; see line 12.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Rd. at fence E. -----   | 38 14 53.5  | 91 15 37.7  | (3,778) |
| Rd. at E.-W. fence, 650 ft. E. of E. sixteenth cor. on S. line sec. 33, T. 41 N., R. 3 W., 500 ft. E. of E. sixteenth cor. on N. line sec. 4, T. 40 N., R. 3 W. ----- | 38 14 26.3  | 91 15 28.6  | 2,845   |
| Elmont triangulation sta.; U.S.C. & G.S. standard disk stamped "Elmont" -----   | 38 14 03.91 | 91 15 08.18 | 2,795   |

7. FROM BOURBON QUADRANGLE WEST ALONG COUNTY ROUTE C TO SEC. 31, T. 40 N., R. 3 W., THENCE WEST ALONG ROADS TO SEC. 31, T. 40 N., R. 4 W. (by C. D. Craig in 1935)

(Continued from Bourbon quadrangle; see line 10.)

|   |                           |                           |                |
|---|---------------------------|---------------------------|----------------|
| Highway at fence S. -----   | 38 09 12.2                | 91 15 36.4                | (3,566)        |
| T. 40 N., R. 3 W., approximate quarter cor. between secs. 32 and 33, junction of rd. N. and lane S. -----   | 38 09 25.9                | 91 16 26.8                | 4,262          |
| Bourbon, 3 mi. W. of, along County Route C, near quarter cor. between secs. 31 and 32, T. 40 N., R. 3 W., 47 ft. N. and 40 ft. W. from junction of rd. N., 47 ft. N. and 25 ft. W. from highway at fences N. and S., 2 ft. S. and 25 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 1713 E R A 1935 966" -----                              | 38 09 27.75<br>38 09 27.9 | 91 17 34.45<br>91 17 50.8 | 5,410<br>1,305 |
| Highway at fence S. -----   | 38 09 29.4                | 91 18 42.2                | 4,116          |
| T. 40 N., R. 4 W., approximate E. quarter cor. sec. 36, rd. at fences N. and S. -----   | 38 09 29.4                | 91 18 58.9                | 1,329          |
| T. 40 N., R. 4 W., approximate E. sixteenth cor. sec. 36, rd. at fences N. and S. -----   | 38 09 12.1                | 91 19 18.2                | 2,336          |
| Rd. forks, 15 ft. N. and 15 ft. W. from triangular-blazed 15-in. post-oak tree -----  | 38 09 03.2                | 91 20 00.7                | 3,509          |
| T. 39 N., R. 4 W., approximate N. cor. secs. 2 and 3, rd. at fence S. -----   | 38 09 03.4                | 91 20 34.9                | 2,730          |
| T. 39 N., R. 4 W., approximate N. quarter cor. sec. 3, rd. at fence S. -----  | 38 09 14.54               | 91 20 45.16               | 1,398          |
| T. 40 N., R. 4 W., near center of SW 1/4 sec. 35, 20 ft. N. (6 ft. N. by levelman) and 37 ft. W. from T-rd. W., 7 ft. N. of 14-in. oak tree in fence corner, in concrete post; standard tablet stamped "T T 1715 E R A 1935 826" -----  | 38 09 03.5<br>38 09 03.6  | 91 21 42.4<br>91 22 21.8  | 4,706<br>3,149 |
| T. 39 N., R. 4 W., approximate N. quarter cor. sec. 4, T-rd. S. -----   | 38 09 03.8                | 91 23 12.6                | 4,060          |
| Stone at T-rd. N. -----   | 38 09 04.05               | 91 23 59.01               | 3,708          |
| T. 40 N., R. 4 W., S. cor. secs. 32 and 33, T-rd. N., 5 ft. S. and 675 ft. E. from T-rd. S. at N. cor. secs. 5 and 6, T. 39 N., R. 4 W.-Bailey School, 104 ft. N. and 6 ft. E. from NW. corner of, near N. quarter cor. sec. 6, T. 39 N., R. 4 W., 21 ft. N. and 65 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 1716 E R A 1935 989" ----- |                           |                           |                |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | " ' "       | " ' "       | Feet     |
| T. 39 N., Rs. 4 and 5 W., N. cor. secs. 1 and 6, rd. at fence S. ----- | 38 09 04.1  | 91 24 40.4  | 3,308    |
| T T 57 B 1932 943 (previously described) -----                         | 38 09 04.76 | 91 25 30.96 | 4,039    |

8. FROM BOURBON QUADRANGLE AT SEC. 16, T. 39 N., R. 3 W., SOUTH AND EAST INTO BOURBON QUADRANGLE AT SEC. 28, T. 39 N., R. 3 W. (by C. D. Craig in 1935)  
(Continued from Bourbon quadrangle; see line 11.)

|  |            |            |         |
|--|------------|------------|---------|
| T-rd. S. -----   | 38 06 02.7 | 91 15 19.1 | (2,250) |
| T. 39 N., R. 3 W., approximate quarter cor. between secs. 16 and 21, rd. at fence W. ----- | 38 05 26.9 | 91 15 20.7 | 3,621   |

(For balance in Bourbon quadrangle, see line 11.)

|   |            |            |         |
|---|------------|------------|---------|
| Center of triangle at rd. fork S. ----- | 38 03 40.1 | 91 15 10.1 | (4,440) |
|---|------------|------------|---------|

(Continued in Bourbon quadrangle; see line 11.)

9. FROM CUBA WEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY AND U.S. HIGHWAY 66 INTO REDBIRD QUADRANGLE (by C. D. Craig in 1935)

|  |             |             |       |
|--|-------------|-------------|-------|
| St L 1033 (previously described) -----   | 38 03 39.33 | 91 24 25.14 | ..... |
| Cuba, municipal water tower (previously described) -----   | 38 03 36.8  | 91 24 36.0  | 908   |
| R.R. at rd. crossing -----   | 38 03 32.6  | 91 24 47.4  | 1,007 |
| Highway at point in line with rd. W., 150 ft. E. of fence corner -----   | 38 03 24.3  | 91 25 18.6  | 2,631 |
| R.R. at rd. crossing -----   | 38 02 59.8  | 91 25 42.9  | 3,154 |
| R.R. at semaphore -----  | 38 02 27.3  | 91 26 21.6  | 4,510 |
| R.R. at rd. crossing, 364 ft. N. of fence W. at N. cor. secs. 10 and 11, T. 38 N., R. 5 W. ----  | 36 02 09.1  | 91 27 04.1  | 3,870 |
| Fanning, 0.5 mi. E. of, along St. Louis-San Francisco Ry., about 0.1 mi. N. of quarter cor. between secs. 3 and 10, T. 38 N., R. 5 W., 33 ft. N. of main track, 47 ft. S. and 19 ft. W. from U.S. Highway 66 at rd. N. and fence S., in concrete post; standard tablet stamped "1714 E R A 1935" ----- | 38 02 10.27 | 91 27 37.73 | 2,691 |
| Fanning, highway at crossroad -----  | 38 02 14.3  | 91 28 10.8  | 2,681 |
| R.R. at fence S. -----   | 38 02 33.2  | 91 29 00.8  | 4,434 |
| R.R. at fence S. -----   | 38 02 31.2  | 91 29 51.3  | 4,042 |

(Continued in Redbird quadrangle; see line 7.)

10. FROM BOURBON QUADRANGLE AT SEC. 15, T. 40 N., R. 3 W., SOUTH INTO BOURBON QUADRANGLE AT SEC. 27, T. 40 N., R. 3 W. (by G. L. Krattler in 1935)  
(Continued from Bourbon quadrangle; see line 7.)

|  |            |            |         |
|--|------------|------------|---------|
| T-rd. S. -----   | 38 11 59.4 | 91 15 02.0 | (2,679) |
| T-rd. N. -----   | 38 11 33.1 | 91 15 02.3 | 2,664   |
| T. 40 N., R. 3 W., approximate quarter cor. between secs. 21 and 22, rd. at fences E. and W. ----- | 38 11 07.2 | 91 15 19.6 | 2,966   |
| T. 40 N., R. 3 W., approximate cor. secs. 21, 22, 27, and 28, T-rd. W. -----                       | 38 10 41.0 | 91 15 20.9 | 2,650   |

(Continued in Bourbon quadrangle; see line 7.)

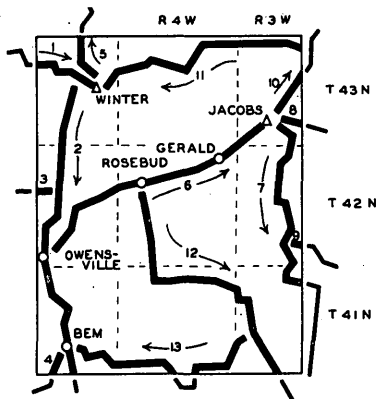
11. FROM BOURBON QUADRANGLE SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO POINT ABOUT 2 MILES SOUTH OF BOURBON (by G. L. Krattler in 1935)  
(Continued from Bourbon quadrangle; see line 6.)

|   |             |             |         |
|---|-------------|-------------|---------|
| R.R. at rd. crossing at fences E. and W. -----                                  | 38 08 43.1  | 91 15 09.9  | (2,840) |
| R.R. at rd. crossing -----  | 38 08 21.5  | 91 15 32.7  | 2,850   |
| Bourbon triangulation sta.; U.S.C. & G.S. standard disk stamped "Bourbon" ----- | 38 08 07.65 | 91 15 48.47 | 1,883   |

Magnetic declination 6° 14' E.

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

Franklin and Gasconade Counties



1. FROM BLAND QUADRANGLE EAST ALONG U.S. HIGHWAY 50 TO SEC. 14, T. 43 N.,  
R. 5 W. (by W. R. Broadbuss in 1932)  
(Continued from Bland quadrangle; see line 2.)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Drake, 2.1 mi. W. of, along U.S. Highway 50,<br>1 mi. E. of Neese School, in NW 1/4 sec. 16,<br>T. 43 N., R. 5 W., 55 ft. E. of junction of<br>rd. NW., 37 ft. NE. of highway, 15 ft. S.<br>70° E. of triangular-blazed oak tree, in<br>concrete post; standard tablet stamped "T<br>49 B 1932 829" ----- | 38 28 41.16 | 91 29 39.28 | (4,994)  |
| Junction of rd. N. -----  | 38 28 20.5  | 91 29 07.1  | 3,306    |
| Junction of rd. S. -----  | 38 27 54.7  | 91 28 32.3  | 3,802    |
| Drake, in foundation of post office; aluminum<br>tablet stamped "St L 868" -----  | 38 28 06.34 | 91 27 53.84 | 3,276    |
| Drake, crossroad at -----   | 38 28 05.9  | 91 27 53.4  | 52       |
| Highway at fence S. along W. side of rd. S. -----   | 38 27 59.5  | 91 26 58.9  | 4,383    |
| Winter triangulation sta.; U.S.C. & G.S. stone<br>post -----  | 38 27 41.36 | 91 26 02.95 | 4,814    |

2. FROM DRAKE SOUTH ALONG ROADS TO OWENSVILLE, THENCE SOUTH ALONG STATE  
HIGHWAY 19 INTO CUBA QUADRANGLE (by W. R. Broadbuss in 1932)

|  |             |             |       |
|--|-------------|-------------|-------|
| St L 868 (previously described) -----  | 38 28 06.34 | 91 27 53.84 | ..... |
| U.S. Highway 50 at rd. SW. -----   | 38 27 32.1  | 91 27 49.3  | 3,441 |
| Rd. fork W. -----  | 38 26 52.0  | 91 26 35.8  | 5,481 |
| Rd. corner in creek valley -----   | 38 26 32.9  | 91 26 38.8  | 1,949 |
| Rd. forks -----  | 38 26 17.8  | 91 29 14.3  | 3,216 |
| Owensville, 6.2 mi. N. of, along State Highway<br>19, in SW 1/4 NE 1/4 sec. 33, T. 43 N.,<br>R. 5 W., 32 ft. N. and 80 ft. E. from junction<br>of rd. SE., 20 ft. S. and 50 ft. E. from<br>junction of rd. SE. to Shelton farm, 9 ft. S.<br>10° E. of triangular-blazed 10-in. white-oak<br>tree, in concrete post; standard tablet stamped<br>"T 50 B 1932 891" ----- | 38 25 49.05 | 91 29 11.83 | 2,909 |
| Rd. forks -----  | 38 25 24.6  | 91 29 30.3  | 2,876 |
| Rd. at fence E. on line between secs. 4 and 33,<br>Tps. 42 and 43 N., R. 5 W. -----  | 38 25 19.1  | 91 29 31.8  | 569   |
| T-rd. E. -----   | 38 24 47.9  | 91 29 28.2  | 3,165 |
| T. 42 N., R. 5 W., center sec. 9, T-rd. E. -----   | 38 23 52.6  | 91 29 23.4  | 5,607 |
| Owensville, 3.6 mi. N. of, along Old Iron Road,<br>50 ft. S. and 130 ft. E. from E. sixteenth<br>cor. between secs. 9 and 16, T. 42 N.,<br>R. 5 W., 18 ft. SW. of curve in rd. from W.-<br>SE., in concrete post; standard tablet stamped<br>"T 51 B 1932 940" -----   | 38 23 25.80 | 91 29 04.81 | 3,089 |
| T-rd. E. -----   | 38 22 46.7  | 91 28 41.1  | 4,364 |
| T. 42 N., R. 5 W., cor. secs. 15, 16, 21, and 22,<br>corner stone at fence corner -----  | 38 22 33.5  | 91 28 49.4  | 1,485 |
| Chicago, Rock Island & Pacific Ry. on line<br>between secs. 21 and 22, T. 42 N., R. 5 W. -----   | 38 21 54.0  | 91 28 49.3  | 3,996 |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Chicago, Rock Island & Pacific Ry. at rd. crossing -----  | 38 21 35.8  | 91 29 25.7  | 3,437    |
| Owensville, perpendicular pipe of water tower on property of Hamilton Brown Shoe Company -----  | 38 21 11.4  | 91 29 45.2  | 2,915    |
| Owensville, 1 block E. of post office, 35 ft. S. and 30 ft. W. from intersection of Cuba Street and Peters Avenue, in NE. corner of property of Mrs. H. Krause, in concrete post; standard tablet stamped "T T 52 B 1932 935" ----- | 38 20 48.94 | 91 29 57.01 | 2,458    |
| Junction of State Highways 19 and 28 -----  | 38 20 42.2  | 91 29 40.2  | 1,507    |
| Crossroad -----   | 38 20 15.6  | 91 29 39.7  | 2,691    |
| Pipe line crossing -----  | 38 19 49.1  | 91 29 39.8  | 2,680    |
| Crossroad -----   | 38 19 10.4  | 91 29 23.0  | 4,137    |
| Owensville, 3 mi. S. of, along State Highway 19, in NE 1/4 sec. 9, T. 41 N., R. 5 W., in top of S. end of W. guardrail of concrete bridge over Red Oak Creek; standard tablet stamped "T T 53 B 1932 830" -----                     | 38 18 37.33 | 91 29 02.15 | 3,739    |
| Junction of rd. E. -----  | 38 17 43.6  | 91 28 45.9  | 5,587    |
| Crossroad -----   | 38 16 44.6  | 91 28 34.5  | 6,037    |
| Owensville, 5.8 mi. S. of, along State Highway 19, in SW 1/4 sec. 22, T. 41 N., R. 5 W., at SW. corner of bridge over Dry Fork Creek, in top of W. end of S. abutment; standard tablet stamped "T T 54 B 1932 745" -----            | 38 16 22.99 | 91 28 29.78 | 2,216    |
| Bem, near center sec. 27, T. 41 N., R. 5 W., in yard of post office; iron post stamped "St L 833" -----   | 38 15 56.55 | 91 28 12.04 | 3,026    |
| Crossroad -----   | 38 15 51.6  | 91 28 22.5  | 975      |
| Crossroad -----   | 38 15 06.3  | 91 27 57.7  | 4,990    |

(Continued in Cuba quadrangle; see line 2.)

3. FROM BLAND QUADRANGLE AT SEC. 8, T. 42 N., R. 5 W., SOUTHEAST TO SEC. 16, T. 42 N., R. 5 W. (by R. R. Boswell, Jr. in 1933)  
(Continued from Bland quadrangle; see line 8.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Rd. at fence S. on line between secs. 8 and 9, T. 42 N., R. 5 W. ----- | 38 23 41.3  | 91 29 57.0  | (1,343) |
| Rd. at fence S. -----  | 38 23 41.9  | 91 29 47.8  | 737     |
| T-rd. W. -----   | 38 23 41.1  | 91 29 23.6  | 1,925   |
| Center of triangle at rd. forks -----                                  | 38 23 33.5  | 91 29 15.9  | 986     |
| T T 51 B 1932 940 (previously described) -----                         | 38 23 25.80 | 91 29 04.81 | 1,175   |

4. FROM CUBA QUADRANGLE AT SEC. 33, T. 41 N., R. 5 W., NORTHEAST TO SEC. 27, T. 41 N., R. 5 W. (by R. R. Boswell, Jr. in 1933)  
(Continued from Cuba quadrangle; see line 4.)

|   |             |             |       |
|---|-------------|-------------|-------|
| Rd. fork E., 165 ft. S. of rd. at St. John's Church ----- | 38 15 06.6  | 91 28 20.2  | 2,689 |
| Crossroads -----  | 38 15 25.5  | 91 28 12.0  | 2,026 |
| Crossroads -----  | 38 15 51.7  | 91 28 22.6  | 2,780 |
| St L 833 (previously described) -----                     | 38 15 56.55 | 91 28 12.04 | 976   |

5. FROM SEC. 24, T. 43 N., R. 5 W., WEST ALONG U.S. HIGHWAY 50 TO DRAKE, THENCE NORTH ALONG STATE HIGHWAY 19 INTO HERMANN QUADRANGLE (by C. W. Williams in 1934)

|  |             |             |       |
|--|-------------|-------------|-------|
| Winter 2 triangulation sta.; U.S.C. & G.S. standard disk stamped "Winter 2" -----  | 38 27 41.27 | 91 26 02.99 | ..... |
| Highway at fence N. -----  | 38 27 50.4  | 91 26 37.9  | 2,923 |
| Highway at fence S. -----  | 38 28 04.0  | 91 27 09.9  | 2,895 |
| St L 868 (previously described) -----  | 38 28 06.34 | 91 27 53.84 | 3,506 |
| Drake, in SE 1/4 sec. 15, T. 43 N., R. 5 W., 114 ft. N. of corner of brick store building, 78 ft. W. of brick dwelling, 26 ft. E. of W. leg of intersection, 48 ft. W. of State Highway 19, in concrete post; standard tablet stamped "T T 658 C W A 1934 868" ----- | 38 28 08.07 | 91 27 53.73 | 176   |
| T. 43 N., R. 5 W., approximate N. sixteenth cor. between secs. 14 and 15, E. shoulder of highway at fence E. -----   | 38 28 35.9  | 91 27 42.8  | 2,944 |
| Highway at fence E. -----  | 38 29 02.9  | 91 27 42.7  | 2,729 |
| T. 43 N., R. 5 W., approximate quarter cor. between secs. 10 and 11, highway at fence W. --  | 38 29 16.8  | 91 27 42.6  | 1,407 |
| T. 43 N., R. 5 W., approximate cor. secs. 2, 3, 10, and 11, highway at fence E. -----  | 38 29 43.5  | 91 27 42.4  | 2,705 |

(Continued in Hermann quadrangle; see line 1.)



| Station  | Latitude |    |       | Longitude |    |       | Distance |
|--|----------|----|-------|-----------|----|-------|----------|
|  | °        | '  | "     | °         | '  | "     | Feet     |
| 6. FROM OWENSVILLE NORTHEAST ALONG STATE HIGHWAY 28 TO ROSEBUD, THENCE<br>NORTHEAST ALONG U.S. HIGHWAY 50 TO SEC. 28, T. 43 N., R. 3 W.<br>(by C. D. Craig in 1934)  |          |    |       |           |    |       |          |
| T T 52 B 1932 935 (previously described) -----   | 38       | 20 | 48.94 | 91        | 29 | 57.01 | .....    |
| Owensville, at edge of town, junction of State<br>Highway 19 -----   | 38       | 20 | 42.1  | 91        | 29 | 40.2  | 1,509    |
| Highway at fence W. -----  | 38       | 20 | 48.7  | 91        | 29 | 26.1  | 1,300    |
| Highway at fences N. and S. -----  | 38       | 21 | 22.0  | 91        | 28 | 49.2  | 4,473    |
| Highway at rail fences N. and S., 162 ft. N. of<br>quarter cor. between secs. 22 and 27, T. 42 N.,<br>R. 5 W. -----  | 38       | 21 | 41.9  | 91        | 28 | 15.9  | 3,329    |
| Highway at fences N. and S. on line between<br>secs. 22 and 25, T. 42 N., R. 5 W. -----  | 38       | 21 | 52.1  | 91        | 27 | 42.6  | 2,840    |
| Owensville, 3 mi. NE. of, along State Highway 28,<br>in NE 1/4 SW 1/4 sec. 23, T. 42 N., R. 5 W.,<br>about 100 ft. S. end 100 ft. E. from brick<br>dwelling, 15 ft. N. and 60 ft. E. from NE<br>corner of old shed, 45 ft. S. of highway, 3 ft.<br>N. of fence, in concrete post; standard tablet<br>stamped "927 C 1934 931" -----                | 38       | 22 | 00.20 | 91        | 27 | 10.98 | 2,651    |
| Junction of rd. SE. -----  | 38       | 22 | 06.1  | 91        | 26 | 59.5  | 1,093    |
| Highway at fences E. and W., 130 ft. W. of cor.<br>secs. 13, 14, 23, and 24, T. 42 N., R. 5 W. ---   | 38       | 22 | 31.2  | 91        | 26 | 36.5  | 3,125    |
| Highway at fences N. and S. -----  | 38       | 23 | 02.0  | 91        | 25 | 42.7  | 5,305    |
| Highway at fences N. and S. -----  | 38       | 23 | 13.0  | 91        | 25 | 06.6  | 3,080    |
| Signpost in triangle at junction of U.S.<br>Highway 50 -----   | 38       | 23 | 13.6  | 91        | 24 | 36.6  | 2,391    |
| Junction of lane S. at fence N. -----  | 38       | 23 | 13.1  | 91        | 24 | 21.4  | 1,214    |
| Rosebud, 25 ft. S. and 26 ft. W. from iron pin at<br>junction of U.S. Highway 50 and County Route T,<br>in concrete post; standard tablet stamped "928<br>C 1934 890" -----  | 38       | 23 | 13.68 | 91        | 23 | 59.01 | 1,780    |
| Crossroad -----  | 38       | 23 | 14.2  | 91        | 23 | 24.2  | 2,771    |
| Highway at fences N. and S. -----  | 38       | 23 | 14.9  | 91        | 22 | 49.4  | 2,780    |
| Junction of lane N. at fence S. -----  | 38       | 23 | 24.0  | 91        | 22 | 17.1  | 2,729    |
| Junction of rd. N. and fence S. on Franklin-<br>Gasconade county line -----  | 38       | 23 | 34.9  | 91        | 22 | 00.3  | 1,735    |
| T. 42 N., R. 4 W., approximate S. sixteenth cor.<br>sec. 10, junction of rd. S. at fence E. -----  | 38       | 23 | 36.6  | 91        | 21 | 25.6  | 2,773    |
| Gerald, 1 mi. W. of, along U.S. Highway 50,<br>654 ft. N. of S. sixteenth cor. between secs.<br>10 and 11, T. 42 N., R. 4 W., 29 ft. N. of<br>junction of rd. S., in concrete post; standard<br>tablet stamped "T T 936 C 1934 873" -----  | 38       | 23 | 43.21 | 91        | 20 | 50.79 | 2,848    |
| Highway at fences N. and S. -----  | 38       | 23 | 47.4  | 91        | 20 | 17.5  | 2,682    |
| Gerald, intersection of Pine Street -----  | 38       | 23 | 59.2  | 91        | 19 | 58.6  | 1,919    |
| Gerald, junction of County Route H -----   | 38       | 24 | 07.7  | 91        | 19 | 44.4  | 1,428    |
| Highway at fence N. -----  | 38       | 24 | 28.8  | 91        | 19 | 11.3  | 3,393    |
| T. 42 N., R. 3 W., W. quarter cor. sec. 6, stone-<br>Gerald, 2 mi. NE. of, along U.S. Highway 50, in<br>NW 1/4 NW 1/4 sec. 6, T. 42 N., R. 3 W., 100<br>ft. N. and 100 ft. E. from junction of rd. NE.,<br>37 ft. N. of highway, 10 ft. S. and 19 ft. W.<br>from fence corner, in concrete post; standard<br>tablet stamped "937 C 1934 912" ----- | 38       | 24 | 41.5  | 91        | 18 | 38.2  | 2,933    |
| Highway at fence N. -----  | 38       | 25 | 07.01 | 91        | 18 | 28.31 | 2,698    |
| Highway at fences N. and S. -----  | 38       | 25 | 23.8  | 91        | 17 | 50.2  | 3,475    |
| Highway at fences N. and S. -----  | 38       | 25 | 36.6  | 91        | 17 | 24.9  | 2,400    |
| Junction of rd. N. -----   | 38       | 25 | 51.3  | 91        | 16 | 50.3  | 3,131    |
| Signpost in triangle at junction of County<br>Route C -----  | 38       | 25 | 55.9  | 91        | 16 | 23.9  | 2,150    |
| Jacobs 2 triangulation sta.; U.S.C. & G.S.<br>standard disk stamped "Jacobs 2" -----   | 38       | 26 | 17.66 | 91        | 16 | 10.96 | 2,431    |

7. FROM SEC. 28, T. 43 N., R. 3 W., SOUTH AND EAST INTO UNION QUADRANGLE AT  
SEC. 3, T. 41 N., R. 3 W. (by C. D. Craig in 1934)

|   |    |    |       |    |    |       |       |
|---|----|----|-------|----|----|-------|-------|
| Jacobs 2 triangulation sta. (previously<br>described) -----   | 38 | 26 | 17.66 | 91 | 16 | 10.96 | ..... |
| U.S. Highway 50 at fences E. and W. -----   | 38 | 25 | 37.3  | 91 | 15 | 58.2  | 4,210 |
| Gerald, 5 mi. NE. of, along U.S. Highway 50,<br>300 ft. W. of approximate center of SE 1/4<br>sec. 33, T. 43 N., R. 3 W., 35 ft. S. and 35<br>ft. W. from highway at rds. E. and W., in<br>concrete post; standard tablet stamped "938 C<br>1934 884" ----- | 38 | 25 | 23.97 | 91 | 15 | 40.78 | 1,933 |
| Chicago, Rock Island & Pacific Ry. at rd.<br>crossing -----   | 38 | 25 | 24.2  | 91 | 15 | 57.3  | 1,314 |
| Rd. at fence E. near small cemetery -----   | 38 | 24 | 56.2  | 91 | 15 | 51.8  | 2,866 |
| Rd. forks -----   | 38 | 24 | 28.8  | 91 | 15 | 40.0  | 2,932 |
| T. 42 N., R. 3 W., quarter cor. between secs. 4<br>and 9, rd. at fence E. -----   | 38 | 24 | 17.8  | 91 | 15 | 51.6  | 1,449 |
| Rd. at fence E., 473 ft. W. of fence corner at<br>center sec. 9, T. 42 N., R. 3 W. -----  | 38 | 23 | 51.0  | 91 | 15 | 57.2  | 2,749 |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Rd. at fence W. on line between secs. 9 and 16,<br>T. 42 N., R. 3 W. -----   | 38 23 24.5  | 91 15 56.8  | 2,679    |
| T. 42 N., R. 3 W., 240 ft. S. of W. sixteenth<br>cor. between secs. 9 and 16, 14 ft. N. of rd.<br>at curve from E.-S., 10 ft. E. of fence corner,<br>in concrete post; standard tablet stamped "T T<br>939 C 1934 766" ----- | 38 23 22.17 | 91 16 07.79 | 903      |
| T. 42 N., R. 3 W., approximate W. sixteenth cor.<br>sec. 16, rd. at fence E. -----   | 38 22 57.5  | 91 16 08.2  | 2,496    |
| T. 42 N., R. 3 W., approximate W. sixteenth cor.<br>between secs. 16 and 21, T-rd. N. -----  | 38 22 31.2  | 91 16 08.4  | 2,657    |
| T-rd. W. near Antioch Church -----   | 38 22 31.1  | 91 15 31.8  | 2,917    |
| T-rd. E. -----   | 38 22 03.4  | 91 15 35.2  | 2,815    |
| T. 42 N., R. 3 W., approximate E. sixteenth cor.<br>between secs. 21 and 28, rd. at fences E. and<br>W. -----  | 38 21 36.8  | 91 15 35.1  | 2,690    |
| T. 42 N., R. 3 W., center of NE 1/4 sec. 28,<br>15 ft. S. and 36 ft. W. from rd. corner N.-W.,<br>2 ft. N. of fence, in concrete post; standard<br>tablet stamped "T T 940 C 1934 727" -----                                 | 38 21 23.08 | 91 15 35.73 | 1,390    |
| T. 42 N., R. 3 W., approximate center sec. 28,<br>rd. at fence W. -----  | 38 21 10.0  | 91 15 51.7  | 1,837    |
| T. 42 N., R. 3 W., 330 ft. W. of stone at E.<br>sixteenth cor. between secs. 28 and 33, 36 ft.<br>N. of crossroads, 17 ft. E. of rd. N., in<br>concrete post; standard tablet stamped "T T<br>941 C 1934 750" -----          | 38 20 43.31 | 91 15 39.75 | 2,863    |
| Rd. at fences E. and W. -----  | 38 20 16.2  | 91 15 34.2  | 2,777    |
| Rd. at rail fences N. and S. -----   | 38 19 56.8  | 91 15 52.8  | 2,458    |
| T. 41 N., R. 3 W., approximate N. quarter cor.<br>sec. 4, 88 ft. W. of S. quarter cor. sec. 33,<br>T. 42 N., R. 3 W., 90 ft. S. and 380 ft. E.<br>from crossroads -----  | 38 19 49.1  | 91 15 53.7  | 792      |
| T. 41 N., R. 3 W., quarter cor. between secs. 3<br>and 4, stone -----  | 38 19 16.7  | 91 15 20.8  | 4,196    |

(Continued in Union quadrangle; see line 2.)

## 8. FROM UNION QUADRANGLE NORTHWEST ALONG U.S. HIGHWAY 50 TO SEC. 33,

T. 43 N., R. 3 W. (by C. D. Craig in 1934)

(Continued from Union quadrangle; see line 4.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Highway at concrete culvert -----           | 38 25 11.5  | 91 15 10.2  | (2,931) |
| 938 C 1934 884 (previously described) ----- | 38 25 23.97 | 91 15 40.78 | 2,744   |

## 9. FROM UNION QUADRANGLE AT SEC. 34, T. 42 N., R. 3 W., WEST TO SEC. 33,

T. 42 N., R. 3 W. (by C. D. Craig in 1934)

(Continued from Union quadrangle; see line 10.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Rd. at fence W. -----  | 38 20 32.4  | 91 15 02.9  | (2,097) |
| T. 41 N., R. 3 W., cor. secs. 27, 28, 33, and 34,<br>rd. at fences N. and S. ----- | 38 20 42.9  | 91 15 19.0  | 1,664   |
| T T 941 C 1934 750 (previously described) -----                                    | 38 20 43.31 | 91 15 39.75 | 1,656   |

10. FROM SEC. 28, T. 43 N., R. 3 W., NORTHEAST ALONG COUNTY ROUTE C INTO  
UNION QUADRANGLE (by C. D. Craig in 1934)

|   |             |             |       |
|---|-------------|-------------|-------|
| Jacobs 2 triangulation sta. (previously<br>described) -----                     | 38 26 17.66 | 91 16 10.96 | ..... |
| Highway at fence E. -----   | 38 26 30.7  | 91 15 39.8  | 2,807 |
| Highway at fence E. on line between secs. 21 and<br>28, T. 43 N., R. 3 W. ----- | 38 26 58.1  | 91 15 32.5  | 2,826 |
| Junction of rd. W., 45 ft. N. and 7 ft. E. from<br>junction of rd. E. -----     | 38 27 14.8  | 91 15 12.8  | 2,310 |
| Highway at fences N. and S. -----   | 38 27 34.9  | 91 15 02.3  | 2,193 |

(Continued in Union quadrangle; see line 3.)

## 11. FROM UNION QUADRANGLE AT SEC. 10, T. 43 N., R. 3 W., WEST TO SEC. 24,

T. 43 N., R. 5 W. (by C. D. Craig in 1934)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 946 C 1934 840 (In Union quadrangle; see<br>line 3.) -----   | 38 29 12.60 | 91 14 32.13 | ..... |
| Rd. at point 15 ft. N. of triangular-blazed<br>20-in. red-oak tree -----   | 38 29 21.1  | 91 15 35.7  | 5,128 |
| Rd. fork E. near W. sixteenth cor. between<br>secs. 4 and 9, T. 43 N., R. 3 W. -----   | 38 29 38.9  | 91 16 09.4  | 3,226 |
| T. 43 N., R. 3 W., in SW 1/4 SE 1/4 sec. 5,<br>270 ft. NE. of entrance to farm of<br>A. H. Leaker, 15 ft. N. of rd., 24 ft. N. and<br>18 ft. E. from triangular-blazed 20-in. white-<br>oak tree, in rock outcrop; standard tablet<br>stamped "T T 947 C 1934 681" ----- | 38 29 47.98 | 91 16 51.20 | 3,451 |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Rd. at fence S. -----   | 38 29 42.5  | 91 17 33.2  | 3,387    |
| Rd. at fence S. -----   | 38 29 30.0  | 91 18 10.3  | 3,208    |
| Rd. at fences N. and S., 110 ft. S. of approx-<br>imate N. sixteenth cor. on W. line sec. 7,<br>T. 43 N., R. 3 W. -----   | 38 29 21.9  | 91 18 40.4  | 2,532    |
| Center of triangle at rd. forks -----   | 38 29 18.4  | 91 19 03.0  | 1,832    |
| Beemont, 3 mi. NE. of, in NW 1/4 SE 1/4 sec. 1,<br>T. 43 N., R. 4 W., 90 ft. SW. of rd. forks,<br>28 ft. S. of fence corner, in concrete post;<br>standard tablet stamped "T T 948 C 1934 709" -                      | 38 29 58.45 | 91 19 01.04 | 4,051    |
| Rd. at fence N., 230 ft. S. of center sec. 1,<br>T. 43 N., R. 4 W. -----  | 38 29 59.7  | 91 19 14.0  | 1,039    |
| Rd. at fences N. and S. -----   | 38 29 30.7  | 91 19 36.9  | 3,449    |
| T. 43 N., R. 4 W., N. sixteenth cor. between<br>secs. 11 and 12 -----   | 38 29 21.4  | 91 19 46.8  | 1,229    |
| T-rd. NW. at Beemont School -----   | 38 28 56.7  | 91 20 22.3  | 3,770    |
| T-rd. W. -----  | 38 28 42.6  | 91 20 24.9  | 1,439    |
| Beemont, 0.2 mi. E. of, in SW 1/4 SE 1/4 sec. 10,<br>T. 43 N., R. 4 W., in NE. corner of concrete<br>floor of bridge over Boeuf Creek; standard<br>tablet stamped "T T 949 C 1934 616" -----                          | 38 28 47.94 | 91 21 20.56 | 4,456    |
| Rd. at rail fence S. -----  | 38 28 49.3  | 91 21 52.3  | 2,529    |
| Rd. at fences E. and W. -----   | 38 28 57.5  | 91 22 09.9  | 1,626    |
| T-rd. E. -----  | 38 29 04.7  | 91 22 28.3  | 1,635    |
| Center of triangle at rd. fork W. -----   | 38 29 14.6  | 91 22 47.0  | 1,793    |
| Rd. at fence W., 390 ft. E. of stone at S.<br>sixteenth cor. between secs. 8 and 9, T. 43 N.,<br>R. 4 W. -----  | 38 28 59.0  | 91 23 06.4  | 2,209    |
| Rd. at fence N., 220 ft. S. of quarter cor.<br>between secs. 8 and 17, T. 43 N., R. 4 W. -----  | 38 28 43.9  | 91 23 44.8  | 3,416    |
| T. 43 N., R. 4 W., in SE 1/4 SE 1/4 sec. 7,<br>15 ft. N. and 70 ft. W. from center of triangle<br>at junction of rd. N., 24 ft. N. of rd., in<br>concrete post; standard tablet stamped "T T<br>950 C 1934 864" ----- | 38 28 50.76 | 91 24 18.15 | 2,744    |
| Rd. at fence W. -----   | 38 28 33.5  | 91 24 36.9  | 2,298    |
| Center of gate in E.-W. fence at rd. corner from<br>E.-S. -----   | 38 28 32.1  | 91 25 11.8  | 2,778    |
| Rd. at fence W. -----   | 38 28 06.7  | 91 25 23.9  | 2,751    |
| Rd. at fence E., 205 ft. E. of E. sixteenth cor.<br>between secs. 13 and 24, T. 43 N., R. 4 W. -----  | 38 27 53.9  | 91 25 40.7  | 1,856    |
| Winter 2 triangulation sta. (previously<br>described) -----   | 38 27 41.27 | 91 26 02.99 | 2,189    |

12. FROM ROSEBUD SOUTH ALONG COUNTY ROUTE T TO SEC. 4, T. 41 N., R. 4 W.,  
THENCE EAST ALONG ROADS TO SEC. 2, T. 41 N., R. 4 W., THENCE SOUTHEAST  
ALONG COUNTY ROUTE H TO SEC. 19, T. 41 N., R. 3 W., THENCE SOUTHEAST  
ALONG ROADS INTO CUBA QUADRANGLE AT SEC. 33, T. 41 N., R. 3 W. (by  
C. D. Craig in 1934)

|   |             |             |       |
|---|-------------|-------------|-------|
| 928 C 1934 890 (previously described) -----   | 38 23 13.68 | 91 23 59.01 | ..... |
| Highway at fences E. and W. -----   | 38 22 31.9  | 91 23 58.8  | 4,228 |
| Center of triangle at junction of rd. SW. -----   | 38 22 19.8  | 91 23 56.5  | 1,220 |
| Junction of rd. E., 336 ft. N. and 396 ft. W.<br>from junction of rd. E. -----  | 38 22 05.4  | 91 23 31.0  | 2,633 |
| Highway at fences E. and W. on line between<br>secs. 20 and 29, T. 42 N., R. 4 W. -----   | 38 21 38.8  | 91 23 25.5  | 2,719 |
| Highway at rail fence E. -----  | 38 21 10.6  | 91 23 17.9  | 2,916 |
| Rosebud, 3.5 mi. S. of, along County Route T, in<br>NE 1/4 sec. 32, T. 42 N., R. 4 W., 52 ft. S.<br>and 25 ft. E. from E.-W. crossroad, in concrete<br>post; standard tablet stamped "929 C 1934 870" -----   | 38 20 31.67 | 91 23 24.86 | 3,981 |
| Junction of rd. N. -----  | 38 20 16.2  | 91 23 08.7  | 2,031 |
| Highway at fences E. and W. -----   | 38 19 45.2  | 91 22 59.6  | 3,215 |
| Junction of rd. S. -----  | 38 19 33.8  | 91 23 04.8  | 1,228 |
| T. 41 N., R. 4 W., approximate S. sixteenth cor.<br>between secs. 4 and 5, rd. corner from N.-E. --   | 38 19 05.7  | 91 23 05.0  | 2,840 |
| T. 41 N., R. 4 W., approximate center of SW 1/4<br>sec. 4, rd. at fence N. -----  | 38 19 05.8  | 91 22 47.7  | 1,380 |
| T. 41 N., R. 4 W., approximate center sec. 4,<br>T-rd. E. at fence W. -----   | 38 19 19.0  | 91 22 30.4  | 1,924 |
| T. 41 N., R. 4 W., quarter cor. between secs. 3<br>and 4, 1.5 mi. W. of County Route H, 16 ft. N.<br>and 240 ft. W. from rd. at fences N. and S. on<br>Franklin-Gasconade county line, 2 ft. S. of<br>picket fence, in concrete post; standard tablet<br>stamped "930 C 1934 827" ----- | 38 19 19.42 | 91 21 58.15 | 2,569 |
| T. 41 N., R. 4 W., approximate center sec. 3,<br>rd. at fence S. -----  | 38 19 19.1  | 91 21 21.8  | 2,900 |
| Highway at fences N. and S. -----   | 38 19 18.9  | 91 20 46.8  | 2,783 |
| Junction of rd. W. -----  | 38 19 17.9  | 91 20 16.8  | 2,395 |
| Bourbeuse River, center of bridge over -----  | 38 19 04.6  | 91 19 56.9  | 2,078 |
| Junction of rd. S. -----  | 38 19 00.4  | 91 19 24.5  | 2,616 |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| T. 41 N., R. 4 W., quarter cor. between secs. 1 and 12, 56 ft. N. and 29 ft. W. from County Route H at old rd. W. and fence E., in concrete post; standard tablet stamped "931 C 1934 696"                             | 38 18 55.58 | 91 19 08.60 | 1,358    |
| T. 41 N., R. 4 W., center sec. 12, stone -----   | 38 18 28.3  | 91 19 08.2  | 2,762    |
| Highway at fences N. and S. on line between secs. 7 and 12, T. 41 N., Rs. 3 and 4 W. -----   | 38 18 17.9  | 91 18 35.8  | 2,787    |
| Highway at fence E. on line between secs. 7 and 18, T. 41 N., R. 3 W. -----  | 38 17 59.2  | 91 18 23.1  | 2,148    |
| Junction of rd. E. to Champion -----   | 38 17 45.2  | 91 18 11.0  | 1,719    |
| Junction of rd. W. -----   | 38 17 19.9  | 91 18 09.7  | 2,558    |
| Highway at fences E. and W., 15 ft. E. of quarter cor. between secs. 18 and 19, T. 41 N., R. 3 W. -----  | 38 17 06.7  | 91 18 09.4  | 1,338    |
| T. 41 N., R. 3 W., in SW 1/4 NE 1/4 sec. 19, 30 ft. N. and 29 ft. E. from County Route H at E.-W. crossroad, 2 ft. N. of iron post stamped "St L 779" in concrete post; standard tablet stamped "932 C 1934 776" ----- | 38 16 46.29 | 91 17 55.93 | 2,326    |
| Junction of rd. E. at fence W. -----   | 38 16 19.0  | 91 17 46.6  | 2,865    |
| T. 41 N., R. 3 W., cor. secs. 19, 20, 29, and 30, stone, 20 ft. N. of rd. at fences N. and S. ---  | 38 16 13.9  | 91 17 36.0  | 994      |
| Center of triangle at rd. fork S. on W. side of Boone Creek -----  | 38 16 10.7  | 91 17 08.5  | 2,218    |
| Rd. at fence N. -----  | 38 16 01.3  | 91 16 59.6  | 1,185    |
| T. 41 N., R. 3 W., quarter cor. between secs. 28 and 29, rd. at fence W. near Miller School ---  | 36 15 48.0  | 91 16 27.3  | 2,910    |
| Miller School, 0.4 mi. S. of, in SW 1/4 SW 1/4 sec. 28, T. 41 N., R. 3 W., on top of hill, 30 ft. E. of rd., 8 ft. N. of fence NE., in rock outcrop; standard tablet stamped "944 C 1934 851" -----                    | 38 15 29.99 | 91 16 22.26 | 1,865    |
| Rd. at fences N. and S., 43 ft. S. of W. sixteenth cor. between secs. 28 and 33, T. 41 N., R. 3 W. -----   | 38 15 21.1  | 91 16 09.6  | 1,356    |

(Continued in Cuba quadrangle; see line 6.)

13. FROM SEC. 19, T. 41 N., R. 3 W., WEST TO SEC. 22, T. 41 N., R. 5 W.  
(by C. D. Craig in 1934)

|  |             |             |       |
|--|-------------|-------------|-------|
| 932 C 1934 776 (previously described) -----  | 38 16 46.29 | 91 17 55.93 | ..... |
| Rd. at fence N. on line between secs. 19 and 24, T. 41 N., Rs. 3 and 4 W. -----  | 38 16 39.7  | 91 18 35.8  | 3,251 |
| T-rd. W. at fence E., 570 ft. W. of E. sixteenth cor. between secs. 24 and 25, T. 41 N., R. 4 W. -----   | 38 16 14.9  | 91 19 00.0  | 3,168 |
| Rd. at fence E., 224 ft. W. of fence corner at center sec. 25, T. 41 N., R. 4 W. -----   | 38 15 48.6  | 91 19 12.9  | 2,855 |
| Boone Store, crossroads at -----   | 38 15 29.8  | 91 19 23.1  | 2,069 |
| Rd. at fences N. and S. -----  | 38 15 25.0  | 91 19 43.8  | 1,719 |
| Little Bourbeuse River, center of bridge over ---  | 38 15 18.1  | 91 20 04.4  | 1,783 |
| T. 41 N., R. 4 W., near N. sixteenth cor. sec. 35, 30 ft. S. and 43 ft. W. from junction of rd. S., near creek, in sandstone outcrop; standard tablet stamped "933 C 1934 712" ----- | 38 15 08.79 | 91 20 19.30 | 1,517 |
| Rd. at fence N. -----  | 38 15 00.0  | 91 20 53.4  | 2,864 |

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

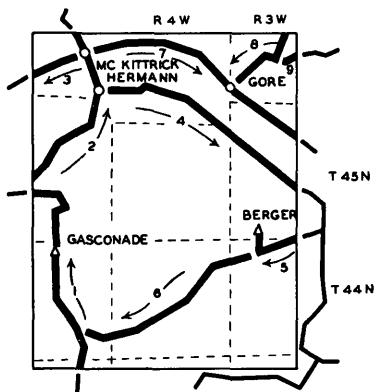
|  |             |             |         |
|--|-------------|-------------|---------|
| Rd. at fences N. and S. on Franklin-Gasconade county line -----  | 38 15 04.4  | 91 22 00.4  | (1,644) |
| Rd. at fence S. -----  | 38 15 18.0  | 91 22 20.3  | 2,100   |
| Tea, 3 mi. SE. of, in SE 1/4 SW 1/4 sec. 28, T. 41 N., R. 4 W., 18 ft. N. and 50 ft. E. from center of triangle at rd. forks, in concrete post; standard tablet stamped "934 C 1934 833" ----- | 38 15 27.21 | 91 22 46.83 | 2,308   |
| T. 41 N., R. 4 W., cor. secs. 28, 29, 32, and 33, rd. at fence N. -----  | 38 15 21.6  | 91 23 09.3  | 1,882   |
| T. 41 N., R. 4 W., quarter cor. between secs. 29 and 32, rd. at fence N. -----   | 38 15 21.7  | 91 23 42.8  | 2,674   |
| T. 41 N., R. 4 W., cor. secs. 29, 30, 31, and 32, stone -----  | 38 15 21.8  | 91 24 16.6  | 2,689   |
| T. 41 N., R. 4 W., E. sixteenth cor. between secs. 30 and 31, stone at T-rd. N. and fence S. T. 41 N., R. 4 W., approximate quarter cor. between secs. 30 and 31, rd. at fence N. -----        | 38 15 22.0  | 91 24 33.2  | 1,329   |
| Rd. at fence N. on line between secs. 25 and 30, T. 41 N., Rs. 4 and 5 W. -----  | 38 15 22.3  | 91 24 49.9  | 1,333   |
| Rd. corner from E.-NW. at fences S. and W. ---   | 38 15 27.9  | 91 25 26.0  | 2,929   |
| T. 41 N., R. 5 W., near N. sixteenth cor. sec. 25, 8 ft. N. and 17 ft. E. from T-rd. W., in concrete post; standard tablet stamped "935 C 1934 751" -----                                      | 38 15 37.0  | 91 25 44.2  | 1,725   |
|  | 38 16 03.57 | 91 25 58.02 | 2,906   |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| T. 41 N., R. 5 W., approximate center NW 1/4<br>sec. 25, T-rd. N. ----- | 38 16 03.0  | 91 26 15.0  | 1,350    |
| T-rd. S. -----  | 38 15 52.5  | 91 26 28.6  | 2,883    |
| T-rd. N. -----  | 38 16 11.8  | 91 27 08.6  | 2,524    |
| Rd. at fences N. and S. -----   | 38 16 14.1  | 91 27 40.1  | 2,527    |
| T T 54 B 1932 745 (previously described) -----                          | 38 16 22.99 | 91 28 29.78 | 4,059    |

Magnetic declination 6° 02' E.

HERMANN QUADRANGLE  
(Latitude 38°30'-38°45'; longitude 91°15'-91°30')

Franklin, Gasconade, Montgomery, and Warren Counties



1. FROM GERALD QUADRANGLE NORTH ALONG STATE HIGHWAY 19 TO SEC. 3, T. 44 N., R. 5 W., THENCE NORTH AND WEST ALONG ROADS INTO MORRISON QUADRANGLE AT SEC. 20, T. 45 N., R. 5 W. (by C. W. Williams in 1934)  
(Continued from Gerald quadrangle; see line 5.)

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| T. 43 N., R. 5 W., approximate quarter cor.<br>between secs. 2 and 3, highway at fence W. ---<br>Drake, 3 mi. N. of, along State Highway 19, near<br>N. cor. secs. 2 and 3, T. 43 N., R. 5 W., 20<br>ft. S. and 39 ft. E. from highway at fence E.,<br>in concrete post; standard tablet stamped "659<br>C W A 1934" ----- | 38 30 10.2  | 91 27 42.2  | (2,700)  |
| Highway at fence E. -----  | 38 30 41.05 | 91 27 41.43 | 3,125    |
| Drake, 4.7 mi. N. of, along State Highway 19,<br>286 ft. S. and 6 ft. W. from quarter cor.<br>between secs. 26 and 27, T. 44 N., R. 5 W., 39<br>ft. S. and 65 ft. E. from junction of County<br>Route E, in concrete post; standard tablet<br>stamped "660 C W A 1934" -----   | 38 31 17.2  | 91 27 27.3  | 3,823    |
| Highway at fence N. -----  | 38 31 54.66 | 91 27 40.91 | 3,943    |
| Junction of rd. E. at fence W. -----   | 38 32 07.5  | 91 28 07.9  | 2,507    |
| T. 44 N., R. 5 W., quarter cor. between secs. 15<br>and 22, T-fence N. -----   | 38 32 51.8  | 91 28 21.5  | 4,612    |
| Junction of rd. E. -----   | 38 33 18.7  | 91 28 13.4  | 2,799    |
| Swiss, in SE 1/4 NW 1/4 sec. 15, T. 44 N.,<br>R. 5 W., 250 ft. N. of State Highway 19 at rd.<br>junction, 88 ft. W. of NW. corner of church,<br>1/4 ft. E. of highway, in concrete post;<br>standard tablet stamped "661 C W A 1934" -----   | 38 33 32.4  | 91 28 17.9  | 1,425    |
| Junction of rds. SE. and NW. -----   | 38 33 48.35 | 91 26 14.72 | 1,638    |
| Highway at fences E. and W. -----  | 38 34 12.3  | 91 26 25.3  | 2,569    |
| Highway at fence W. -----  | 38 34 26.8  | 91 26 27.8  | 1,476    |
| Gasconade triangulation sta.; U.S.C. & G.S.<br>standard disk stamped "Gasconade" -----   | 38 34 59.4  | 91 26 31.4  | 3,319    |
| Rd. at rail fence E. -----   | 38 35 33.32 | 91 28 03.93 | 4,062    |
| Rd. fork SW. -----   | 38 36 00.6  | 91 28 25.1  | 3,235    |
| T. 45 N., R. 5 W., U. sixteenth cor. sec. 27,<br>drilled hole in outcrop -----   | 38 36 40.0  | 91 26 27.1  | 3,986    |
|  | 38 37 20.7  | 91 28 29.5  | 4,123    |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| T. 45 N., R. 5 W., 482 ft. W. of quarter cor. between secs. 22 and 27, 12 ft. N. and 31 ft. E. from T-rd. W., 2 ft. S. and 6 ft. E. from corner of picket fence, on property of Joseph Jordan, in concrete post; standard tablet stamped "662 C W A 1934" ----- | 38 37 47.40 | 91 28 18.30 | 2,840    |
| Rd. at fence N. -----   | 38 37 47.4  | 91 28 37.7  | 1,545    |
| T. 45 N., R. 5 W., E. sixteenth cor. between secs. 21 and 28, stone at T-fence W. -----   | 38 37 47.8  | 91 29 03.6  | 2,052    |
| T. 45 N., R. 5 W., W. sixteenth cor. between secs. 21 and 28, stone at fence corner from N.-W. -----  | 38 37 48.0  | 91 29 37.9  | 2,727    |

(Continued in Morrison quadrangle; see line 5.)

2. FROM MORRISON QUADRANGLE NORTHEAST ALONG COUNTY ROUTE J TO HERMANN, THENCE NORTH ALONG STATE HIGHWAY 19 INTO NEW FLORENCE QUADRANGLE (by C. W. Williams in 1934)

|   |             |             |       |
|---|-------------|-------------|-------|
| 663 C W A 1934 (In Morrison quadrangle; see line 5.) -----  | 38 38 21.94 | 91 30 37.60 | ..... |
| T. 45 N., R. 5 W., cor. secs. 16, 17, 20, and 21, stone at T-fence E. -----   | 38 38 41.2  | 91 29 55.4  | 3,873 |
| Junction of rd. W. -----  | 38 38 53.3  | 91 29 36.0  | 1,966 |
| Highway at fence E. -----   | 38 39 18.7  | 91 29 10.1  | 3,296 |
| Junction of rd. S. -----  | 38 39 33.2  | 91 29 07.1  | 1,483 |
| T. 45 N., R. 5 W., quarter cor. between secs. 9 and 10, rock pile -----   | 38 40 00.2  | 91 28 46.5  | 3,180 |
| Hermann, 3.7 mi. SW. of, along County Route J, in SW 1/4 NW 1/4 sec. 10, T. 45 N., R. 5 W., 195 ft. N. of highway, 30 ft. E. of old Gasconade-Hermann rd., 12 ft. N. of blazed oak tree, in concrete post; standard tablet stamped "T T 678 C W A 1934" ----- | 38 40 10.17 | 91 28 45.27 | 1,017 |
| Highway at fence E. -----   | 38 40 26.3  | 91 28 07.6  | 3,408 |
| T. 45 N., R. 5 W., W. sixteenth cor. sec. 2, stone at cross fences -----  | 38 40 52.2  | 91 27 19.3  | 4,637 |
| Highway at fence E. on line between secs. 2 and 35, Tps. 45 and 46 N., R. 5 W. -----  | 38 41 18.6  | 91 26 49.5  | 3,574 |
| Hermann, at S. edge of, highway at street W. -----  | 38 41 32.2  | 91 26 44.3  | 1,434 |
| Junction of State Highway 19 -----  | 38 41 44.2  | 91 26 26.7  | 1,854 |
| Hermann, intersection of Fourth and Market Streets -----  | 38 42 15.6  | 91 26 15.5  | 3,295 |
| Hermann, 47 ft. S. and 19 ft. E. from junction of State Highways 19 and 100, in W. parking and in line with N. face of Methodist Church, in concrete post; standard tablet stamped "T T 679 C W A 1935" -----   | 38 42 24.70 | 91 26 14.08 | 933   |
| Missouri River, N. end of bridge over -----   | 38 42 46.9  | 91 26 23.3  | 2,367 |
| Hermann, 1.7 mi. N. of, along State Highway 19, 40 ft. N. and 273 ft. E. from highway at crossing of Case-Rhineland rd., 2 ft. E. of fence, in small triangular lot, in concrete post; standard tablet stamped "T T 680 C W A 1935" -----                     | 38 43 45.19 | 91 26 43.05 | 6,106 |
| Missouri-Kansas-Texas R.R., center of bridge over Highway at fence W. -----   | 38 44 00.3  | 91 26 52.2  | 1,697 |
|   | 38 44 45.7  | 91 26 59.0  | 4,624 |

(Continued in New Florence quadrangle; see line 2.)

3. FROM MCKITTRICK WEST INTO MORRISON QUADRANGLE AT SEC. 29, T. 46 N., R. 5 W. (by C. W. Williams in 1934)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 680 C W A 1935 (previously described) -----                                     | 38 43 45.19 | 91 26 43.05 | ..... |
| T-rd. S. -----  | 38 43 40.4  | 91 27 19.1  | 2,894 |
| T. 46 N., R. 5 W., approximate quarter cor. between secs. 22 and 27, T-rd. S. ----- | 38 43 41.0  | 91 27 53.8  | 2,750 |
| Crossroads in line with fence N. -----  | 38 43 34.7  | 91 28 47.5  | 4,304 |
| T-rd. S. -----  | 38 43 26.7  | 91 29 23.5  | 2,964 |

(Continued in Morrison quadrangle; see line 7.)

4. FROM HERMANN SOUTHEAST ALONG MISSOURI PACIFIC RAILROAD INTO WASHINGTON QUADRANGLE (by C. D. Craig in 1935)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 679 C W A 1935 (previously described) -----                           | 38 42 24.70 | 91 26 14.08 | ..... |
| Center of double track at semaphore 806 -----                             | 38 42 26.7  | 91 25 30.1  | 3,494 |
| Concrete milepost with brass plate stamped "M P 80" -----                 | 38 42 27.93 | 91 24 46.37 | 3,467 |
| Center of double track between semaphores -----                           | 38 42 24.6  | 91 24 13.0  | 2,670 |
| T. 46 N., R. 4 W., E. sixteenth cor. between secs. 29 and 32, stone ----- | 38 42 11.0  | 91 23 30.5  | 3,640 |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Hermann, 2.7 mi. E. of, along Missouri Pacific R.R., in NW 1/4 NW 1/4 sec. 33, T. 46 N., R. 4 W., 26 ft. S. of center of three tracks, in concrete base of signal box; standard tablet stamped "T T 958 C 1935 515" ----- | 38 42 07.82 | 91 23 03.87 | 2,133    |
| N. track at telegraph pole 78 -----   | 38 42 00.3  | 91 22 40.3  | 2,016    |
| Center of S. track at signal box -----  | 38 41 49.3  | 91 22 13.9  | 2,374    |
| Center of double track at rd. crossing near semaphore 770 -----   | 38 41 36.0  | 91 21 42.4  | 2,832    |
| Center of double track at rd. crossing -----  | 38 41 25.5  | 91 21 18.8  | 2,155    |
| Center of double track at fence N. -----  | 38 41 10.8  | 91 20 49.6  | 2,755    |
| Center of double track between semaphores -----   | 38 40 58.4  | 91 20 25.7  | 2,269    |
| Berger, 0.4 mi. NW. of Missouri Pacific R.R. sta., 15 ft. S. of center of double track, in concrete head wall of culvert; standard tablet stamped "T T 959 C 1935 511" -----  | 38 40 51.91 | 91 20 17.75 | 911      |
| Berger, center of double track at rd. crossing -----  | 38 40 37.2  | 91 20 05.9  | 1,757    |
| Center of double track at semaphore -----   | 38 40 16.5  | 91 19 29.5  | 3,565    |
| Fences S. and W. at rd. E., 20 ft. E. of center of double track -----   | 38 40 08.5  | 91 19 17.9  | 1,227    |
| Center of double track at signal box -----  | 38 39 53.8  | 91 18 55.1  | 2,344    |
| Center of double track at rd. E. and fence W. -----   | 38 39 28.9  | 91 18 20.6  | 3,714    |
| Center of double track at fence E. -----  | 38 39 15.8  | 91 18 04.0  | 1,870    |
| Etiah, 1.5 mi. NW. of, along Missouri Pacific R.R., in concrete parapet wall at NW. end of bridge over Berger Creek and rd.; standard tablet stamped "T T 960 C 1935 510" -----   | 38 38 57.94 | 91 17 42.40 | 2,492    |
| Center of double track at signal box -----  | 38 38 52.0  | 91 17 24.6  | 1,534    |
| Iron pin, 5 ft. S. of E.-W. rd., 50 ft. E. of 36-in. cottonwood tree -----  | 38 38 36.9  | 91 16 31.0  | 4,520    |
| Etiah, center of double track at rd. crossing -----   | 38 38 22.8  | 91 16 33.6  | 1,442    |
| Center of double track at signal box -----  | 38 38 05.2  | 91 15 52.7  | 3,700    |
| Center of double track at N.-S. property line, 370 ft. N. of stone at cor. secs. 21, 22, 27, and 28, T. 45 N., R. 3 W. -----  | 38 37 49.3  | 91 15 22.1  | 2,913    |

(Continued in Washington quadrangle; see line 3.)

5. FROM WASHINGTON QUADRANGLE SOUTHWEST ALONG COUNTY ROUTE E TO SEC. 5,  
T. 44 N., R. 3 W., THENCE NORTH ALONG ROADS TO SEC. 32, T. 45 N.,  
R. 3 W. (by C. D. Craig in 1935)

(Continued from Washington quadrangle; see line 2.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Center of bridge over creek -----  | 38 35 24.2  | 91 15 05.1  | (2,566) |
| Junction of rd. S. at fence N. -----   | 38 35 22.1  | 91 15 25.5  | 1,637   |
| Highway at fence S. -----  | 38 35 21.5  | 91 15 53.8  | 2,251   |
| Highway at fence S. -----  | 38 35 12.9  | 91 16 30.9  | 3,067   |
| New Haven, 3.8 mi. SW. of, along County Route E, 0.1 mi. E. of quarter cor. between secs. 5 and 8, T. 44 N., R. 3 W., 40 ft. S. and 140 ft. W. from junction of rd. S. to Disson, 30 ft. S. of highway, in concrete post; standard tablet stamped "T T 954 C 1935 777" ----- | 38 34 59.44 | 91 16 58.00 | 2,548   |
| Rd. at fences N. and S. -----  | 38 34 59.0  | 91 17 37.8  | 3,159   |
| Rd. at fences E. and W. -----  | 38 35 26.1  | 91 17 18.3  | 3,153   |
| Rd. at point 15 ft. E. of mail box of William A. Todd -----  | 38 35 36.2  | 91 17 04.5  | 1,497   |
| Berger triangulation sta.; U.S.C. & G.S. standard disk stamped "Berger" -----  | 38 35 58.11 | 91 17 27.98 | 2,899   |

6. FROM SEC. 5, T. 44 N., R. 3 W., SOUTHWEST ALONG ROADS TO SEC. 14,  
T. 44 N., R. 4 W., THENCE SOUTHWEST ALONG COUNTY ROUTE E TO SEC. 26,  
T. 44 N., R. 5 W. (by C. D. Craig in 1935)

|  |             |             |       |
|--|-------------|-------------|-------|
| Rd. at fences N. and S. (previously described) --  | 38 34 59.0  | 91 17 37.8  | ..... |
| Rd. at fences N. and S. -----  | 38 34 58.8  | 91 18 11.6  | 2,684 |
| T-rd. S. at fence N. -----   | 38 34 49.5  | 91 18 28.7  | 1,650 |
| Rd. at fences N. and S. -----  | 38 34 45.8  | 91 18 59.6  | 2,483 |
| Rd. at fence N., 30 ft. N. of center sec. 12, T. 44 N., R. 4 W. -----  | 38 34 32.8  | 91 19 15.6  | 1,827 |
| T. 44 N., R. 4 W., quarter cor. between secs. 11 and 12, 30 ft. S. and 200 ft. W. from County Route E at rd. W. and fence S., in concrete post; standard tablet stamped "T T 955 C 1935 756" ----- | 38 34 31.82 | 91 19 52.07 | 2,898 |
| Rd. at fences E. and W. -----  | 38 34 18.8  | 91 20 02.3  | 1,554 |
| Rd. fork NW. -----   | 38 33 58.6  | 91 20 20.9  | 2,516 |
| Junction of rd. W. at fence E. -----   | 38 33 38.6  | 91 20 27.7  | 2,092 |
| Junction of lane S. at fence N., 615 ft. N. of cor. secs. 14, 15, 22, and 23, T. 44 N., R. 4 W. -----  | 38 33 18.5  | 91 20 57.2  | 3,106 |
| Highway at fences N. and S. -----  | 38 33 09.9  | 91 21 13.6  | 1,569 |
| Highway at fences N. and S., 240 ft. S. of stone at N. sixteenth cor. sec. 22, T. 44 N., R. 4 W. -----   | 38 32 57.1  | 91 21 31.3  | 1,909 |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | " ' "       | " ' "       | Feet     |
| Stony Hill, 25 ft. N. and 140 ft. E. from iron pipe on Franklin-Gasconade county line, at quarter cor. between secs. 21 and 22, T. 44 N., R. 4 W., 45 ft. S. of County Route E, 30 ft. N. and 28 ft. W. from NW. corner of brick schoolhouse, in concrete post; standard tablet stamped "T T 956 C 1935 829" -----                | 38 32 47.26 | 91 22 03.78 | 2,763    |
| Stony Hill, junction of rd. SE. at -----  | 38 32 33.9  | 91 22 26.5  | 2,256    |
| Highway at fence S., 93 ft. N. of W. sixteenth cor. between secs. 21 and 28, T. 44 N., R. 4 W. -----  | 38 32 22.0  | 91 22 56.5  | 2,666    |
| Highway at fence S., 285 ft. N. of stone at quarter cor. between secs. 28 and 29, T. 44 N., R. 4 W. -----   | 38 31 57.6  | 91 23 13.4  | 2,812    |
| Crossroad -----   | 38 31 55.8  | 91 23 28.9  | 1,250    |
| Highway at fence N. -----   | 38 31 56.8  | 91 23 47.5  | 1,481    |
| Highway at fence N. -----   | 38 31 55.9  | 91 24 21.3  | 2,689    |
| Drake, 5 mi. N., thence 2 mi. E. from, along State Highway 19 and County Route E, 2.9 mi. W. of Stony Hill, W. quarter cor. sec. 30, T. 44 N., R. 4 W., 160 ft. S. and 210 ft. E. from fence corner N.-E., 18 ft. S. and 124 ft. E. from junction of rd. S., in concrete post; standard tablet stamped "T T 957 C 1935 899" ----- | 38 31 53.59 | 91 25 23.29 | 4,929    |
| Junction of rd. N. at fence S. -----  | 38 31 55.5  | 91 25 59.8  | 2,907    |
| Highway at fence N. -----   | 38 32 00.4  | 91 26 16.3  | 1,404    |
| Highway at fence N., 30 ft. S. of E. sixteenth cor. sec. 26, T. 44 N., R. 5 W. -----  | 38 31 56.0  | 91 26 50.0  | 2,715    |
| Highway at fences N. and S. -----   | 38 31 57.2  | 91 27 23.7  | 2,677    |
| 660 C W A 1934 (previously described) -----   | 38 31 54.66 | 91 27 40.91 | 1,393    |

7. FROM MCKITTRICK SOUTHEAST ALONG MISSOURI-KANSAS-TEXAS RAILROAD INTO WASHINGTON QUADRANGLE (by C. D. Craig in 1935)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 680 C W A 1935 (previously described) -----   | 38 43 45.19 | 91 26 43.05 | ..... |
| McKittrick, R.R. at sta. semaphore -----  | 38 44 02.4  | 91 26 36.7  | 1,817 |
| R.R. at semaphore -----   | 38 44 05.6  | 91 25 38.6  | 4,613 |
| R.R. at Montgomery-Warren county line -----   | 38 44 07.4  | 91 25 03.9  | 2,758 |
| Case, 1.4 mi. W. of, along Missouri-Kansas-Texas R.R. near center of E 1/2 sec. 19, T. 46 N., R. 4 W., 10 ft. S. and 88 ft. W. from rd. crossing, 11 ft. S. of track, in E. end of head wall of concrete culvert; standard tablet stamped "T T 1720 E R A 1935" ----- | 38 44 09.09 | 91 24 04.32 | 4,726 |
| R.R. at semaphore -----   | 38 44 08.4  | 91 23 30.2  | 2,706 |
| R.R. at fence N. on line between secs. 20 and 21, T. 46 N., R. 4 W. -----   | 38 44 03.7  | 91 22 46.9  | 3,461 |
| Case, R.R. at sta. -----  | 38 44 04.1  | 91 22 30.0  | 1,342 |
| Case, 0.6 mi. E. of, along Missouri-Kansas-Texas R.R., 22 ft. N. and 18 ft. W. from telegraph pole marked "50", 11 ft. S. of track, in E. end of head wall of concrete culvert; standard tablet stamped "T T 1721 E R A 1935" -----                                   | 38 44 00.33 | 91 21 53.99 | 2,882 |
| R.R. at private rd. crossing -----  | 38 43 41.4  | 91 21 11.2  | 3,897 |
| R.R. at rd. crossing -----  | 38 43 12.8  | 91 20 13.4  | 5,419 |
| Gore, R.R. at rd. crossing -----  | 38 42 49.8  | 91 19 22.7  | 4,642 |
| Gore, 0.4 mi. E. of, along Missouri-Kansas-Texas R.R., in S. end of E. stone pier of bridge 93.4 over Lost Creek; standard tablet stamped "T T 1722 E R A 1935" -----   | 38 42 40.92 | 91 18 59.39 | 2,058 |
| Rd. at fence NE. -----  | 38 42 19.8  | 91 18 26.6  | 3,360 |
| M.-R.C. triangulation sta. designated "Lost" -----  | 38 41 42.54 | 91 17 36.78 | 5,459 |
| U.S.C.E. triangulation sta. (not designated) -----  | 38 41 25.02 | 91 17 17.79 | 2,257 |
| R.R. at rd. crossing at barnyard of Louis Dotager -----   | 38 41 12.0  | 91 16 55.6  | 2,249 |
| U.S.C.E. triangulation sta. (not designated) -----  | 38 41 04.26 | 91 16 44.75 | 1,167 |
| U.S.C.E. triangulation sta. (not designated) -----  | 38 40 47.92 | 91 16 23.20 | 2,378 |
| Bernheimer, center of center pier of bridge 89.0 over Clear Branch -----  | 38 40 09.0  | 91 15 26.7  | 5,960 |

(Continued in Washington quadrangle; see line 7.)

8. FROM NEW FLORENCE QUADRANGLE AT SEC. 16, T. 46 N., R. 3 W., SOUTHWEST TO GORE (by C. D. Craig in 1935)  
(Continued from New Florence quadrangle; see line 5.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Rd. at fence N. along W. side of garden -----  | 38 44 38.9  | 91 15 43.8  | (3,402) |
| Rd. at blazed 18-in. white-oak tree near cemetery -----  | 38 44 30.1  | 91 15 59.9  | 1,559   |
| Rd. at blazed 14-in. white-oak tree -----  | 38 44 28.7  | 91 16 26.6  | 2,120   |
| Gore, 3.4 mi. NE. of, 45 ft. N. and 50 ft. W. from center of triangle at junction of two rds. to Pendleton, in yard of Rudolph Miller, 6 ft. S. and 13 ft. E. from front gate, in concrete post; standard tablet stamped "T T 1759 E R A 1935" ----- | 38 44 00.28 | 91 16 54.94 | 3,646   |
| Rd. at farmhouse of Fritz Paertner -----   | 38 44 06.8  | 91 17 36.0  | 3,320   |



| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Rd. at row of trees bearing S. 72° E. -----       | 38 43 51.2  | 91 18 11.4  | 3,217    |
| Rd. at fence bearing S. 70° E. -----              | 38 43 33.7  | 91 18 27.8  | 2,200    |
| Center of triangle at rd. fork N. -----           | 38 43 19.1  | 91 18 44.1  | 1,963    |
| Center of triangle at rd. fork W. -----           | 38 43 18.9  | 91 19 13.7  | 2,361    |
| U.S.C.E. B.M. designated "20/2" -----             | 38 42 50.40 | 91 19 22.28 | 2,761    |
| Gore, R.R. at rd. crossing (previously described) | 38 42 49.8  | 91 19 22.7  | 69       |

9. FROM POINT 3.4 MILES NORTHEAST OF GORE EAST INTO WASHINGTON QUADRANGLE  
AT SEC. 21, T. 46 N., R. 3 W. (by C. D. Craig in 1935)

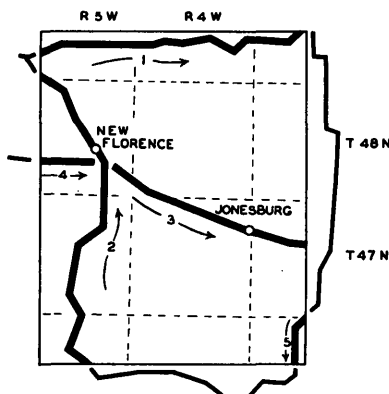
|  |             |             |       |
|--|-------------|-------------|-------|
| T T 1759 E R A 1935 (previously described) -----                       | 38 44 00.28 | 91 16 54.94 | ..... |
| Center of triangle at rd. forks at mail box of<br>Rudolf Mueller ----- | 38 43 40.2  | 91 16 14.0  | 3,833 |
| Triangular-blazed 18-in. sycamore tree near fence<br>corner -----      | 38 43 45.2  | 91 15 32.1  | 3,356 |

(Continued in Washington quadrangle; see line 9.)

Magnetic declination 5° 48' E.

NEW FLORENCE QUADRANGLE  
(Latitude 38°45'-39°00'; longitude 91°15'-91°30')

Lincoln, Montgomery, and Warren Counties



1. FROM MINEOLA QUADRANGLE AT SEC. 29, T. 49 N., R. 5 W., EAST INTO  
BELLFLOWER QUADRANGLE AT SEC. 21, T. 49 N., R. 3 W. (by C. R. Fisher  
in 1928)  
(Continued from Mineola quadrangle; see line 5.)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| T-rd. E. -----  | 38 59 32.9  | 91 29 48.5  | (2,964)  |
| T-rd. N. -----  | 38 59 31.3  | 91 29 01.8  | 3,689    |
| T-rd. E. -----  | 38 59 43.5  | 91 28 35.6  | 2,412    |
| T. 49 N., R. 5 W., cor. secs. 22, 23, 26, and 27,<br>rd. at fence N. -----  | 38 59 40.5  | 91 26 57.4  | 7,760    |
| Buell, 2.8 mi. S. of, quarter cor. between secs.<br>23 and 26, T. 49 N., R. 5 W., 25 ft. S. and<br>45 ft. W. from crossroads, in concrete post;<br>standard tablet stamped "T T Sta No 8 P" ----- | 38 59 38.58 | 91 26 24.46 | 2,606    |
| Center of bridge over creek -----   | 38 59 37.3  | 91 25 56.5  | 2,215    |
| T. 49 N., R. 5 W., cor. secs. 23, 24, 25, and 26,<br>rd. at fences N. and S. -----  | 38 59 37.1  | 91 25 50.1  | 500      |
| Center of bridge over creek -----   | 38 59 36.5  | 91 25 19.8  | 2,395    |
| Rd. at fences N. and S. -----   | 38 59 35.2  | 91 24 41.1  | 3,057    |
| Center of bridge over creek -----   | 38 59 34.8  | 91 24 35.6  | 434      |
| T. 49 N., R. 4 W., cor. secs. 19, 20, 29, and 30,<br>25 ft. S. and 20 ft. W. from T-rd. S. (point<br>not described) -----   | 38 59 33.46 | 91 23 34.41 | 4,837    |
| Center of bridge over creek -----   | 38 59 33.5  | 91 22 55.8  | 3,045    |
| T. 49 N., R. 4 W., cor. secs. 20, 21, 28, and 29,<br>crossroads -----   | 38 59 33.4  | 91 22 26.2  | 2,340    |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Liege, 0.5 mi. S. of, near cor. secs. 21, 22, 27, and 28, T. 49 N., R. 4 W., 30 ft. S. and 35 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 10 F 1928"-   | 38 59 32.50 | 91 21 18.52 | 5,345    |
| Chicago, Burlington & Quincy R.R. at rd. crossing   | 38 59 34.0  | 91 19 49.4  | 7,040    |
| T-rd. S. -----  | 38 59 34.1  | 91 19 36.4  | 1,020    |
| T-rd. S. -----  | 38 59 18.7  | 91 19 03.8  | 3,013    |
| T-rd. N. -----  | 38 59 22.7  | 91 18 29.9  | 2,711    |
| Truxton, 0.8 mi. S. and 3 mi. W. from, cor. secs. 19, 24, 25, and 30, T. 49 N., Rs. 3 and 4 W., 120 ft. S. and 20 ft. E. from fence corner, 20 ft. N. and 10 ft. E. from rd. corner, in concrete post; standard tablet stamped "T T Sta No 11 F 1928" ----- | 38 59 36.48 | 91 17 55.16 | 3,076    |
| T-rd. N. -----  | 38 59 35.4  | 91 16 42.3  | 5,754    |
| Bear Creek, E. end of bridge over -----   | 38 59 40.7  | 91 16 24.8  | 1,476    |
| T-rd. S. -----  | 38 59 47.1  | 91 15 53.5  | 2,559    |

(Continued in Silex quadrangle; see line 1.)

2. FROM HERMANN QUADRANGLE NORTH ALONG STATE HIGHWAY 19 TO SEC. 26,  
T. 48 N., R. 5 W., THENCE NORTHWEST ALONG WABASH RAILWAY INTO  
MINEOLA QUADRANGLE (by C. W. Williams in 1935)  
(Continued from Hermann quadrangle; see line 2.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Stone near large elm tree -----  | 38 45 01.7  | 91 27 19.0  | (2,269) |
| Highway at fences N. and S. -----  | 38 45 04.5  | 91 27 34.9  | 1,289   |
| Highway at fence E. -----  | 38 45 16.0  | 91 28 01.2  | 2,387   |
| McKittrick, 2.2 mi. N. of, along State Highway 19, 960 ft. E. of cor. secs. 9, 10, 15, and 16, T. 46 N., R. 5 W., 40 ft. (? 210) E. of highway, in line with fence E. and rd. W., in concrete post; standard tablet stamped "T T 681 C W A 1935" -----                                 | 38 45 28.85 | 91 28 14.01 | 1,650   |
| T. 46 N., R. 5 W., cor. secs. 9, 10, 15, and 16, rd. at fences N. and S. -----   | 38 45 29.0  | 91 28 26.1  | 960     |
| Highway at fences E. and W. -----  | 38 45 55.5  | 91 28 25.7  | 2,673   |
| Junction of rd. W. -----   | 38 46 22.3  | 91 28 10.6  | 2,963   |
| T. 46 N., R. 5 W., cor. secs. 3, 4, 9, and 10, rd. at fence N. -----   | 38 46 22.9  | 91 28 25.7  | 1,195   |
| Highway at fences E. and W. -----  | 38 46 47.2  | 91 27 56.1  | 3,397   |
| Bear Creek, S. end of bridge over -----  | 38 47 18.6  | 91 27 46.1  | 3,270   |
| Junction of rd. E. -----   | 38 47 42.9  | 91 28 07.4  | 2,981   |
| Big Spring, in NE 1/4 NW 1/4 sec. 33, T. 47 N., R. 5 W., 40 ft. W. of State Highway 19, 622 ft. S. of Americus-Big Spring rd., in concrete post; standard tablet stamped "T T 682 C W A 1935" -----  | 38 48 03.30 | 91 28 40.44 | 3,335   |
| Highway at fence W., 30 ft. S. of S. end of bridge over Mills Creek -----  | 38 48 22.9  | 91 28 39.4  | 1,987   |
| Junction of rd. W. -----   | 38 48 45.3  | 91 28 38.5  | 2,269   |
| Highway at fence W. -----  | 38 49 15.6  | 91 28 00.5  | 4,292   |
| Highway at fence E. -----  | 38 50 21.1  | 91 27 40.5  | 6,834   |
| T. 47 N., R. 5 W., center of NE 1/4 sec. 15, stone at fence corner -----   | 38 50 34.0  | 91 27 28.2  | 1,630   |
| New Florence, 4.5 mi. S. of, along State Highway 19, 30 ft. N. and 440 ft. W. from rd. at fence S. at approximate cor. secs. 10, 11, 14, and 15, T. 47 N., R. 5 W., 38 ft. W. of highway, 17 ft. N. of E.-W. rd., in concrete post; standard tablet stamped "T T 683 C W A 1935" ----- | 38 50 47.37 | 91 27 18.32 | 1,561   |
| Junction of rd. E. -----   | 38 51 12.6  | 91 26 56.0  | 3,100   |
| Highway at fences E. and W. -----  | 38 51 32.3  | 91 26 43.4  | 2,234   |
| Junction of rd. E. at fence W. -----   | 38 52 12.5  | 91 26 36.5  | 4,105   |
| Junction of rd. W. -----   | 38 52 32.4  | 91 26 36.2  | 2,010   |
| Highway at fence E. -----  | 38 52 58.7  | 91 26 35.3  | 2,660   |
| Highway at fences E. and W. -----  | 38 53 25.2  | 91 26 34.4  | 2,689   |
| T. 48 N., R. 5 W., E. sixteenth cor. between secs. 26 and 35, rd. at fences E. and W. -----  | 38 53 24.8  | 91 26 17.1  | 1,366   |
| New Florence, 1 mi. S. of, in NE 1/4 SW 1/4 sec. 26, T. 48 N., R. 5 W., 75 ft. S. and 51 ft. W. from junction of U.S. Highway 40 and State Highway 19, in yard of De Vault Station School, in concrete post; standard tablet stamped "684 C W A 1935" -----                            | 38 53 45.08 | 91 26 34.16 | 2,447   |
| Center of double track in line with highway S. -----   | 38 54 13.9  | 91 26 32.7  | 2,923   |
| New Florence, R.R. at E. face of sta. -----  | 38 54 33.8  | 91 26 50.0  | 2,430   |
| R.R. at fence W. -----   | 38 55 00.8  | 91 27 13.5  | 3,310   |
| R.R. at lane W. and fence E. -----   | 38 55 12.2  | 91 27 23.4  | 1,390   |
| Center of bridge over State Highway 19 -----   | 38 55 34.9  | 91 27 43.1  | 2,771   |
| New Florence, 3.1 mi. NW. of, along State Highway 19, cor. secs. 9, 10, 15, and 16, T. 48 N., R. 5 W., 3 ft. S. and 146 ft. E. from stone at fence corner, 41 ft. W. of highway, between highway and Wabash Ry., in concrete post; standard tablet stamped "T T 687 C W A 1935" -----  | 38 56 06.77 | 91 28 10.15 | 3,873   |

| Station  | Latitude |    |      | Longitude |    |      | Distance |
|--|----------|----|------|-----------|----|------|----------|
|  | °        | '  | "    | °         | '  | "    |          |
| R.R. at rd. E. -----   | 38       | 56 | 34.0 | 91        | 28 | 34.6 | 3,369    |
| R.R. at fences E. and W. -----   | 38       | 57 | 01.5 | 91        | 28 | 58.5 | 3,360    |
| R.R. at rd. crossing -----   | 38       | 57 | 22.7 | 91        | 29 | 17.0 | 2,599    |
| R.R. at fence E. -----   | 38       | 57 | 51.5 | 91        | 29 | 42.1 | 3,520    |
| Montgomery City, near SE. corner of, R.R. at<br>intersection of rds. E. and S. ----- | 38       | 58 | 00.9 | 91        | 29 | 50.3 | 1,150    |

(Continued in Mineola quadrangle; see line 7.)

3. FROM SEC. 26, T. 48 N., R. 5 W., SOUTHEAST ALONG U.S. HIGHWAY 40 INTO  
WARRENTON QUADRANGLE (by C. W. Williams in 1935)

|  |    |    |       |    |    |       |       |
|--|----|----|-------|----|----|-------|-------|
| "684 C W A 1935" (previously described) -----  | 38 | 53 | 45.08 | 91 | 26 | 34.16 | ..... |
| Highway at fence N. -----  | 38 | 53 | 36.3  | 91 | 25 | 59.6  |       |
| Highway at fence N. -----  | 38 | 53 | 29.3  | 91 | 25 | 35.1  | 2,060 |
| Highway at fence S. -----  | 38 | 53 | 21.8  | 91 | 25 | 08.9  | 2,210 |
| Crossroad -----  | 38 | 53 | 12.2  | 91 | 24 | 34.7  | 2,869 |
| T. 48 N., R. 4 W., center sec. 31, iron post at<br>fence corner -----  | 38 | 52 | 57.0  | 91 | 24 | 17.6  | 2,045 |
| Highway at fence N., 55 ft. S. and 140 ft. E.<br>from highway at fence W. -----  | 38 | 52 | 56.6  | 91 | 23 | 43.8  | 2,679 |
| High Hill, 0.6 mi. W. of, along U.S. Highway 40,<br>in SW 1/4 sec. 32, T. 48 N., R. 4 W., about<br>400 ft. S. of lake, 40 ft. S. of highway, 9 ft.<br>E. of rd. S., in concrete post; standard tablet<br>stamped "T T 689 E R A 1935" -----                                    | 38 | 52 | 50.08 | 91 | 23 | 27.08 | 1,477 |
| Highway at fence N. -----  | 38 | 52 | 30.7  | 91 | 22 | 20.2  | 5,440 |
| N.-S. crossroad -----  | 38 | 52 | 26.9  | 91 | 22 | 04.1  | 1,336 |
| Crossroad -----  | 38 | 52 | 16.8  | 91 | 21 | 29.9  | 2,889 |
| Center of Wabash Ry. bridge over highway -----   | 38 | 52 | 03.7  | 91 | 20 | 57.2  | 2,909 |
| Jonesburg, 2.2 mi. W. of, along U.S. Highway 40,<br>442 ft. S. and 30 ft. W. from quarter cor.<br>between secs. 2 and 3, T. 47 N., R. 4 W., 43<br>ft. S. of highway, in line with fences N. and<br>S., in concrete post; standard tablet stamped<br>"T T 690 E R A 1935" ----- | 38 | 51 | 54.87 | 91 | 20 | 23.85 | 2,783 |
| Crossroad -----  | 38 | 51 | 42.6  | 91 | 19 | 50.5  | 2,913 |
| Junction of rd. S. at fence N. -----   | 38 | 51 | 31.3  | 91 | 19 | 21.0  | 2,601 |
| Jonesburg, at W. edge of, crossroad -----  | 38 | 51 | 17.7  | 91 | 18 | 42.0  | 3,379 |
| Jonesburg, at E. edge of, highway at fence S. -----  | 38 | 51 | 05.9  | 91 | 18 | 01.4  | 3,431 |
| Junction of rd. N. -----   | 38 | 51 | 05.5  | 91 | 17 | 35.2  | 2,069 |
| T. 47 N., R. 3 W., quarter cor. between secs. 7<br>and 8, fence corner -----   | 38 | 51 | 01.6  | 91 | 16 | 59.2  | 2,885 |
| Jonesburg, 1.5 mi. E. of, along U.S. Highway 40,<br>in NE 1/4 SW 1/4 sec. 8, T. 47 N., R. 3 W.,<br>35 ft. S. and 23 ft. E. from junction of<br>private rd. S., 35 ft. E. of N.-S. fence, in<br>concrete post; standard tablet stamped "T T<br>691 E R A 1935" -----            | 38 | 50 | 50.95 | 91 | 16 | 41.71 | 1,750 |
| Junction of rd. S. on Montgomery-Warren county<br>line -----   | 38 | 50 | 44.9  | 91 | 15 | 53.2  | 3,890 |
| Junction of rd. N. -----   | 38 | 50 | 45.0  | 91 | 15 | 19.2  | 2,688 |

(Continued in Warrenton quadrangle; see line 2.)

4. FROM MINEOLA QUADRANGLE EAST ALONG U.S. HIGHWAY 40 TO SEC. 26, T. 48 N.,  
R. 5 W. (by C. W. Williams in 1935)

(Continued from Mineola quadrangle; see line 6.)

|  |    |    |       |    |    |       |         |
|--|----|----|-------|----|----|-------|---------|
| Junction of rd. S. -----   | 38 | 54 | 19.0  | 91 | 29 | 57.4  | (2,793) |
| Danville, 2.5 mi. E. of, along U.S. Highway 40,<br>near center of NW 1/4 sec. 28, T. 48 N.,<br>R. 5 W., 45 ft. S. of junction of rd. N., 7<br>ft. S. and 20 ft. W. from fence corner, in<br>concrete post; standard tablet stamped "T T<br>700 E R A 1935" ----- | 38 | 54 | 15.22 | 91 | 29 | 07.17 | 3,987   |
| T. 48 N., R. 5 W., quarter cor. between secs. 21<br>and 28, fence corner -----   | 38 | 54 | 22.5  | 91 | 28 | 49.6  | 1,577   |
| Highway at fences N. and S. -----  | 38 | 54 | 11.8  | 91 | 28 | 15.9  | 2,871   |
| Crossroad -----  | 38 | 54 | 06.9  | 91 | 27 | 41.8  | 2,743   |
| Junction of rd. N. -----   | 38 | 53 | 55.2  | 91 | 27 | 07.7  | 2,947   |
| "684 C W A 1935" (previously described) -----  | 38 | 53 | 45.08 | 91 | 26 | 34.16 | 2,832   |

5. FROM WARRENTON QUADRANGLE AT SEC. 34, T. 47 N., R. 3 W., SOUTH INTO  
HERMANN QUADRANGLE AT SEC. 16, T. 46 N., R. 3 W. (by C. D. Craig in 1935)

(Continued from Warrenton quadrangle; see line 5.)

|  |    |    |      |    |    |      |         |
|--|----|----|------|----|----|------|---------|
| Rd. corner from E.-S. -----  | 38 | 46 | 54.6 | 91 | 15 | 08.6 | (3,403) |
| Rd. at fences E. and W. -----  | 38 | 46 | 28.1 | 91 | 15 | 10.0 | 2,680   |
| T. 46 N., R. 3 W., E. sixteenth cor. between<br>secs. 4 and 9, rd. at fences E. and W. ----- | 38 | 46 | 02.3 | 91 | 15 | 09.9 | 2,608   |

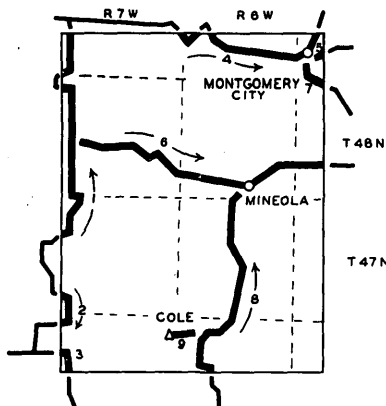
\* Reset 36 ft. S. from described location and position by highway engineer.

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Rd. at point 25 ft. E. of blazed 10-in. cedar tree -----   | 38 45 29.5  | 91 15 46.2  | 4,392    |
| Pendleton, 6.7 mi. S. of, near quarter cor. between secs. 9 and 16, T. 46 N., R. 3 W., 32 ft. W. of rd., in SE. corner of yard of Martin School, 20 ft. N. and 4 ft. W. from 6-in. cedar tree, in concrete post; standard tablet stamped "T T 1758 E R A 1935" ----- | 38 45 12.12 | 91 15 36.88 | 1,911    |

(Continued in Hermann quadrangle; see line 8.)

Magnetic declination 5° 35' E.

MINEOLA QUADRANGLE  
(Latitude 38°45'-39°00'; longitude 91°30'-91°45')  
Callaway and Montgomery Counties



1. FROM FULTON QUADRANGLE AT SEC. 7, T. 47 N., R. 7 W., NORTH INTO WELLSVILLE QUADRANGLE AT SEC. 19, T. 49 N., R. 7 W. (by S. H. Moyers in 1927)

(Continued from Fulton quadrangle; see line 5.)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Rd. fork E. -----   | 38 51 42.6  | 91 44 54.6  | (2,752)  |
| Rd. fork W. -----   | 38 52 11.2  | 91 44 48.9  | 2,931    |
| Crossroads -----  | 38 52 29.2  | 91 44 25.4  | 2,598    |
| T. 47 N., R. 7 W., in NE 1/4 sec. 6, 41 ft. N. and 21 ft. E. from T-rd. E., 20 ft. S. and 12 ft. E. from concrete culvert, in concrete post; standard tablet stamped "T T Sta No 11 M 1927" ----- | 38 52 41.66 | 91 44 12.64 | 1,615    |
| Rd. at fence W. -----   | 38 52 52.6  | 91 44 19.8  | 1,247    |
| T-rd. W. -----  | 38 53 47.3  | 91 44 38.4  | 5,720    |
| T. 48 N., R. 7 W., quarter cor. between secs. 19 and 30, rd. at fence E. -----  | 38 54 41.3  | 91 44 36.5  | 5,470    |
| T. 48 N., R. 7 W., center sec. 19, 32 ft. N. of U.S. Highway 40 at rd. S. to Yucatan, in concrete post; standard tablet stamped "T T Sta No 12 M 1927" -----                                      | 38 55 07.31 | 91 44 35.55 | 2,633    |
| Rd. at fence E. on line between secs. 18 and 19, T. 48 N., R. 7 W. -----  | 38 55 31.3  | 91 44 38.6  | 2,443    |
| T-rd. S. -----  | 38 55 46.7  | 91 44 37.9  | 1,560    |
| T. 48 N., R. 7 W., quarter cor. between secs. 7 and 18, T-rd. N. -----  | 38 56 27.3  | 91 44 36.3  | 4,108    |
| T. 48 N., R. 7 W., center sec. 7, jog in rd. at fence E. -----  | 38 56 53.7  | 91 44 30.0  | 2,722    |
| T. 48 N., R. 7 W., quarter cor. between secs. 6 and 7, rd. at fence W. -----  | 38 57 21.6  | 91 44 28.7  | 2,820    |

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

\*It was reported by W. F. Boone in June, 1937, that this monument was moved 48 ft. S. and 1655 ft. W. from given position. Description is for old location.

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | " ' "       | " ' "       | Feet     |
| Tps. 48 and 49 N., Rs. 7 and 8 W., 560 ft. N. of cor. of, 12 ft. N. and 26 ft. E. from rd. fork SW., in concrete post; standard tablet stamped "T T Sta No 13 M 1927" (Fulton quadrangle) | 38 58 19.81 | 91 45 00.04 | (1,442)  |
| N. end of wooden bridge -----   | 38 58 49.4  | 91 44 58.6  | 3,002    |
| T. 49 N., R. 7 W., W. cor. secs. 30 and 31, rd. at fence E. -----   | 38 59 04.0  | 91 44 57.8  | 1,480    |
| T. 49 N., Rs. 7 and 8 W., approximate quarter cor. between secs. 25 and 30, crossroads -----  | 38 59 34.6  | 91 44 56.2  | 3,090    |

(Continued in Wellsville quadrangle; see line 2.)

2. FROM FULTON QUADRANGLE AT SEC. 30, T. 47 N., R. 7 W., SOUTH AND WEST INTO FULTON QUADRANGLE AT SEC. 6, T. 46 N., R. 7 W. (by S. H. Moyers in 1927)  
(Continued from Fulton quadrangle; see line 6.)

|  |             |             |         |
|--|-------------|-------------|---------|
| T. 47 N., R. 7 W., quarter cor. between secs. 30 and 31, T-rd. E. -----  | 38 48 31.2  | 91 44 48.6  | (4,075) |
| T. 47 N., R. 7 W., center sec. 31, 16 ft. S. and 17 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 14 M 1927" ----- | 38 48 03.44 | 91 44 52.38 | 2,824   |
| Tps. 46 and 47 N., R. 7 W., approximate quarter cor. between secs. 6 and 31, T-rd. W. -----  | 38 47 37.3  | 91 44 55.5  | 2,659   |

(Continued in Fulton quadrangle; see line 6.)

3. FROM MORRISON QUADRANGLE AT SEC. 18, T. 46 N., R. 7 W., WEST INTO FULTON QUADRANGLE AT SEC. 18, T. 46 N., R. 7 W. (by J. L. Sanders in 1927)  
(Continued from Morrison quadrangle; see line 1.)

|                                    |            |            |         |
|------------------------------------|------------|------------|---------|
| Junction of rd. through gate ----- | 38 45 30.9 | 91 44 42.3 | (4,208) |
|------------------------------------|------------|------------|---------|

(Continued in Fulton quadrangle; see line 3.)

4. FROM WELLSVILLE QUADRANGLE AT SEC. 23, T. 49 N., R. 7 W., EAST TO MONTGOMERY CITY, THENCE NORTH INTO WELLSVILLE QUADRANGLE AT SEC. 19, T. 49 N., R. 5 W. (by C. R. Fisher in 1926)  
(Continued from Wellsville quadrangle; see line 5.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Center of bridge over creek -----   | 38 59 55.7  | 91 39 19.8  | (3,948) |
| Shamrock, 3 mi. E. of, E. cor. secs. 24 and 25, T. 49 N., R. 7 W., 25 ft. N. and 41 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 2 F 1928" ----- | 38 59 57.53 | 91 38 10.48 | 5,473   |

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

|  |             |             |         |
|--|-------------|-------------|---------|
| Loutre River, center of bridge over -----  | 38 59 43.4  | 91 36 35.5  | (2,771) |
| Rd. fork W. -----  | 38 59 27.7  | 91 35 49.5  | 3,966   |
| Rd. fork N. -----  | 38 59 22.8  | 91 35 33.4  | 1,361   |
| Montgomery City, 4.5 mi. W. of, in S 1/2 sec. 28, T. 49 N., R. 6 W., 30 ft. S. and 20 ft. W. from rd. fork S., in concrete post; standard tablet stamped "T T Sta No 3 F 1928" -----                                     | 38 59 13.94 | 91 35 20.74 | 1,343   |
| T-rd. S. on line between secs. 27 and 28, T. 49 N., R. 6 W. -----  | 38 59 13.5  | 91 34 46.1  | 2,735   |
| T-rd. S. on line between secs. 26 and 27, T. 49 N., R. 6 W. -----  | 38 59 12.4  | 91 33 37.1  | 5,451   |
| T-rd. N. -----   | 38 59 11.6  | 91 33 22.1  | 1,189   |
| Montgomery City, 1.5 mi. W. of, about 0.2 mi. N. of cor. secs. 25, 26, 35, and 36, T. 49 N., R. 6 W., 60 ft. N. and 33 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 4 F 1928 806" ----- | 38 59 09.64 | 91 32 27.89 | 4,284   |
| T-rd. E. on line between secs. 25 and 30, T. 49 N., Rs. 5 and 6 W. -----   | 38 59 09.2  | 91 31 21.2  | 5,263   |
| Wabash Ry. at rd. crossing -----   | 38 59 16.7  | 91 30 56.4  | 2,105   |
| T-rd. E. -----   | 38 59 35.0  | 91 30 55.9  | 1,850   |
| Montgomery City, about 1 mi. N. of, about 0.2 mi. S. of cor. secs. 19, 20, 29, and 30, T. 49 N., R. 5 W., 30 ft. S. and 40 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 5 F 1928" -----   | 38 59 33.93 | 91 30 22.75 | 2,607   |
| T. 49 N., R. 5 W., cor. secs. 19, 20, 29, and 30, rd. at fence -----   | 38 59 47.4  | 91 30 21.8  | 1,360   |

(Continued in Wellsville quadrangle; see line 5.)

\* It was reported by C. P. Thompson, June 5, 1935, that this monument was reset 50 ft. N. and 3 ft. W. from given position. Description is for new location.  
\*\* It was reported by C. P. Thompson, June 5, 1935, that this monument was reset 29 ft. N. and 16 ft. W. from given position. Description is for new location.

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | " ' "       | " ' "       | Feet     |
| 5. FROM MONTGOMERY CITY EAST INTO NEW FLORENCE QUADRANGLE AT SEC. 29,<br>T. 49 N., R. 5 W. (by C. R. Fisher in 1928) |             |             |          |
| T T Sta No 5 F 1928 (previously described) -----   | 38 59 33.93 | 91 30 22.75 | .....    |
| T. 49 N., R. 5 W., quarter cor. between secs. 29<br>and 30, T-rd. E. -----   | 38 59 21.0  | 91 30 22.8  | 1,308    |

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

|   |             |             |       |
|---|-------------|-------------|-------|
| 6. FROM SEC. 19, T. 48 N., R. 7 W., EAST ALONG U.S. HIGHWAY 40 INTO<br>NEW FLORENCE QUADRANGLE (by C. W. Williams in 1935)  |             |             |       |
| T T Sta No 12 M 1927 (previously described) -----   | 38 55 07.31 | 91 44 35.55 | ..... |
| Williamsburg triangulation sta.; U.S.C. & G.S.<br>standard disk stamped "Williamsburg 1934" -----   | 38 55 07.72 | 91 44 17.77 | 1,406 |
| Highway at fences N. and S. -----   | 38 55 06.5  | 91 43 26.8  | 4,028 |
| Junction of rd. S. -----  | 38 55 06.4  | 91 42 52.2  | 2,740 |
| Junction of rd. S. -----  | 38 55 04.8  | 91 42 17.9  | 2,717 |
| Highway at fences N. and S. -----   | 38 55 01.9  | 91 41 43.9  | 2,700 |
| Williamsburg, 1 mi. E. of, along U.S. Highway 40,<br>near center sec. 22, T. 48 N., R. 7 W., 109 ft.<br>N. of highway, 17 ft. E. of N.-S. fence, 2 ft.<br>S. of E.-W. fence, in concrete post; standard<br>tablet stamped "T T 696 E R A 1935" -----        | 38 55 00.03 | 91 41 09.41 | 2,733 |
| Junction of rd. N. -----  | 38 54 49.9  | 91 40 19.7  | 4,062 |
| Junction of rd. N. -----  | 38 54 40.4  | 91 39 47.0  | 2,760 |
| T. 48 N., R. 7 W., cor. secs. 23, 24, 25, and 26,<br>fence corner -----   | 38 54 37.6  | 91 39 30.4  | 1,335 |
| Crossroad -----   | 38 54 28.7  | 91 39 13.7  | 1,599 |
| T. 48 N., R. 7 W., E. sixteenth cor. sec. 25,<br>lane at fence W. -----   | 38 54 10.3  | 91 38 40.6  | 3,216 |
| Highway at fences N. and S. on Callaway-<br>Montgomery county line -----  | 38 54 02.6  | 91 38 23.9  | 1,533 |
| Williamsburg, 3.5 mi. E. of, along U.S. Highway<br>40, in SE 1/4 SW 1/4 sec. 30, T. 48 N.,<br>R. 6 W., about 700 ft. SE. of old barn, 78 ft.<br>N. and 20 ft. W. from crossroad, in concrete<br>post; standard tablet stamped "T T 697 E R A<br>1935" ----- | 38 53 51.43 | 91 38 00.34 | 2,180 |
| Highway at fence S. -----   | 38 53 28.8  | 91 37 29.6  | 3,336 |
| Highway at fence S. -----   | 38 53 34.7  | 91 36 54.2  | 2,858 |
| T. 48 N., R. 6 W., cor. secs. 28, 29, 32, and 33,<br>stone in N.-S. fence -----   | 38 53 39.8  | 91 36 04.7  | 3,946 |
| Highway at fence N. -----   | 38 53 30.1  | 91 35 29.7  | 2,938 |
| W. end of bridge -----  | 38 53 24.1  | 91 34 58.9  | 2,514 |
| Mineola, near center sec. 34, T. 48 N., R. 6 W.,<br>303 ft. E. of E. end of U.S. Highway 40 bridge<br>over Loutre River, 25 ft. N. of highway, in<br>concrete post; standard tablet stamped "T T<br>698 E R A 1935" -----                                   | 38 53 17.36 | 91 34 24.19 | 2,827 |
| Junction of rd. N. at fence S. -----  | 38 54 14.6  | 91 33 13.2  | 8,070 |
| Highway at fences N. and S. -----   | 38 54 25.0  | 91 32 38.6  | 2,929 |
| Iron pipe at fence corner, 660 ft. N. of cor.<br>secs. 23, 24, 25, and 26, T. 48 N., R. 6 W. ---  | 38 54 35.0  | 91 32 38.0  | 1,009 |
| Danville, near quarter cor. between secs. 24 and<br>25, T. 48 N., R. 6 W., 35 ft. S. and 68 ft. E.<br>from U.S. Highway 40 at N.-S. crossroad, in<br>concrete post; standard tablet stamped "T T<br>699 E R A 1935" -----                                   | 38 54 30.97 | 91 32 03.98 | 2,717 |
| T. 48 N., R. 6 W., E. cor. secs. 24 and 25,<br>stone in N.-S. fence, 150 ft. N. of stone in<br>N.-S. fence at W. cor. secs. 19 and 30, -----  | 38 54 29.2  | 91 31 30.9  | 2,623 |
| T. 48 N., R. 5 W., quarter cor. between secs. 19<br>and 30, stone -----   | 38 54 27.0  | 91 31 05.0  | 2,058 |
| T. 48 N., R. 5 W., cor. secs. 19, 20, 29, and 30,<br>fence corner -----   | 38 54 26.0  | 91 30 31.5  | 2,648 |

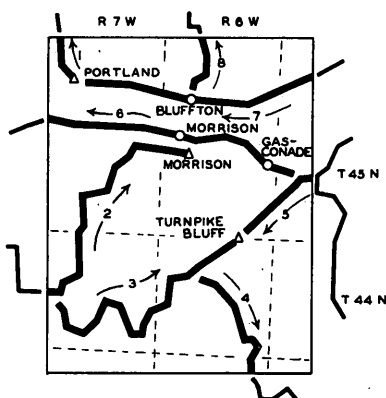
(Continued in New Florence quadrangle; see line 4.)

|   |             |             |         |
|---|-------------|-------------|---------|
| 7. FROM NEW FLORENCE QUADRANGLE NORTHWEST ALONG WABASH RAILWAY TO MONTGOMERY<br>CITY, THENCE NORTH ALONG ROADS ABOUT 1 MILE (by C. W. Williams in 1935)<br>(Continued from New Florence quadrangle; see line 2.)              |             |             |         |
| Montgomery City, near intersection of Alton<br>and Ford Streets, 80 ft. N. and 44 ft. E.<br>from main track of Wabash Ry. at Ford Street<br>crossing, in concrete post; standard tablet<br>stamped "T T 688 C W A 1935" ----- | 38 58 17.75 | 91 30 03.68 | (2,007) |
| Montgomery City, main track at S. face of sta. --   | 38 58 31.9  | 91 30 17.4  | 1,796   |
| T-rd. W. at fence E. -----  | 38 59 07.6  | 91 30 23.2  | 3,645   |
| T. 49 N., R. 5 W., quarter cor. between secs. 29<br>and 30, T-rd. E. at fence W. -----  | 38 59 21.0  | 91 30 22.7  | 1,349   |
| T T Sta No 5 F 1928 (previously described) -----  | 38 59 33.93 | 91 30 22.75 | 1,312   |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| 8. FROM MORRISON QUADRANGLE AT SEC. 17, T. 46 N., R. 6 W., NORTH TO MINEOLA<br>(by C. D. Craig in 1935)<br>(Continued from Morrison quadrangle; see line 8.)  |             |             |          |
| T-rd. W. -----  | 38 45 05.9  | 91 37 11.8  | (2,551)  |
| Rd. at fence N. -----   | 38 45 07.0  | 91 37 27.5  | 1,248    |
| T. 46 N., R. 6 W., cor. secs. 7, 8, 17, and 18,<br>rd. corner from W.-N. -----  | 38 45 33.8  | 91 37 26.7  | 2,707    |
| T-rd. E. at fence W. -----  | 38 46 00.3  | 91 37 25.4  | 2,690    |
| Bluffton, 6 mi. N. of, cor. secs. 5, 6, 7, and 8,<br>T. 46 N., R. 6 W., 25 ft. S. and 300 ft. W.<br>from pile of rocks, 17 ft. S. and 50 ft. E.<br>from center of triangle at junction of rd. W.,<br>5 ft. N. and 9 ft. E. from triangular-blazed<br>18-in. white-oak tree, in concrete post;<br>standard tablet stamped "T 1724 E R A 1935<br>873" ----- | 38 46 26.49 | 91 37 28.29 | 2,657    |
| Rd. at fence N. -----   | 38 46 32.0  | 91 37 00.8  | 2,522    |
| Rd. at fences N. and S. -----   | 38 46 38.4  | 91 36 33.8  | 2,141    |
| T-rd. N. -----  | 38 46 52.2  | 91 36 07.1  | 2,532    |
| Junction of abandoned rd. E., 10 ft. N. and 12<br>ft. W. from fence corner -----  | 38 47 16.4  | 91 36 00.2  | 2,514    |
| Rd. fork E., 110 ft. E. of center sec. 33,<br>T. 47 N., R. 6 W. -----   | 38 47 49.8  | 91 35 47.6  | 3,523    |
| T. 47 N., R. 6 W., near center of E 1/2 sec. 33,<br>23 ft. N. and 2 ft. W. from rd. at fence N.,<br>4 ft. S. and 2 ft. W. from fence corner, in<br>concrete post; standard tablet stamped "T<br>1725 E R A 1935" -----  | 38 47 54.49 | 91 35 29.99 | 1,473    |
| T. 47 N., R. 6 W., cor. secs. 27, 28, 33, and 34,<br>rd. at fence W. -----  | 38 48 15.4  | 91 35 12.3  | 2,539    |
| T-rd. W. -----  | 38 48 47.9  | 91 35 17.3  | 3,306    |
| Rd. at point 18 ft. E. of triangular-blazed<br>black-oak tree -----   | 38 49 27.3  | 91 35 01.7  | 4,176    |
| Mineola, 4.8 mi. S. of, in NE 1/4 SE 1/4 sec. 16,<br>T. 47 N., R. 6 W., about 400 ft. S. of bridge<br>over Prairie Creek, 56 ft. S. and 6 ft. E.<br>from rd. forks, in concrete post; standard<br>tablet stamped "T T 1726 E R A 1935 549" -----  | 38 50 14.68 | 91 35 22.43 | 5,066    |
| Rd. at fences E. and W., 20 ft. E. of center of<br>NE 1/4 sec. 16, T. 47 N., R. 6 W. -----  | 38 50 41.0  | 91 35 25.9  | 2,675    |
| Rd. at fence NE. -----  | 38 51 03.9  | 91 35 23.3  | 2,325    |
| Mineola, 2.8 mi. SW. of, in NE 1/4 sec. 9,<br>T. 47 N., R. 6 W., 36 ft. (? 27 ft.) E. of<br>rd., 37 ft. N. and 30 ft. W. from NW. corner<br>of dwelling of George Jones, 10 ft. N. of<br>27-in. walnut tree at SW. corner of garden,<br>in concrete post; standard tablet stamped "T<br>1727 E R A 1935 555" -----  | 38 51 41.14 | 91 35 33.52 | 3,859    |
| Rd. at fence E. -----   | 38 52 11.7  | 91 35 34.6  | 3,095    |
| Rd. at fences N. and S. -----   | 38 52 55.4  | 91 35 10.2  | 4,819    |
| T T 698 E R A 1935 (previously described) -----   | 38 53 17.36 | 91 34 24.19 | 4,263    |
| 9. FROM SEC. 6, T. 46 N., R. 6 W., SOUTHWEST ABOUT 1 MILE (by H. W. Gross<br>in 1936)   |             |             |          |
| T T 1724 E R A 1935 873 (previously described) -  | 38 46 26.49 | 91 37 28.29 | .....    |
| T-rd. E. -----  | 38 46 28.5  | 91 38 41.3  | 5,786    |
| Cole triangulation sta.; U.S.C. & G.S. standard<br>disk stamped "Cole 1934" -----   | 38 46 16.94 | 91 38 40.35 | 1,165    |

Magnetic declination 5° 12' E.

MORRISON QUADRANGLE  
(Latitude 38°30'-38°45'; longitude 91°30'-91°45')  
Callaway, Gasconade, Montgomery, and Osage Counties



1. FROM SEC. 32, T. 46 N., R. 7 W., NORTH INTO MINEOLA QUADRANGLE AT SEC. 18, T. 46 N., R. 7 W. (by J. L. Sanders in 1927)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Portland triangulation sta.; M.R.C. iron post ---   | 38 42 35.39 | 91 44 17.30 | .....    |
| Portland, intersection of streets, 200 ft. N. of post office -----  | 38 42 39.4  | 91 43 01.8  | 5,997    |
| T. 46 N., R. 7 W., cor. secs. 28, 29, 32, and 33- Crossroads -----  | 38 43 10.7  | 91 43 23.0  | 3,593    |
| Rd. forks -----   | 38 43 29.7  | 91 44 02.6  | 3,673    |
| Portland, 3 mi. NW. of, 3 mi. SE. of Reform, in NE 1/4 sec. 19, T. 46 N., R. 7 W., 100 ft. N. of ford across Logan Creek, 12 ft. W. of rd. forks, in concrete post; standard tablet stamped "P T Sta No 138 S 1927" ----- | 38 43 47.3  | 91 44 16.6  | 2,107    |
|   | 38 44 49.44 | 91 44 46.35 | 6,710    |

(Continued in Mineola quadrangle; see line 3.)

2. FROM MOKANE QUADRANGLE AT SEC. 19, T. 44 N., R. 7 W., NORTHEAST TO SEC. 7, T. 45 N., R. 6 W. (by W. R. Broadus in 1932)  
(Continued from Mokane quadrangle; see line 5.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Rd. forks near Mint Hill post office -----   | 38 32 58.2  | 91 44 52.0  | (1,945) |
| T. 44 N., R. 7 W., cor. secs. 17, 18, 19, and 20, stone in E.-W. fence -----   | 38 33 36.6  | 91 44 13.8  | 4,928   |
| Rd. fork E. -----  | 38 33 38.8  | 91 44 13.7  | 222     |
| Aud, 1.8 mi. SW. of, in SW 1/4 SW 1/4 sec. 17, T. 44 N., R. 7 W., near top of ridge, 22 ft. SE. of rd., 33 ft. N. and 22 ft. W. from N. corner of dwelling of H. F. Johns, in concrete post; standard tablet stamped "T T 190 B 1932" -----  | 38 33 50.92 | 91 44 11.84 | 1,234   |
| Rd. forks -----  | 38 34 04.4  | 91 43 53.2  | 2,014   |
| Rd. at NW. corner of front yard of Pat Lamb -----  | 38 34 14.6  | 91 43 24.7  | 2,531   |
| Aud, rd. forks, about 150 ft. SE. of post office- Rd. forks -----  | 38 34 48.4  | 91 43 12.3  | 3,544   |
| Rd. fork W. -----  | 38 35 18.5  | 91 43 12.7  | 1,042   |
| Aud, 1.6 mi. N. of, in NE 1/4 sec. 5, T. 44 N., R. 7 W., 0.2 mi. from Baileys Creek, 200 ft. N. of ford across small creek, 33 ft. W. of rd., 12 ft. N. of 40-in. elm tree, in concrete post; standard tablet stamped "T T 191 B 1932" ----- | 38 35 26.9  | 91 43 19.6  | 1,011   |
| Rd. forks -----  | 38 36 04.29 | 91 43 05.26 | 3,946   |
| Rd. fork E. -----  | 38 36 31.9  | 91 42 50.7  | 3,024   |
| T. 45 N., R. 7 W., cor. secs. 28, 29, 32, and 33, stone about 2 ft. S. of 28-in. lone white-oak tree -----   | 38 36 58.2  | 91 42 59.4  | 2,752   |
| Rd. fork W. -----  | 38 37 10.1  | 91 43 00.1  | 1,204   |
| Rd. forks -----  | 38 37 30.2  | 91 43 39.5  | 3,728   |
| Rd. forks -----  | 38 38 05.1  | 91 43 19.8  | 3,860   |
| T-rd. S. -----   | 38 38 04.2  | 91 42 57.2  | 1,789   |
| Dodd School, 0.5 mi. W. of, quarter cor. between secs. 21 and 28, T. 45 N., R. 7 W., 45 ft. S. and 28 ft. E. from T-rd. S., in concrete post; standard tablet stamped "T T 192 B 1932" -----   | 38 38 01.99 | 91 42 22.51 | 2,764   |
| T. 45 N., R. 7 W., cor. secs. 21, 22, 27, and 28, T-rd. S. -----   | 38 38 01.2  | 91 41 49.8  | 2,597   |



| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Rd. forks -----  | 38 39 07.9  | 91 41 22.4  | 7,091    |
| T. 45 N., R. 7 W., in NW 1/4 SE 1/4 sec. 15, on top of ridge, 25 ft. N. and 25 ft. W. from store building at rd. forks, 15 ft. N. of rd., in ledge; standard tablet stamped "T T 193 B 1932" ----- | 38 39 10.15 | 91 41 03.96 | 1,477    |
| Rd. forks -----  | 38 39 19.0  | 91 40 59.5  | 961      |
| Rd. at line between secs. 11 and 14, T. 45 N., R. 7 W. -----   | 38 39 46.0  | 91 40 31.0  | 3,542    |
| Rd. at fence -----   | 38 40 08.0  | 91 40 05.0  | 3,038    |
| Morrison, about 1.1 mi. SW. of, center sec. 12, T. 45 N., R. 7 W., 40 ft. N. and 30 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T 194 B 1932" -----                         | 38 40 21.02 | 91 38 59.14 | 5,387    |
| Rd. forks in line with rds. S. and E. -----  | 38 40 35.6  | 91 38 36.7  | 2,193    |
| T-rd. N. on Gasconade-Osage county line -----  | 38 40 33.2  | 91 38 24.8  | 1,129    |
| Morrison, intersection of main streets -----   | 38 40 30.7  | 91 38 07.4  | 1,401    |
| Morrison triangulation sta.; M.R.C. iron post ---  | 38 39 40.25 | 91 37 35.80 | 5,665    |

3. FROM SEC. 19, T. 44 N., R. 7 W., EAST AND NORTHEAST TO SEC. 3, T. 44 N., R. 6 W. (by W. R. Broadus in 1932)

|  |             |             |       |
|--|-------------|-------------|-------|
| Rd. forks (previously described) -----   | 38 32 58.2  | 91 44 52.0  | ..... |
| T. 44 N., R. 7 W., N. sixteenth cor. between secs. 29 and 30 -----   | 38 32 29.4  | 91 44 15.2  | 4,129 |
| Rd. forks -----  | 38 32 29.3  | 91 44 12.3  | 227   |
| T. 44 N., R. 7 W., in SW 1/4 sec. 29, 90 ft. N. and 45 ft. E. from rd. forks, 73 ft. S. 30° W. of dwelling of C. E. Herndon, 6 ft. S. 17° E. of telephone pole, in concrete post; standard tablet stamped "T T 195 B 1932" -----                           | 38 31 57.59 | 91 43 27.46 | 4,796 |
| T. 44 N., R. 7 W., S. sixteenth cor. between secs. 28 and 29, stone -----  | 38 32 00.1  | 91 43 06.2  | 1,711 |
| Rd. forks -----  | 38 32 02.0  | 91 42 36.5  | 2,361 |
| Rd. fork NW. -----   | 38 32 31.1  | 91 42 12.4  | 3,521 |
| Junction of lane E. -----  | 38 32 37.9  | 91 42 02.3  | 1,055 |
| Junction of lane E. -----  | 38 32 45.2  | 91 41 58.0  | 814   |
| T. 44 N., R. 7 W., near quarter cor. between secs. 21 and 22, 550 ft. N. of church, 45 ft. S. and 25 ft. W. from rd. forks, in concrete post; standard tablet stamped "T T 196 B 1932" -----   | 38 33 05.23 | 91 41 58.27 | 2,023 |
| Rd. forks -----  | 38 33 11.2  | 91 41 11.6  | 3,760 |
| Rd. at fence W. -----  | 38 32 34.8  | 91 40 38.9  | 4,504 |
| Rd. at fence E. -----  | 38 32 19.9  | 91 40 37.8  | 1,507 |
| Junction of private lane NE. -----   | 38 32 10.8  | 91 40 28.3  | 1,191 |
| Hope, 94 ft. N. and 24 ft. E. from quarter cor. between secs. 26 and 35, T. 44 N., R. 7 W., 40 ft. N. and 45 ft. W. from NW. corner of post office, 25 ft. S. of rd., 25 ft. E. of creek, in concrete post; standard tablet stamped "T T 197 B 1932" ----- | 38 31 42.19 | 91 40 14.89 | 3,087 |
| T. 44 N., R. 7 W., quarter cor. between secs. 26 and 35, iron pulley in bank of Shaften Creek about 120 ft. S. of rd. -----  | 38 31 41.2  | 91 40 15.2  | 96    |
| Rd. forks -----  | 38 32 04.0  | 91 39 49.5  | 3,077 |
| T. 44 N., R. 7 W., cor. secs. 23, 24, 25, and 26, di1m crossroad -----   | 38 32 33.6  | 91 39 40.4  | 3,084 |
| Rd. forks -----  | 38 32 33.9  | 91 39 30.5  | 788   |
| Crossroads -----   | 38 32 46.4  | 91 39 25.7  | 1,312 |
| Rd. at fence on W. side of lane N. on Gasconade-Osage county line -----  | 38 32 46.0  | 91 38 31.9  | 4,278 |
| Hope, 2.8 mi. E. of, in SW 1/4 sec. 19, T. 44 N., R. 6 W., 18 ft. N. and 15 ft. E. from rd. corner W.-N., 13 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 198 B 1932" -----  | 38 32 46.24 | 91 38 13.04 | 1,498 |
| T. 44 N., R. 6 W., S. sixteenth cor. sec. 19, stone -----  | 38 32 45.9  | 91 38 13.4  | 43    |
| Rd. fork SE. -----   | 38 33 32.9  | 91 38 09.3  | 4,768 |
| Point in line with center of long tangent in rd. N. at fence E. -----  | 38 33 38.4  | 91 37 55.8  | 1,208 |
| Rd. forks -----  | 38 34 06.3  | 91 37 21.9  | 3,897 |
| T. 44 N., R. 6 W., quarter cor. between secs. 8 and 17, stone, 565 ft. N. of rd. -----   | 38 34 19.1  | 91 37 04.7  | 1,880 |
| Pershing, 0.2 mi. SE. of, in SE 1/4 SE 1/4 sec. 8, T. 44 N., R. 6 W., in NW. corner of yard of Zion Church, 30 ft. S. of rd., 5 ft. S. of sidewalk, in concrete post; standard tablet stamped "T T 199 B 1932" -----                                       | 38 34 26.45 | 91 36 35.01 | 2,475 |
| T. 44 N., R. 6 W., cor. secs. 4, 5, 8, and 9, T-rd. S. -----   | 38 35 12.2  | 91 36 31.6  | 4,631 |
| Crossroads -----   | 38 35 12.2  | 91 36 14.6  | 1,350 |
| M.R.C. iron post (not designated) -----  | 38 35 10.29 | 91 35 08.89 | 5,224 |
| Turnpike Bluff triangulation sta.; U.S.C. & G.S. standard disk stamped "Turnpike Bluff" -----  | 38 35 29.09 | 91 34 42.06 | 2,856 |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 4. FROM SEC. 8, T. 44 N., R. 6 W., SOUTHEAST INTO BLAND QUADRANGLE AT SEC. 2, T. 43 N., R. 6 W. (by W. R. Broadus in 1932)   |             |             |          |
| T T 199 B 1932 (previously described) -----  | 38 34 26.45 | 91 36 35.01 | .....    |
| Rd. fork N. -----  | 38 34 04.9  | 91 35 41.0  | 4,811    |
| Rd. fork N. -----  | 38 33 48.1  | 91 35 24.3  | 2,157    |
| T. 44 N., R. 6 W., approximate cor. secs. 15, 16, 21, and 22, rd. corner from N.-E. at fence S. -  | 38 33 26.8  | 91 35 24.1  | 2,155    |
| T-rd. S. -----   | 38 33 26.8  | 91 35 07.1  | 1,350    |
| Rd. corner from E.-S. at fence E. -----  | 38 33 26.8  | 91 34 54.5  | 1,000    |
| T-rd. E. -----   | 38 33 13.6  | 91 34 54.6  | 1,335    |
| Brown Shanty Ferry, at W. landing of, in SE 1/4 sec. 22, T. 44 N., R. 6 W., 55 ft. W. of water edge of Gasconade River, 15 ft. N. of rd., 5 ft. SW. of triangular-blazed maple tree, in concrete post; standard tablet stamped "T T 200 B 1932"* | 38 33 15.44 | 91 34 22.97 | 2,521    |
| Rd. at triangular-blazed tree near E.-W. fence line -----  | 38 32 42.5  | 91 34 09.8  | 3,495    |
| Rd. on top of ridge at triangular-blazed oak tree -----  | 38 32 30.6  | 91 33 40.3  | 2,629    |
| Rd. forks -----  | 38 32 23.2  | 91 33 31.5  | 1,020    |
| Punchoon Creek, center of paved ford across -----  | 38 31 48.3  | 91 33 35.8  | 3,551    |
| Rd. at N.-S. fence -----   | 38 31 39.1  | 91 33 14.7  | 1,913    |
| Bay, about 1.5 mi. NE. of, in SE 1/4 NW 1/4 sec. 36, T. 44 N., R. 6 W., 58 ft. N. and 6 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 201 B 1932" -----   | 38 31 18.95 | 91 32 44.05 | 3,176    |
| Rd. forks -----  | 38 30 47.5  | 91 32 54.1  | 3,283    |
| Center of paved ford across creek -----  | 38 30 40.8  | 91 33 17.9  | 2,003    |
| Bay, rd. in front of State Bank -----  | 38 30 27.5  | 91 33 28.6  | 1,599    |

(Continued in Bland quadrangle; see line 2.)

5. FROM HERMANN QUADRANGLE AT SEC. 20, T. 45 N., R. 5 W., SOUTHWEST TO SEC. 3, T. 44 N., R. 6 W. (by C. W. Williams in 1934)  
(Continued from Hermann quadrangle; see line 1.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Gasconade, 3 mi. SE. of, along County Route M, in SE 1/4 NW 1/4 sec. 20, T. 45 N., R. 5 W., 67 ft. N. and 54 ft. W. from junction of rd. SW. to Fredericksburg, in concrete post; standard tablet stamped "663 C W A 1934" -----                        | 38 38 21.94 | 91 30 37.60 | (5,852) |
| Rd. forks W. and SW. -----  | 38 38 12.4  | 91 31 06.3  | 2,477   |
| Rd. at fences N. and S. -----   | 38 37 54.6  | 91 31 38.1  | 3,096   |
| Rd. at fence E. -----   | 38 37 34.6  | 91 32 02.3  | 2,790   |
| T. 45 N., R. 6 W., S. sixteenth cor. sec. 25, stone and iron pin -----  | 38 37 08.6  | 91 32 40.6  | 4,024   |
| T. 45 N., R. 6 W., in NE 1/4 sec. 35, 9.5 mi. SW. of Hermann, 90 ft. S. and 70 ft. W. from Fredericksburg-Hermann rd., at junction of rd. S. to Turnpike Bluff, in angle between rds., in concrete post; standard tablet stamped "664 C W A 1934" ----- | 38 36 38.27 | 91 33 21.74 | 4,482   |
| Rd. forks E. and SW. -----  | 38 36 11.7  | 91 33 42.4  | 3,150   |
| Rd. forks S. and SW. -----  | 38 35 52.2  | 91 34 04.6  | 2,644   |
| Turnpike Bluff triangulation sta. (previously described) -----  | 38 35 29.09 | 91 34 42.06 | 3,788   |

6. FROM SEC. 20, T. 45 N., R. 5 W., NORTHWEST ALONG COUNTY ROUTE M TO MORRISON, THENCE WEST ALONG MISSOURI PACIFIC RAILROAD INTO MOKANE QUADRANGLE (by C. W. Williams in 1934)

|  |             |             |       |
|--|-------------|-------------|-------|
| 663 C W A 1934 (previously described) -----  | 38 38 21.94 | 91 30 37.60 | ..... |
| T. 45 N., R. 5 W., quarter cor. between secs. 18 and 19, stone near dead 20-in. burr-oak tree -----  | 38 38 40.8  | 91 31 39.3  | 5,260 |
| T. 45 N., R. 5 W., W. cor. secs. 18 and 19, small pile of rocks, 190 ft. S. of fence corner at E. cor. secs. 13 and 24, T. 45 N., R. 6 W. -----  | 38 38 40.8  | 91 32 08.5  | 2,309 |
| Junction of rd. N. -----   | 38 39 26.1  | 91 32 48.2  | 5,565 |
| Gasconade River, E. end of bridge over -----   | 38 39 56.1  | 91 33 16.4  | 3,778 |
| Gasconade, 50 ft. S. and 147 ft. W. from Missouri Pacific R.R. sta., 32 ft. N. and 32 ft. E. from intersection of Main Street and street crossing track, 2 ft. S. of concrete sidewalk, in concrete post; standard tablet stamped "665 C W A 1934" ----- | 38 40 10.15 | 91 33 31.79 | 1,870 |
| T. 45 N., R. 6 W., approximate cor. secs. 2, 3, 10, and 11, rd. at fence N. -----  | 38 40 24.9  | 91 33 53.0  | 2,244 |
| Junction of rd. S. -----   | 38 40 13.0  | 91 34 27.0  | 2,956 |
| Highway at fence N. -----  | 38 40 11.3  | 91 35 00.9  | 2,690 |

\* It was reported by Missouri Geological Survey June 2, 1937, that this monument had been destroyed.

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Gasconade, 2.5 mi. W. of, in SE 1/4 NW 1/4 sec. 9, T. 45 N., R. 6 W., 30 ft. N. of County Route M, 171 ft. W. of W. face of dwelling of George Erik, in concrete post; standard tablet stamped "T T 666 C W A 1934"*   | 38 40 03.77 | 91 35 45.31 | 3,606    |
| Highway at fence S. -----  | 38 39 56.6  | 91 36 09.3  | 2,036    |
| Highway at fence N. -----  | 38 39 32.6  | 91 37 03.2  | 4,917    |
| Junction of rd. to Stope -----   | 38 39 21.2  | 91 37 16.7  | 1,566    |
| Morrison, at S. limits of, highway at fence E. --  | 38 39 59.4  | 91 37 45.6  | 4,487    |
| Morrison, intersection of streets N. and W. -----  | 38 40 27.3  | 91 38 07.4  | 3,318    |
| Junction of rd. S. -----   | 38 40 35.7  | 91 38 38.7  | 2,623    |
| T T 194 B 1932 (previously described) -----  | 38 40 21.02 | 91 38 59.14 | 2,202    |
| Center of double track at rd. crossing -----   | 38 40 37.4  | 91 38 42.4  | 2,121    |
| Center of double track at fence N. -----   | 38 40 41.3  | 91 39 32.4  | 3,986    |
| Center of double track at fence N. -----   | 38 40 39.0  | 91 40 04.3  | 2,535    |
| T. 45 N., R. 7 W., cor. secs. 2, 3, 10, and 11, iron pin -----   | 38 40 39.5  | 91 40 36.6  | 2,564    |
| R.R. at rd. crossing -----   | 38 40 38.2  | 91 41 15.1  | 3,060    |
| Chamois, 4 mi. E. of, along Missouri Pacific R.R., in NE 1/4 NE 1/4 sec. 9, T. 45 N., R. 7 W., 0.2 mi. W. of rd. crossing, 24 ft. S. and 225 ft. E. from milepole 96.2, 40 ft. N. of track, on small levee running NW., in concrete post; standard tablet stamped "T T 667 C W A 1934" ----- | 38 40 40.01 | 91 41 58.96 | 3,481    |
| R.R. at rd. crossing -----   | 38 40 41.0  | 91 42 42.6  | 3,458    |
| R.R. at drainage ditch N. -----  | 38 40 41.6  | 91 43 03.0  | 1,620    |
| R.R. at semaphore 99.1 DL -----  | 38 40 39.5  | 91 43 34.2  | 2,485    |
| T. 45 N., R. 7 W., approximate cor. secs. 5, 6, 7, and 8, iron pipe in center of E-W. ditch --   | 38 40 49.7  | 91 44 01.7  | 2,417    |
| R.R. in line with rd. N. -----   | 38 40 41.7  | 91 44 24.9  | 2,007    |

(Continued in Mokane quadrangle; see line 6.)

7. FROM HERMANN QUADRANGLE AT SEC. 29, T. 46 N., R. 5 W., WEST ALONG MISSOURI-KANSAS-TEXAS RAILROAD TO SEC. 32, T. 46 N., R. 7 W.  
(by C. W. Williams in 1935)

(Continued from Hermann quadrangle; see line 3.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Rhineland, 0.5 mi. E. of, along Missouri-Kansas-Texas R.R., near center sec. 29, T. 46 N., R. 5 W., 50 ft. S. of track, 30 ft. N. of County Route M, 105 ft. E. of E. face of church, in concrete post; standard tablet stamped "T T 685 C W A 1935" ----- | 38 43 16.51 | 91 30 21.36 | (4,704) |
| Rhineland, intersection of Main and Railroad Streets -----   | 38 43 05.4  | 91 31 01.5  | 3,372   |
| R.R. at rd. S. on line between secs. 31 and 36, T. 46 N., Rs. 5 and 6 W. -----   | 38 42 48.4  | 91 31 55.9  | 4,644   |
| T. 46 N., R. 6 W., N. sixteenth cor. sec. 36 -----   | 38 42 36.8  | 91 32 29.7  | 2,929   |
| R.R. at rd. crossing -----   | 38 42 23.7  | 91 33 03.5  | 2,989   |
| Rhineland, 2 mi. W. of, along Missouri-Kansas-Texas R.R., in S 1/2 sec. 35, T. 46 N., R. 6 W., 225 ft. W. of rd. crossing, 18 ft. N. of track, in line with rd. S., in concrete post; standard tablet stamped "T T 686 C W A 1935" -----                   | 38 42 15.50 | 91 33 37.37 | 2,807   |
| R.R. at rd. S. -----   | 38 42 10.8  | 91 34 28.1  | 4,052   |
| R.R. at fence S. -----   | 38 42 17.5  | 91 37 00.2  | 12,070  |
| Bluffton, in SW 1/4 sec. 32, T. 46 N., R. 6 W., 40 ft. S. and 158 ft. W. from SW. corner of Missouri-Kansas-Texas R.R. sta., in concrete post; standard tablet stamped "T T 1601 E R A 1935" -----   | 38 42 19.84 | 91 37 27.80 | 2,203   |
| R.R. at rd. crossing -----   | 38 42 19.8  | 91 38 07.4  | 3,141   |
| R.R. at signpost on Callaway-Montgomery county line -----  | 38 42 21.7  | 91 38 48.2  | 3,237   |
| Little Tavern Creek, E. end of bridge over -----   | 38 42 28.4  | 91 39 49.4  | 4,901   |
| Portland, 1.2 mi. E. of, along Missouri-Kansas-Texas R.R., in E 1/2 sec. 34, T. 46 N., R. 7 W., 11 ft. S. of track, in E. abutment of bridge over Big Tavern Creek; standard tablet stamped "T T 1602 E R A 1935" -----                                    | 38 42 35.7  | 91 40 29.5  | 3,264   |
| R.R. at telegraph pole 115 -----   | 38 42 40.16 | 91 41 23.36 | 4,293   |
| Portland, R.R. at E. face of sta. -----  | 38 42 36.6  | 91 41 56.2  | 2,627   |
| Rd. at fence S. -----  | 38 42 34.5  | 91 42 59.0  | 4,980   |
| Portland, triangulation sta. (previously described) -----  | 38 42 45.6  | 91 43 57.8  | 4,793   |
|  | 38 42 35.39 | 91 44 17.30 | 1,862   |

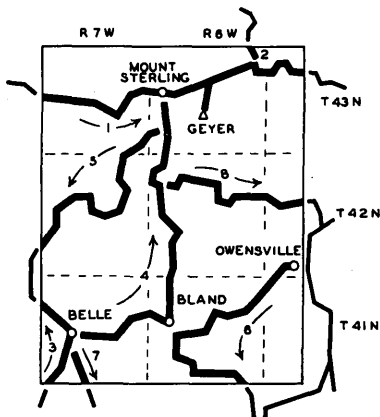
\* It was reported by Paul W. Douglass, Apr. 15, 1935, that this monument had been moved 21 ft. N. 20° W. of given position and elevation had been raised 1.176 ft. Description is for new location.

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| 8. FROM BLUFFTON NORTH INTO MINEOLA QUADRANGLE AT SEC. 17, T. 46 N., R. 6 W.<br>(by C. D. Craig in 1935)  |             |             |          |
| T T 1601 E R A 1935 (previously described) -----  | 38 42 19.84 | 91 37 27.80 | .....    |
| Rd. at fence W. -----   | 38 42 42.1  | 91 37 16.3  | 2,428    |
| Rd. fork E. -----   | 38 43 03.4  | 91 36 41.2  | 3,522    |
| Rd. at fence S., 775 ft. N. of stone at center<br>sec. 29, T. 46 N., R. 6 W. -----  | 38 43 28.6  | 91 36 57.5  | 2,865    |
| Rd. at fence W. -----   | 38 43 50.7  | 91 36 54.6  | 2,246    |
| T-rd. E. -----  | 38 44 13.5  | 91 36 38.7  | 2,624    |
| Bluffton, 3.5 mi. N. of, near center of N 1/2<br>sec. 20, T. 46 N., R. 6 W., 11 ft. S. and 8 ft.<br>W. from rd. corner SE.-N., 11 ft. N. and 7 ft.<br>W. from fence corner, in concrete post;<br>standard tablet stamped "T T 1723 E R A 1935<br>885" ----- | 38 44 24.73 | 91 36 55.21 | 1,732    |
| T-rd. E. -----  | 38 44 40.7  | 91 37 11.7  | 2,076    |
| (Continued in Mineola quadrangle; see line 8.)  |             |             |          |

Magnetic declination 6° 16' E.

BLAND QUADRANGLE  
(Latitude 38°15'-38°30'; longitude 91°30'-91°45')

Gasconade, Maries, and Osage Counties



1. FROM LINN QUADRANGLE EAST ALONG U.S. HIGHWAY 50 INTO GERALD QUADRANGLE  
(by W. R. Broadus in 1932)  
(Continued from Linn quadrangle; see line 2.)

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Junction of rd. S. -----   | 38 27 55.2  | 91 44 53.0  | (994)    |
| T. 43 N., R. 7 W., in NW 1/4 SE 1/4 sec. 20,<br>6.7 mi. SE. of Linn, along U.S. Highway 50,<br>1.4 mi. E. of junction of State Highway 89, on<br>top of hill, 37 ft. S. of highway, 670 ft. E.<br>of dwelling of A. Rhoads, 103 ft. W. of E.<br>corner of field next to woods, in concrete<br>post; standard tablet stamped "T T 44 B 1932<br>800" ----- | 38 27 50.15 | 91 43 39.69 | 5,849    |
| Highway at fence N. -----  | 38 27 30.4  | 91 42 19.4  | 6,692    |
| Junction of rd. N. -----   | 38 27 29.2  | 91 42 02.7  | 1,337    |
| Highway at fence S. on E. side of rd. S. on line<br>between secs. 26 and 27, T. 43 N., R. 7 W. -----   | 38 27 03.6  | 91 40 55.0  | 5,967    |
| Mount Sterling, 3.6 mi. W. of, along U.S. Highway<br>50, in NW 1/4 sec. 26, T. 43 N., R. 7 W., about<br>0.4 mi. SW. of Useful general store, 38 ft. S.<br>of highway, opposite SE. corner of cemetery, in<br>concrete post; standard tablet stamped "T T<br>45 B 1932 769" -----   | 38 27 03.63 | 91 40 47.60 | 591      |
| Useful, junction of rd. SE. -----  | 38 27 13.5  | 91 40 24.0  | 2,124    |
| Possamtown School, SE. corner of -----   | 38 27 43.0  | 91 39 59.7  | 3,560    |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Crossroad -----  | 38 28 01.6  | 91 38 58.8  | 5,195    |
| Highway at fence N. and dim rd. S. on Gasconade-<br>Osage county line -----  | 38 27 58.4  | 91 38 35.0  | 1,925    |
| Mount Sterling, in NW 1/4 sec. 20, T. 43 N.,<br>R. 6 W., 180 ft. N. of post office, 50 ft. N.<br>and 40 ft. E. from U.S. Highway 50 at cross-<br>road, in concrete post; standard tablet stamped<br>"T 46 B 1932 591" -----  | 38 27 53.78 | 91 37 39.85 | 4,407    |
| Junction of rd. N. to Heckman Mill -----   | 38 28 03.5  | 91 37 05.6  | 2,894    |
| Junction of private lane to dwelling of William<br>Brinkman -----  | 38 28 36.8  | 91 36 09.2  | 5,609    |
| Junction of rd. N. -----   | 38 28 44.2  | 91 35 34.8  | 2,837    |
| Mount Sterling, 2.6 mi. NE. of, along U.S.<br>Highway 50, in NW 1/4 NW 1/4 sec. 15, T. 43 N.,<br>R. 6 W., 170 ft. S. and 200 ft. E. from dwell-<br>ing of George Buschmann, 40 ft. S. and 30 ft.<br>E. from junction of dim rd. SE., 1 ft. N. of<br>picket fence, in concrete post; standard tablet<br>stamped "T 47 B 1932 627" ----- | 38 28 47.21 | 91 35 25.05 | 831      |
| Junction of rd. S. -----   | 38 28 47.4  | 91 35 00.4  | 1,959    |
| NW. corner of dwelling of Edward Kurrelmeyer<br>Geyer triangulation sta.; U.S.C. & G.S. standard<br>disk stamped "Geyer" -----   | 38 28 23.2  | 91 35 02.4  | 2,454    |
| Junction of rd. S. (previously described) -----  | 38 26 57.03 | 91 35 48.89 | 9,467    |
| Junction of rd. NE. to Bay -----   | 38 28 44.4  | 91 35 00.4  | .....    |
| Junction of rd. S. to Cove Hill Cave -----   | 38 28 44.0  | 91 34 52.8  | 693      |
| Crossroad -----  | 38 28 53.6  | 91 33 54.0  | 4,783    |
| Mount Sterling, 5.6 mi. E. of, along U.S. Highway<br>50, in NE 1/4 sec. 13, T. 43 N., R. 6 W., in<br>creek valley, 37 ft. S. of highway, 37 ft. NE.<br>of rd. SE., in angle formed by rd. junction;<br>8 ft. E. of fence corner, in concrete post;<br>standard tablet stamped "T 48 B 1932" -----                                      | 38 29 04.3  | 91 33 00.0  | 4,425    |
| Junction of rd. S. to Owensville -----   | 38 28 53.50 | 91 32 25.84 | 2,930    |
| Junction of rd. N. at W. end of bridge -----   | 38 28 56.0  | 91 31 56.9  | 2,311    |
| Neese School, center of top of belfry -----  | 38 29 14.5  | 91 31 13.8  | 3,905    |
|  | 38 28 59.2  | 91 30 37.8  | 3,260    |

(Continued in Gerald quadrangle; see line 1.)

2. FROM MORRISON QUADRANGLE AT SEC. 2, T. 43 N., R. 6 W., SOUTHEAST TO SEC. 13,  
T. 43 N., R. 6 W. (by W. R. Broadus in 1932)  
(Continued from Morrison quadrangle; see line 4.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Junction of private rd. W. -----         | 38 29 45.6  | 91 33 18.2  | (4,318) |
| Rd. forks -----                          | 38 29 40.0  | 91 33 17.5  | 563     |
| T 48 B 1932 (previously described) ----- | 38 28 53.50 | 91 32 25.84 | 6,246   |

3. FROM LINN QUADRANGLE AT SEC. 31, T. 41 N., R. 7 W., NORTHEAST ALONG ROADS  
TO SEC. 29, T. 41 N., R. 7 W., THENCE NORTH ALONG STATE HIGHWAY 28 TO  
BELLE, THENCE NORTHWEST ALONG STATE HIGHWAY 89 INTO LINN QUADRANGLE  
(by G. N. Tex in 1933)

(Continued from Vienna quadrangle; see line 5.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Crossroads -----   | 38 15 05.4  | 91 44 55.0  | (2,676) |
| Crossroads -----   | 38 15 48.3  | 91 44 13.8  | 5,439   |
| Belle, 1.4 mi. S. of, along State Highway 28,<br>near center sec. 29, T. 41 N., R. 7 W., 85 ft.<br>N. and 35 ft. E. from junction of rd. E., 50<br>ft. E. of highway, in W. edge of yard of<br>Crossroads School, in concrete post; standard<br>tablet stamped "T 5 T 1933 1032" ----- | 38 16 03.07 | 91 43 44.08 | 2,802   |
| Junction of private rd. NE. -----  | 38 16 46.3  | 91 43 30.4  | 4,507   |
| Belle, highway at fence W. on Maries-Osage<br>county line -----  | 38 17 21.3  | 91 43 15.1  | 3,740   |
| Crossroad -----  | 38 17 47.3  | 91 43 20.2  | 2,661   |
| Belle, 1.3 mi. NW. of, along State Highway 89,<br>in NW 1/4 NE 1/4 sec. 17, T. 41 N., R. 7 W.,<br>40 ft. W. of junction of rd. E., 35 ft. S. of<br>highway at curve, 4 ft. NW. of telephone pole,<br>in concrete post; standard tablet stamped "T T<br>6 T 1933 1042" -----            | 38 18 11.39 | 91 43 36.49 | 2,764   |
| Junction of dim rd. S. on top of hill -----  | 38 18 39.0  | 91 44 23.2  | 4,656   |
| Junction of rd. S. -----   | 38 18 52.2  | 91 44 48.3  | 2,401   |

(Continued in Linn quadrangle; see line 6.)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| 4. FROM BELLE EAST ALONG ROADS TO SEC. 14, T. 41 N., R. 7 W., THENCE EAST ALONG STATE HIGHWAY 28 TO BLAND, THENCE NORTH ALONG ROADS TO MOUNT STERLING (by G. N. Tex in 1933)  |             |             |          |
| Highway at fence W. (previously described) -----  | 38 17 21.3  | 91 43 15.1  | .....    |
| T. 41 N., R. 7 W., quarter cor. between secs. 16 and 21, crossroads in line with rd. N. -----   | 38 17 20.4  | 91 42 41.5  | 2,684    |
| T. 41 N., R. 7 W., cor. secs. 15, 16, 21, and 22, rd. at fences N. and S. -----   | 38 17 19.4  | 91 42 05.3  | 2,885    |
| T. 41 N., R. 7 W., W. sixteenth cor. between secs. 15 and 22, crossroads -----  | 38 17 19.2  | 91 41 48.3  | 1,360    |
| Belle, 2 mi. E. of, cor. secs. 14, 15, 22, and 23, T. 41 N., R. 7 W., 14 ft. N. and 52 ft. W. from T-rd. S., on Maries-Osage county line, in concrete post; standard tablet stamped "T T 12 1933 1036" -----  | 38 17 19.04 | 91 40 57.73 | 4,030    |
| Rd. at fences E. and W. -----   | 38 17 44.9  | 91 40 39.9  | 2,982    |
| Junction of rd. SW. -----   | 38 17 59.3  | 91 40 32.5  | 1,571    |
| Highway at fence N. -----   | 38 18 07.7  | 91 39 49.4  | 3,535    |
| Junction of rd. S. -----  | 38 18 10.7  | 91 39 32.2  | 1,401    |
| T. 41 N., R. 7 W., quarter cor. between secs. 12 and 13, junction of rd. N. -----   | 38 18 11.2  | 91 39 14.9  | 1,380    |
| Highway at fence S. on Gasconade-Osage county line -----  | 38 18 12.2  | 91 38 40.6  | 2,740    |
| Bland, about 200 ft. W. of NW. corner of Chicago, Rock Island & Pacific Ry. sta., 96 ft. N. of main track, 50 ft. S. and 36 ft. E. from intersection of Main Street and Colorado Avenue, in concrete post; standard tablet stamped "T T 13 T 1933 1023" -----                               | 38 18 10.22 | 91 37 57.76 | 3,420    |
| Bland, center of water tank -----   | 38 18 09.4  | 91 37 46.7  | 883      |
| T-rd. E. -----  | 38 18 44.8  | 91 37 23.4  | 4,035    |
| Rd. at fences E. and W. on line between secs. 5 and 6, T. 41 N., R. 6 W. -----  | 38 18 58.2  | 91 37 22.2  | 1,354    |
| Rd. fork E. -----   | 38 19 06.0  | 91 37 12.6  | 1,103    |
| Rd. opposite triangular-blazed 24-in. elm tree -----  | 38 19 30.0  | 91 37 15.0  | 2,432    |
| Rd. at fences E. and W. on line between secs. 5 and 32, Tps. 41 and 42 N., R. 6 W. -----  | 38 20 00.0  | 91 37 28.9  | 3,290    |
| Eland, 3 mi. N. of, along rd. to Mount Sterling, about 0.1 mi. W. of center sec. 32, T. 42 N., R. 6 W., about 100 ft. NE. of ford across Crider Creek, 14 ft. S. and 11 ft. E. from junction of rd. NW., 2 ft. inside fence, in concrete post; standard tablet stamped "3 J 1933 669" ----- | 38 20 25.37 | 91 37 18.17 | 2,708    |
| T. 42 N., R. 6 W., cor. secs. 19, 20, 29, and 30, stone -----   | 38 21 45.1  | 91 37 44.0  | 8,272    |
| Crider Creek, center of low water bridge over -----   | 38 21 59.3  | 91 37 48.2  | 1,475    |
| Rd. at fence E. -----   | 38 22 11.7  | 91 37 46.5  | 1,261    |
| Mount Sterling, 7.1 mi. S. of, along rd. to Bland, 0.2 mi. W. of cor. secs. 17, 18, 19, and 20, T. 42 N., R. 6 W., 18 ft. S. and 53 ft. W. from rd. corner, in concrete post; standard tablet stamped "2 J 1933 592" -----  | 38 22 38.38 | 91 38 00.82 | 2,933    |
| Rd. fork NE. -----  | 38 23 25.9  | 91 38 00.2  | 4,803    |
| Rd. at fence E. on line between secs. 7 and 18, T. 42 N., R. 6 W. -----   | 38 23 29.5  | 91 38 03.9  | 472      |
| Rd. at fence W., probable E. cor. secs. 1 and 12, T. 42 N., R. 7 W. -----   | 38 24 21.8  | 91 38 38.3  | 5,961    |
| Crossroads -----  | 38 24 36.6  | 91 38 32.0  | 1,571    |
| Rd. at fence E. -----   | 38 24 55.7  | 91 38 07.1  | 2,768    |
| Mount Sterling, 3.2 mi. S. of, along road to Bland, in N 1/2 sec. 6, T. 42 N., R. 6 W., 21 ft. W. of rd., 5 ft. W. of 8-in. walnut tree, in fence corner, in concrete post; standard tablet stamped "1 J 1933 614" -----  | 38 25 22.59 | 91 38 01.87 | 2,754    |
| Junction of private rd. W. -----  | 38 26 03.3  | 91 37 55.1  | 4,155    |
| Rd. fork E. -----   | 38 26 16.0  | 91 37 47.5  | 1,415    |
| Rd. fork SW. to Cooper Hill -----   | 38 26 27.4  | 91 37 47.7  | 1,153    |
| Rd. fork NW. -----  | 38 26 55.0  | 91 37 58.6  | 2,926    |
| Rd. fork SE. to Owensville -----  | 38 27 45.3  | 91 37 43.2  | 5,232    |
| T T 46 B 1932 591 (previously described) -----  | 38 27 53.78 | 91 37 39.85 | 901      |

## 5. FROM SEC. 30, T. 43 N., R. 6 W., SOUTHWEST INTO LINN QUADRANGLE AT SEC. 30, T. 42 N., R. 7 W. (by G. N. Tex in 1933)

|  |            |            |       |
|--|------------|------------|-------|
| Rd. fork SW. (previously described) -----                  | 38 26 27.4 | 91 37 47.7 | ..... |
| Rd. at fences N. and S. -----                              | 38 26 14.8 | 91 38 14.3 | 2,470 |
| Rd. at Gasconade-Osage county line -----                   | 38 26 10.7 | 91 38 37.2 | 1,875 |
| Junction of private rd. W. to dwelling of J. A. Volk ----- | 38 26 05.5 | 91 38 52.2 | 1,303 |
| Junction of private rd. E. -----                           | 38 25 53.6 | 91 39 08.9 | 1,794 |
| Cooper Hill School, rd. in front of -----                  | 38 25 40.6 | 91 39 25.4 | 1,853 |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | " ' "       | " ' "       | Feet     |
| Cooper Hill, in SW 1/4 sec. 36, T. 43 N.,<br>R. 7 W., about 110 ft. SE. of post office,<br>10 ft. N. and 90 ft. E. from rd. forks, 4 ft.<br>SE. of fence corner, in concrete post; standard<br>tablet stamped "4 J 1933 561" -----  | 38 25 38.73 | 91 39 44.19 | 1,510    |
| Rd. at line between secs. 35 and 36, T. 43 N.,<br>R. 7 W. -----   | 38 25 38.2  | 91 39 46.5  | 190      |
| Rd. fork NW. -----  | 38 25 36.3  | 91 39 54.8  | 695      |
| Rd. at line between secs. 2 and 35, Tps. 42 and<br>43 N., R. 7 W. -----   | 38 25 26.6  | 91 40 24.1  | 2,527    |
| Rd. forks S. and E. -----   | 38 25 09.6  | 91 40 20.8  | 1,745    |
| T-rd. E. -----  | 38 24 19.8  | 91 40 38.2  | 5,227    |
| Junction of private rd. E. -----  | 38 23 50.6  | 91 40 23.4  | 3,181    |
| Puersville, near quarter cor. between secs. 11<br>and 14, T. 42 N., R. 7 W., 80 ft. S. and 18 ft.<br>E. from SE. corner of store building of<br>Tom Tyree, 15 ft. W. of rd., 1 ft. SE. of fence<br>corner, in concrete post; standard tablet<br>stamped "5 J 1933 800" -----  | 38 23 33.29 | 91 40 30.39 | 1,841    |
| T-rd. NE. -----   | 38 23 20.7  | 91 40 33.0  | 1,290    |
| T-rd. E. -----  | 38 22 43.0  | 91 40 55.4  | 4,209    |
| T-rd. NW. -----   | 38 22 24.8  | 91 41 08.2  | 2,111    |
| Center of large wooden culvert over drain -----   | 38 22 57.8  | 91 42 02.2  | 5,444    |
| T. 42 N., R. 7 W., quarter cor. between secs. 15<br>and 16, rock pile 6 ft. N. and 2 ft. E. from<br>fence corner -----  | 38 23 09.9  | 91 42 06.0  | 1,259    |
| Rd. fork E. -----   | 38 23 29.5  | 91 42 06.0  | 1,982    |
| Center of stone culvert -----   | 38 23 38.0  | 91 42 27.6  | 1,944    |
| College Hill Church, 1,020 ft. S. of limestone<br>rock at quarter cor. between secs. 9 and 16,<br>T. 42 N., R. 7 W., 43 ft. N. and 22 ft. W.<br>from NW. corner of church, 71 ft. N. (? 43)<br>and 12 ft. E. from NE. corner of College Hill<br>School, 10 ft. N. of rd., 11 ft. W. of fence<br>corner, in concrete post; standard tablet<br>stamped "6 J 1933 632" ----- | 38 23 26.44 | 91 42 40.52 | 1,557    |
| Junction of private rd. NW. to dwelling of<br>H. Smith -----  | 38 23 24.1  | 91 43 05.0  | 1,965    |
| T. 42 N., R. 7 W., cor. secs. 8, 9, 16, and 17,<br>stone in rail fence near peach orchard -----   | 38 23 37.4  | 91 43 14.7  | 1,545    |
| Rd. fork N. -----   | 38 23 30.4  | 91 43 29.6  | 1,381    |
| T-rd. W. -----  | 38 23 10.3  | 91 43 55.8  | 2,944    |
| T-rd. E. -----  | 38 22 44.4  | 91 43 57.2  | 2,629    |
| College Hill Church, 2.7 mi. SW. of, in SW 1/4<br>sec. 20, T. 42 N., R. 7 W., 26 ft. N. and 73<br>ft. E. from junction of rd. E., in concrete<br>post; standard tablet stamped "7 J 1933 822" -<br>Crossroads -----   | 38 22 06.01 | 91 44 08.57 | 3,983    |
| Center of triangle at rd. fork N. -----   | 38 21 52.2  | 91 44 26.1  | 1,974    |
| Rd. fork S. -----   | 38 21 38.4  | 91 44 44.1  | 2,004    |
|   | 38 21 26.7  | 91 44 55.8  | 1,499    |

(Continued in Linn quadrangle; see line 8.)

6. FROM GERALD QUADRANGLE SOUTHWEST ALONG STATE HIGHWAY 28 TO BLAND, THENCE  
SOUTHEAST ALONG ROADS INTO REDBIRD QUADRANGLE AT SEC. 35, T. 41 N.,  
R. 6 W. (by R. R. Boswell, Jr. in 1933)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 52 B 1932 935 (In Gerald quadrangle; see<br>line 2.) -----  | 38 20 48.94 | 91 29 57.01 | ..... |
| Chicago, Rock Island & Pacific Ry. at highway<br>crossing -----   | 38 20 36.2  | 91 30 29.8  | 2,921 |
| Junction of rd. NW. -----   | 38 20 22.6  | 91 30 53.4  | 2,320 |
| Highway at fences N. and S. -----   | 38 20 15.8  | 91 31 05.3  | 1,171 |
| Highway at fence E. -----   | 38 19 52.2  | 91 31 44.7  | 3,943 |
| Highway at fence E. -----   | 38 19 39.3  | 91 31 56.8  | 1,632 |
| Canaan, 1.3 mi. NE. of, along State Highway 28,<br>in SE 1/4 sec. 1, T. 41 N., R. 6 W., 75 ft. N.<br>and 490 ft. E. from private rd. in front of<br>church, 30 ft. N. and 20 ft. W. from crossroad,<br>50 ft. E. of Chicago, Rock Island & Pacific<br>Ry., 8 ft. N. and 2 ft. W. from fence corner,<br>in concrete post; standard tablet stamped "T T<br>1 B 1933 1000" ----- | 38 19 09.92 | 91 32 18.46 | 3,431 |
| Crossroad -----   | 38 18 54.7  | 91 32 43.6  | 2,525 |
| Highway at fence S. -----   | 38 18 51.8  | 91 32 56.9  | 1,101 |
| Highway at fence S. -----   | 38 18 48.4  | 91 33 15.7  | 1,535 |
| Canaan, junction of rd. N. -----  | 38 18 46.5  | 91 33 20.6  | 443   |
| Junction of rd. S. -----  | 38 18 40.6  | 91 33 48.8  | 2,323 |
| Highway at fence N. -----   | 38 18 33.1  | 91 34 23.1  | 2,834 |
| Canaan, 1.6 mi. SW. of, along State Highway 28,<br>in SE 1/4 SW 1/4 sec. 10, T. 41 N., R. 6 W.,<br>36 ft. S. of junction of rd. S., 2 ft. N. and<br>2 ft. W. from fence corner, in concrete post;<br>standard tablet stamped "T T 2 B 1933 1032" --   | 38 18 04.62 | 91 35 09.65 | 4,701 |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
| Junction of rd. S. -----   | 38 17 58.2  | 91 35 35.8  | 2,185    |
| Highway at E. one of two fences S. -----   | 38 17 46.8  | 91 36 09.2  | 2,904    |
| Highway at fence S. -----  | 38 17 46.2  | 91 36 37.1  | 2,224    |
| Highway at fence W. and old rd. E. -----   | 38 17 39.9  | 91 37 19.5  | 3,435    |
| Signpost in center of triangle at junction of<br>County Route B -----  | 38 17 45.1  | 91 37 21.2  | 545      |
| T T 13 T 1933 1023 (previously described) -----  | 38 18 10.22 | 91 37 57.76 | 3,863    |
| Highway at fence W. and old rd. E. (previously<br>described) -----   | 38 17 39.9  | 91 37 19.5  | .....    |
| Rd. at fence E. near wood line W. -----  | 38 17 13.6  | 91 37 25.1  | 2,696    |
| T-rd. E., 12 ft. N. of junction of private rd. W.<br>Rd. at fence S. -----   | 38 16 37.9  | 91 37 29.1  | 3,627    |
| Center of concrete culvert -----   | 38 16 34.4  | 91 37 12.1  | 1,401    |
| Cleavesville, quarter cor. between secs. 21 and<br>28, T. 41 N., R. 6 W., about 0.2 mi. NE. of<br>store of Henry Essman, 48 ft. S. and 19 ft. W.<br>from junction of rd. S., 5 ft. S. of 10-in.<br>cedar tree, in NE. corner of yard of Henry<br>Stephens, in concrete post; standard tablet<br>stamped "8 J 1933 901" ----- | 38 16 22.60 | 91 36 04.96 | 3,199    |
| T. 41 N., R. 6 W., center sec. 28, rd. corner<br>from N.-E. -----  | 38 15 54.8  | 91 36 04.9  | 2,813    |
| T. 41 N., R. 6 W., quarter cor. between secs. 27<br>and 28, rd. at fence N. -----  | 38 15 54.1  | 91 35 31.3  | 2,676    |
| T. 41 N., R. 6 W., W. sixteenth cor. sec. 27, rd.<br>at fence S. -----   | 38 15 54.1  | 91 35 14.5  | 1,340    |
| T-rd. E. -----   | 38 15 54.1  | 91 34 40.6  | 2,707    |
| T. 41 N., R. 6 W., quarter cor. between secs. 26<br>and 27, T-rd. N. -----   | 38 15 54.1  | 91 34 23.6  | 1,360    |
| Cleavesville, 2.7 mi. SE. of, in SW 1/4 sec. 26,<br>T. 41 N., R. 6 W., 20 ft. N. and 53 ft. E. from<br>rd. forks, 30 ft. S. and 76 ft. W. from SW<br>corner of Wallace School, 5 ft. N. of fence<br>corner, in concrete post; standard tablet<br>stamped "9 J 1933 976" -----  | 38 15 40.35 | 91 33 49.67 | 3,042    |
| Rd. at fence E. -----  | 38 15 13.4  | 91 33 36.6  | 2,934    |
| T. 41 N., R. 6 W., quarter cor. between secs. 35<br>and 36, T-rd. W. -----   | 38 15 00.1  | 91 33 16.0  | 2,121    |

(Continued in Redbird quadrangle; see line 6.)

7. FROM SEC. 29, T. 41 N., R. 7 W., SOUTHEAST ALONG STATE HIGHWAY 28 INTO  
REDBIRD QUADRANGLE (by R. R. Boswell, Jr. in 1933)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 5 T 1933 1032 (previously described) ----- | 38 16 03.07 | 91 43 44.08 | ..... |
| Junction of rd. NE. -----                      | 38 15 44.7  | 91 43 39.6  | 1,895 |
| Highway at fence W. -----                      | 38 15 36.0  | 91 43 36.7  | 907   |
| Crossroad -----                                | 38 15 25.3  | 91 43 30.9  | 1,172 |
| Dry Fork Creek, center of bridge over -----    | 38 15 00.7  | 91 43 14.4  | 2,818 |

(Continued in Redbird quadrangle; see line 5.)

8. FROM SEC. 6, T. 42 N., R. 6 W., EAST INTO GERALD QUADRANGLE AT SEC. 8,  
T. 42 N., R. 5 W. (by R. R. Boswell, Jr. in 1933)

|  |             |             |       |
|--|-------------|-------------|-------|
| Crossroads (previously described) -----  | 38 24 36.6  | 91 38 32.0  | ..... |
| Third Creek, center of low-water bridge over -----   | 38 24 27.2  | 91 38 21.4  | 1,269 |
| Center of low-water bridge over branch -----   | 38 24 17.9  | 91 36 55.2  | 6,932 |
| Suelthaus Ford, 0.8 mi. W. of, near NW. cor.<br>sec. 9, T. 42 N., R. 6 W., 57 ft. N. and 42 ft.<br>E. from NE. corner of dwelling of<br>H. J. Niebruegger, 17 ft. S. of rd., 10 ft. E.<br>of fence corner, in concrete post; standard<br>tablet stamped "12 J 1933 600" -----                                  | 38 24 19.47 | 91 36 35.99 | 1,536 |
| Rd. at fences N. and S. -----  | 38 24 25.5  | 91 36 20.4  | 1,385 |
| T. 42 N., R. 6 W., quarter cor. between secs. 4<br>and 9 -----   | 38 24 22.5  | 91 36 03.9  | 1,351 |
| Third Creek, center of low-water bridge over -----   | 38 24 22.1  | 91 35 56.6  | 578   |
| T-rd. N. -----   | 38 24 24.1  | 91 35 47.5  | 752   |
| T-rd. E. -----   | 38 23 54.3  | 91 35 12.8  | 4,085 |
| T-rd. W. -----   | 38 23 48.3  | 91 35 10.6  | 636   |
| Fence corner -----   | 38 23 22.4  | 91 34 39.7  | 3,593 |
| Rd. fork S. -----  | 38 23 22.6  | 91 34 23.4  | 1,303 |
| Old Wooliam, 1 mi. W. of, in SW 1/4 sec. 11,<br>T. 42 N., R. 6 W., about 0.2 mi. NW. of<br>dwelling of B. B. Suelthaus, 4 ft. N. and 28<br>ft. E. from N. corner of triangle formed by rd.<br>forks, 5 ft. E. of E. gatepost to pasture, in<br>concrete post; standard tablet stamped "13 J<br>1933 712" ----- | 38 23 37.33 | 91 34 12.07 | 1,737 |
| T-rd. N. -----   | 38 23 36.8  | 91 33 48.0  | 1,921 |
| Rd. fork S. -----  | 38 23 29.1  | 91 33 24.8  | 2,002 |



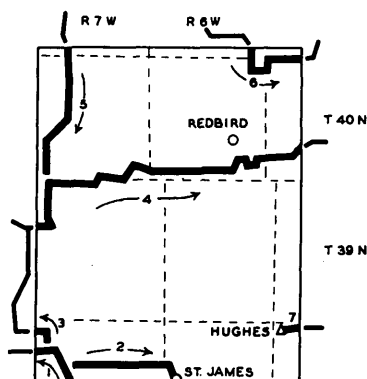
| Station  | Latitude |    |       | Longitude |    |       | Distance |
|--|----------|----|-------|-----------|----|-------|----------|
|  | °        | '  | "     | °         | '  | "     |          |
| T. 42 N., R. 6 W., cor. secs. 11, 12, 13, and 14,<br>limestone rock -----  | 38       | 23 | 27.5  | 91        | 33 | 16.6  | 670      |
| Rd. fork N. -----  | 38       | 23 | 35.9  | 91        | 33 | 02.0  | 1,445    |
| Rd. at farmhouse of A. M. Farris -----   | 38       | 23 | 32.6  | 91        | 32 | 26.7  | 2,830    |
| T. 42 N., R. 5 W., W. cor. secs. 7 and 18 -----  | 38       | 23 | 27.7  | 91        | 32 | 02.6  | 1,981    |
| Center of triangle at rd. forks -----  | 38       | 23 | 34.9  | 91        | 31 | 26.9  | 2,932    |
| Center of low-water bridge -----   | 38       | 23 | 28.3  | 91        | 31 | 19.5  | 886      |
| Old Woollam, 1.8 mi. E. of, about 0.2 mi. W. of<br>cor. secs. 7, 8, 17, and 18, T. 42 N.,<br>R. 5 W., 51 ft. S. and 41 ft. E. from junction<br>of rd. E., 4 ft. SW. of telephone pole, in<br>concrete post; standard tablet stamped "14 J<br>1933 702" ----- | 38       | 23 | 25.62 | 91        | 31 | 16.60 | 360      |
| T. 42 N., R. 5 W., cor. secs. 7, 8, 17, and 18,--  | 38       | 23 | 26.8  | 91        | 31 | 04.6  | 960      |
| Rd. at fence N. -----  | 38       | 23 | 39.9  | 91        | 30 | 13.8  | 4,257    |

(Continued in Gerald quadrangle; see line 3.)

Magnetic declination 6° 20' E.

REDBIRD QUADRANGLE  
(Latitude 38°00'-38°15'; longitude 91°30'-91°45')

Crawford, Gasconade, Maries, and Phelps Counties



1. FROM MERAMEC SPRING QUADRANGLE AT SEC. 19, T. 38 N., R. 7 W., NORTHWEST INTO VIENNA QUADRANGLE AT SEC. 13, T. 38 N., R. 8 W. (by J. R. Ellis in 1908)

| Station  | Latitude |    |       | Longitude |    |       | Distance |
|--|----------|----|-------|-----------|----|-------|----------|
|  | °        | '  | "     | °         | '  | "     |          |
| T. 38 N., R. 7 W., cor. secs. 19, 20, 29, and 30, stone at crossroads near cemetery (in Meramec Spring quadrangle) -----   | 37       | 59 | 41.4  | 91        | 43 | 28.2  | .....    |
| T. 38 N., R. 7 W., cor. secs. 17, 18, 19, and 20, crossroads -----   | 38       | 00 | 33.9  | 91        | 43 | 28.1  | 5,320    |
| T. 38 N., R. 7 W., cor. secs. 17, 18, 19, and 20, in NE. corner of crossroads, in SW. corner of field of A. D. Walton, in 8- by 13- by 30-in. sandstone; aluminum tablet stamped "Prim Trav Sta No 1 1908 Mo 1174" ----- | 38       | 00 | 34.13 | 91        | 43 | 27.60 | 47       |
| T. 38 N., R. 8 W., E. cor. secs. 13 and 24 -----   | 38       | 00 | 33.7  | 91        | 44 | 34.2  | 5,331    |
| T-rd. W. -----   | 38       | 01 | 00.6  | 91        | 44 | 51.0  | 3,035    |

(Continued in Vienna quadrangle; see line 1.)

2. FROM SEC. 17, T. 38 N., R. 7 W., EAST AND SOUTH INTO MERAMEC SPRING QUADRANGLE AT ST. JAMES (by J. B. Leavitt in 1920)

|  |    |    |       |    |    |       |       |
|--|----|----|-------|----|----|-------|-------|
| Prim Trav Sta No 1 1908 Mo 1174 (previously described) -----                         | 38 | 00 | 34.13 | 91 | 43 | 27.60 | ..... |
| Crossroads at signboard marked "Dillion 3 mi. Rolla 6.5 mi. St. James 5.5 mi." ----- | 38 | 00 | 32.3  | 91 | 42 | 21.8  | 5,264 |
| T. 38 N., R. 7 W., cor. secs. 15, 16, 21, and 22, T-rd. W. -----                     | 38 | 00 | 30.7  | 91 | 41 | 15.2  | 5,334 |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Crossroads on line between secs. 14 and 15,<br>T. 38 N., R. 7 W. -----  | 38 00 42.4  | 91 40 08.7  | 5,446    |
| T. 38 N., R. 7 W., cor. secs. 13, 14, 23, and 24,<br>0.5 mi. N., thence 1.7 mi. W. from St. James,<br>on Parker Lane rd., 100 ft. SE. of dwelling of<br>E. T. Jones, at NW. corner of crossroads; iron<br>post stamped "Prim Trav Sta No 1 J B L 1920 Mo<br>1006" ----- | 38 00 27.59 | 91 39 02.39 | 5,508    |
| St. James, 0.5 mi. N. of, State Highway 68 at<br>rd. W. -----   | 38 00 25.1  | 91 37 10.9  | 8,925    |
| St. James, St. Louis-San Francisco Ry. opposite<br>semaphore at sta. (in Meramec Spring quad-<br>rangle) -----  | 37 59 49.3  | 91 36 54.6  | 5,264    |

3. FROM SEC. 18, T. 38 N., R. 7 W., NORTH AND WEST INTO VIENNA QUADRANGLE AT  
SEC. 12, T. 38 N., R. 8 W. (by W. R. Broadus in 1932)

|  |             |             |       |
|--|-------------|-------------|-------|
| Prim Trav Sta No 1 1908 Mo 1174 (previously<br>described) -----  | 38 00 34.13 | 91 43 27.60 | ..... |
| T. 38 N., R. 7 W., cor. secs. 7, 8, 17, and 18,<br>crossroads -----  | 38 01 26.3  | 91 43 27.8  | 5,283 |
| T. 38 N., R. 7 W., quarter cor. between secs. 7<br>and 18, rd. at fence N. on E. side of private<br>lane N. -----  | 38 01 26.3  | 91 44 01.2  | 2,665 |
| Macedonia Church, 1.8 mi. E. of, W. cor. secs. 7<br>and 18, T. 38 N., R. 7 W., 15 ft. N. and 20 ft.<br>W. from T-rd. E., in concrete post; standard<br>tablet stamped "T T 19 B 1932 1120" ----- | 38 01 26.55 | 91 44 51.00 | 3,989 |
| T-rd. W. -----   | 38 01 35.3  | 91 44 50.7  | 890   |

(Continued in Vienna quadrangle; see line 2.)

4. FROM VIENNA QUADRANGLE AT SEC. 12, T. 39 N., R. 8 W., EAST INTO CUBA  
QUADRANGLE AT SEC. 29, T. 40 N., R. 5 W. (by W. R. Broadus in 1932)  
(Continued from Vienna quadrangle; see line 3.)

|  |             |             |         |
|--|-------------|-------------|---------|
| T-rd. S. -----   | 38 07 13.7  | 91 44 29.8  | (4,115) |
| Junction of State Highway 68 and rd. N. (old<br>State Highway 28) -----  | 38 06 58.7  | 91 43 42.4  | 4,079   |
| Vichy, 3.5 mi. NE. of, on former State Highway<br>28, in SE 1/4 sec. 6, T. 39 N., R. 7 W., 48 ft.<br>E. of highway, 45 ft. W. of SW. corner of<br>Hickory Grove Church, in line with S. face, in<br>concrete post; standard tablet stamped "T T 62<br>B 1932 1136" ----- | 38 07 46.89 | 91 43 55.66 | 4,986   |
| T-rd. W. -----   | 38 07 58.6  | 91 43 56.1  | 1,189   |
| T-rd. E. -----   | 38 09 04.6  | 91 43 55.7  | 6,675   |
| High Gate, 1.9 mi. SW. of, 0.2 mi. S. and 0.2<br>mi. W. from NE. cor. sec. 5, T. 39 N., R. 7 W.,<br>22 ft. N. and 40 ft. E. from T-rd. N., 3 ft.<br>N. of fence, in concrete post; standard tablet<br>stamped "T T 63 B 1932 1095" -----                                 | 38 09 02.81 | 91 42 31.74 | 6,707   |
| Rd. corner from S.-E. at fence N. -----  | 38 09 19.0  | 91 41 26.7  | 5,450   |
| Rd. fork S. -----  | 38 09 23.5  | 91 41 10.0  | 1,408   |
| High Gate, crossroads at -----   | 38 09 27.4  | 91 40 28.0  | 3,376   |
| Rd. fork S. -----  | 38 09 26.9  | 91 39 40.3  | 3,811   |
| High Gate, 1.7 mi. E. of, N. sixteenth cor.<br>sec. 36, T. 40 N., R. 7 W., at dim crossroads,<br>33 ft. S. of rd. W., 20 ft. W. of rd. S., in<br>concrete post; standard tablet stamped "T T<br>64 B 1932 1022" -----  | 38 09 52.75 | 91 39 14.60 | 3,321   |
| Rd. fork N. -----  | 38 10 00.2  | 91 38 57.7  | 1,546   |
| Crossroads -----   | 38 09 52.8  | 91 38 41.3  | 1,506   |
| Crossroads -----   | 38 09 39.0  | 91 37 35.4  | 5,449   |
| High Gate, 4 mi. E. of, center sec. 32, T. 40 N.,<br>R. 6 W., 205 ft. W. of T-rd. N., 27 ft. S. and<br>19 ft. W. from T-rd. S., in concrete post;<br>standard tablet stamped "T T 65 B 1932 985" --  | 38 09 37.55 | 91 37 02.13 | 2,660   |
| Rd. fork N. -----  | 38 09 41.1  | 91 36 25.0  | 2,986   |
| Crossroads -----   | 38 09 45.0  | 91 34 48.6  | 7,711   |
| High Gate, 7.8 mi. E. of, in NE 1/4 sec. 35,<br>T. 40 N., R. 6 W., 24 ft. N. of junction of<br>rd. E., 51 ft. E. of rd. N., opposite dwelling<br>of T. F. Bowen, 2 ft. S. of barnyard fence, in<br>concrete post; standard tablet stamped "T T 66<br>B 1932 861" -----   | 38 09 48.60 | 91 33 18.53 | 7,204   |
| T. 40 N., R. 6 W., cor. secs. 25, 26, 35, and 36,<br>walnut tree in E.-W. fence line -----   | 38 10 01.4  | 91 33 09.4  | 1,488   |
| Bowen Cemetery, NW. corner of -----  | 38 09 58.3  | 91 32 50.2  | 1,567   |
| Rd. forks -----  | 38 10 15.4  | 91 32 37.1  | 2,017   |
| Rd. corner from W.-S. at fence N. on Crawford-<br>Gasconade county line -----  | 38 10 15.8  | 91 32 05.3  | 2,540   |
| Rd. corner from S.-E. at dim rd. N. -----  | 38 10 14.3  | 91 31 49.4  | 1,276   |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Rd. corner from W.-N. -----   | 38 10 14.2  | 91 31 16.5  | 2,630    |
| T-rd. N. -----  | 38 10 27.4  | 91 31 00.3  | 1,858    |
| Jake Prairie, 1 mi. N. of, W. sixteenth cor.<br>secs. 29, T. 40 N., R. 5 W., 43 ft. N. and<br>10 ft. W. from T-rd. S., 55 ft. SW. of Jake<br>Prairie School, in concrete post; standard<br>tablet stamped "T T 67 B 1932 961" ----- | 38 10 27.92 | 91 30 43.85 | 1,311    |

(Continued in Cuba quadrangle; see line 3.)

5. FROM BLAND QUADRANGLE SOUTH ALONG STATE HIGHWAY 28 TO SEC. 30, T. 40 N., R. 7 W., THENCE SOUTH ALONG ROADS TO SEC. 6, T. 39 N., R. 7 W. (by R. R. Boswell, Jr. in 1933)

(Continued from Bland quadrangle; see line 7.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Highway at fences E. and W. on line between<br>secs. 4 and 33, Tps. 40 and 41 N., R. 7 W. ----  | 38 14 43.8  | 91 43 05.5  | (1,854) |
| Crossroad -----   | 38 14 33.5  | 91 43 03.1  | 1,062   |
| Highway at fences E. and W. -----   | 38 14 20.4  | 91 43 10.6  | 1,445   |
| Highway at fence W. -----   | 38 14 07.6  | 91 43 10.4  | 1,302   |
| Highway at fence E. -----   | 38 13 54.4  | 91 43 10.3  | 1,330   |
| Lanes Prairie, about 3.9 mi. N. of, along State<br>Highway 28, cor. secs. 4, 5, 8, and 9,<br>T. 40 N., R. 7 W., 20 ft. N. and 45 ft. W. from<br>crossroad, 5 ft. N. and 2 ft. W. from fence<br>corner, in concrete post; standard tablet<br>stamped "T T 3 B 1933 1036" -----                 | 38 13 40.93 | 91 43 10.71 | 1,365   |
| T. 40 N., R. 7 W., quarter cor. between secs. 8<br>and 9, E. fence corner -----   | 38 13 14.2  | 91 43 09.4  | 2,703   |
| Junction of private rd. E. -----  | 38 13 00.9  | 91 43 09.8  | 1,347   |
| Junction of rd. W., 30 ft. W. of cor. secs. 8, 9,<br>16, and 17, T. 40 N., R. 7 W. -----  | 38 12 47.7  | 91 43 10.0  | 1,338   |
| Crossroad -----   | 38 12 15.4  | 91 43 17.7  | 3,319   |
| Junction of rd. E. -----  | 38 11 55.1  | 91 43 22.7  | 2,096   |
| Lanes Prairie, 70 ft. S. of stone at quarter cor.<br>between secs. 20 and 29, T. 40 N., R. 7 W.,<br>63 ft. W. of State Highway 28 at crossroad,<br>2 ft. N. and 3 ft. W. from fence corner, in<br>yard of W. D. Woodruff, in concrete post;<br>standard tablet stamped "T T 4 B 1933 1047" -- | 38 11 01.91 | 91 43 41.69 | 5,589   |
| T. 40 N., R. 7 W., cor. secs. 15, 20, 29, and 30,<br>crossroads -----   | 38 11 03.0  | 91 44 15.8  | 2,729   |
| Crossroads -----  | 38 10 30.1  | 91 44 15.1  | 3,326   |
| T-rd. E., 24 ft. E. of stone at cor. secs. 29,<br>30, 31, and 32, T. 40 N., R. 7 W. -----   | 38 10 10.0  | 91 44 14.4  | 2,038   |
| T. 40 N., R. 7 W., quarter cor. between secs. 31<br>and 32, rd. at fences E. and W. -----   | 38 09 43.6  | 91 44 14.1  | 2,667   |
| Rd. at fences E. and W. -----   | 38 09 30.2  | 91 44 13.8  | 1,360   |
| T. 40 N., R. 7 W., S. cor. secs. 31 and 32,<br>T-rd. N. -----   | 38 09 16.9  | 91 44 13.6  | 1,340   |
| Lanes Prairie, 2.5 mi. S. of, 0.2 mi. S. of N.<br>quarter cor. sec. 6, T. 39 N., R. 7 W., 44 ft.<br>N. and 27 ft. E. from T-rd. E., 2 ft. S. and<br>5 ft. E. from corner of garden of Sarah Walker,<br>in concrete post; standard tablet stamped "T T<br>5 B 1933 1102" -----                 | 38 09 05.05 | 91 43 55.32 | 1,890   |
| Rd. at fence W. -----   | 38 08 31.5  | 91 43 56.0  | 3,398   |
| T-rd. W. -----  | 38 08 12.0  | 91 43 56.2  | 1,970   |
| T T 62 B 1932 1136 (previously described) -----   | 38 07 46.89 | 91 43 55.66 | 2,540   |

6. FROM BLAND QUADRANGLE AT SEC. 35, T. 41 N., R. 6 W., SOUTH AND EAST INTO CUBA QUADRANGLE AT SEC. 32, T. 41 N., R. 5 W. (by R. R. Boswell, Jr. in 1933)

(Continued from Bland quadrangle; see line 6.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Rd. at old fence E. -----  | 38 14 35.2  | 91 33 15.3  | (2,518) |
| Dry Fork Creek, concrete column about 2 ft. above<br>ground on N. side of -----  | 38 14 19.8  | 91 33 15.2  | 1,560   |
| Center of triangle at rd. fork E. -----  | 38 13 58.4  | 91 33 05.8  | 2,298   |
| T. 40 N., R. 6 W., in SE 1/4 sec. 1, 1.1 mi. SE.<br>of ford across Dry Fork Creek, 4 ft. N. and<br>18 ft. E. from rd. forks, inside field fence,<br>in concrete post; standard tablet stamped "T T<br>10 J 1933" ----- | 38 13 40.45 | 91 32 34.11 | 3,111   |
| Rd. fork E. -----  | 38 14 19.8  | 91 32 23.5  | 4,069   |
| Rd. at fence S. -----  | 38 14 20.2  | 91 32 08.7  | 1,180   |
| T-rd. S. -----   | 38 14 25.4  | 91 31 22.7  | 3,705   |
| Rd. at fence N. -----  | 38 14 25.3  | 91 31 05.4  | 1,381   |
| Center of culvert -----  | 38 14 32.2  | 91 30 42.5  | 1,961   |
| Rd. opposite mail boxes at rd. fork S. -----   | 38 14 41.2  | 91 30 20.0  | 2,010   |

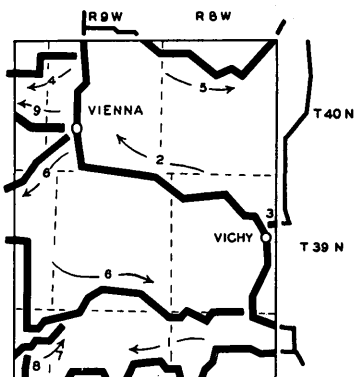
(Continued in Cuba quadrangle; see line 4.)

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 7. FROM CUBA QUADRANGLE WEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO SEC. 6,<br>T. 38 N., R. 5 W. (by C. D. Craig in 1935)<br>(Continued from Cuba quadrangle; see line 9.) |             |             |          |
| R.R. at semaphore -----  | 38 02 22.4  | 91 30 13.8  | (2,007)  |
| Fence corner -----   | 38 02 14.2  | 91 30 57.4  | 3,564    |
| Hughes triangulation sta.; U.S.C. & G.S. standard<br>disk stamped "Hughes" -----   | 38 02 26.88 | 91 30 50.60 | 1,397    |

Magnetic declination in 1934, 6° E.

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

Maries and Phelps Counties



1. FROM REDBIRD QUADRANGLE AT SEC. 13, T. 38 N., R. 8 W., WEST AND SOUTH INTO  
ROLLA QUADRANGLE AT SEC. 20, T. 38 N., R. 9 W. (by J. R. Ellis in 1908)  
(Continued from Redbird quadrangle; see line 1.)

| Station   | Latitude   | Longitude  | Distance |
|---|------------|------------|----------|
|   | ° ' "      | ° ' "      | Feet     |
| Macedonia, SE. corner of porch to Brewster's<br>store -----   | 38 01 21.9 | 91 46 13.8 | (6,961)  |
| T. 38 N., R. 8 W., cor. secs. 10, 11, 14, and 15-<br>T. 38 N., R. 8 W., quarter cor. between secs. 9<br>and 16, stone -----   | 38 01 26.0 | 91 47 03.9 | 4,030    |
| Corner fence post at rd. fork W. near Carney<br>dwelling -----  | 38 01 24.1 | 91 48 42.6 | 7,908    |
| Rd. forks near blazed black-oak tree (in Rolla<br>quadrangle) -----   | 38 00 40.8 | 91 48 41.6 | 4,380    |
| T. 38 N., R. 8 W., quarter cor. between secs. 17<br>and 20 -----  | 37 59 52.0 | 91 49 18.6 | 5,757    |
| Rd. forks -----   | 38 00 30.2 | 91 49 48.8 | 4,558    |
| Rd. forks, 15 ft. W. of blazed post-oak tree at<br>Hawthorne dwelling -----   | 38 00 28.6 | 91 50 55.2 | 5,318    |
| T. 38 N., R. 9 W., W. sixteenth cor. sec. 13,<br>10 ft. S. and 20 ft. W. from T-rd. N.,<br>aluminum tablet stamped "Prim Trav Sta No 2<br>1908 Mo" -----                  | 38 00 44.5 | 91 51 27.3 | 3,031    |
| T. 38 N., R. 8 W., quarter cor. between secs. 13<br>and 24, stone at T-rd. N. -----   | 38 00 54.9 | 91 52 16.8 | 4,107    |
| T. 38 N., R. 9 W., center sec. 23, stone -----  | 38 00 55.0 | 91 52 33.5 | 1,337    |
| SE. corner of Turners Mill (in Rolla quadrangle)-<br>T. 38 N., R. 9 W., quarter cor. between secs. 26<br>and 27, fence corner at rd. forks (in Rolla<br>quadrangle) ----- | 38 00 03.7 | 91 53 07.8 | 5,874    |
| Cave Creek, just W. of, rd. on line between<br>secs. 20 and 21, T. 38 N., R. 9 W. -----   | 37 59 48.1 | 91 53 10.2 | 1,590    |
| T-rd. S. at dwelling of Pet Williams -----  | 37 59 12.2 | 91 53 41.7 | 4,421    |
| Intersection of Perkins ford and Newburg rds.,<br>about 0.8 mi. W. of dwelling of Pet Smith -----   | 38 00 09.7 | 91 55 51.2 | 11,886   |
| Rd. forks, about 200 ft. N. of log cabin (in<br>Rolla quadrangle) -----   | 38 00 10.4 | 91 56 05.0 | 1,107    |
|   | 38 00 07.7 | 91 56 52.7 | 3,836    |
|   | 37 59 46.9 | 91 57 35.7 | 4,034    |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 2. FROM REDBIRD QUADRANGLE AT SEC. 12, T. 38 N., R. 8 W., WEST TO SEC. 11, T. 38 N., R. 8 W., THENCE NORTH ALONG U.S. HIGHWAY 63 INTO LINN QUADRANGLE (by W. R. Broadus in 1932)   |             |             |          |
| (Continued from Redbird quadrangle; see line 3.)   |             |             |          |
| T-rd. S. -----   | 38 01 25.0  | 91 45 41.0  | (4,166)  |
| Vichy, 6.7 mi. S. of, along U.S. Highway 63, in NW 1/4 NE 1/4 sec. 14, T. 38 N., R. 8 W., about 0.2 mi. SW. of Macedonia Church, 350 ft. W. of N.-S. rd., about 280 ft. NW. of farmhouse of C. D. Brewster, 15 ft. S. and 33 ft. E. from junction of rd. E., in concrete post; standard tablet stamped "T T 20 B 1932 962" ----- | 38 01 21.19 | 91 46 17.94 | 2,976    |
| Junction of rd. W. -----   | 38 01 52.7  | 91 46 08.6  | 3,275    |
| Junction of rd. E. -----   | 38 02 18.5  | 91 46 15.0  | 2,662    |
| Junction of rd. W. on Maries-Phelps county line - Vichy, 3.9 mi. S. of, along U.S. Highway 63, near center sec. 35, T. 39 N., R. 8 W., 22 ft. N. and 30 ft. W. from junction of rd. W. to Veto, 2 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 21 B 1932 1157" -----                    | 38 03 09.1  | 91 46 29.8  | 5,254    |
| Crossroad -----  | 38 03 35.15 | 91 46 29.54 | 2,639    |
| Junction of rd. SW. -----  | 38 04 22.1  | 91 46 11.9  | 4,954    |
| Crossroad -----  | 38 04 59.0  | 91 45 54.8  | 3,972    |
| Vichy, on U.S. Highway 63, 550 ft. S. of post office, near top of hill, 27 ft. S. and 33 ft. E. from crossroad, in concrete post; standard tablet stamped "T T 22 B 1932 1118" -----   | 38 05 47.4  | 91 45 33.9  | 5,179    |
| Junction of State Highway 68 -----   | 38 06 36.56 | 91 45 37.57 | 4,976    |
| Junction of rd. N. -----   | 38 07 04.2  | 91 46 11.9  | 3,040    |
| Junction of rd. SW. -----  | 38 07 04.9  | 91 45 53.8  | 1,119    |
| Junction of rd. N. -----   | 38 07 24.8  | 91 46 41.0  | 4,279    |
| Vichy, 2.3 mi. NW. of, along U.S. Highway 63, 60 ft. E. of filling sta., 25 ft. S. and 10 ft. E. from junction of rd. W., in concrete post; standard tablet stamped "T T 23 B 1932 1108" -----   | 38 07 28.6  | 91 47 00.0  | 1,565    |
| Highway in saddle of ridge between concrete drains across shoulders -----  | 38 07 32.74 | 91 47 32.79 | 2,652    |
| Junction of rd. N. at top of high hill -----   | 38 08 03.8  | 91 48 02.4  | 3,931    |
| Junction of rd. SW. to farmhouse -----   | 38 08 22.9  | 91 48 29.1  | 2,883    |
| Crossroad -----  | 38 08 25.8  | 91 49 45.0  | 6,137    |
| Vichy, 6 mi. NW. of, along U.S. Highway 63, 2.9 mi. SE. of bridge over Gasconade River, 28 ft. N. of junction of rd. SW. to farm of J. M. Hedges, in concrete post; standard tablet stamped "T T 24 B 1932 862" -----  | 38 08 25.8  | 91 50 15.1  | 2,494    |
| Junction of rd. W. -----   | 38 08 14.09 | 91 50 26.94 | 1,514    |
| Junction of private lane S. -----  | 38 08 16.3  | 91 51 08.5  | 3,328    |
| Junction of rd. S. at crossroad -----  | 38 08 47.5  | 91 51 25.5  | 3,433    |
| Vienna, 6.3 mi. SE. of, along U.S. Highway 63, on W. end of NW. abutment of bridge over Gasconade River; standard tablet stamped "T T 25 B 1932 694" -----   | 38 08 50.2  | 91 51 41.6  | 1,678    |
| Junction of rd. N. -----   | 38 09 26.22 | 91 52 26.52 | 4,572    |
| Junction of rd. N. -----   | 38 09 19.0  | 91 53 13.4  | 3,812    |
| Junction of rd. N. -----   | 38 09 13.8  | 91 53 44.1  | 2,509    |
| Crossroad -----  | 38 09 08.0  | 91 54 34.0  | 4,031    |
| Vienna, 2.7 mi. S. of, along U.S. Highway 63, 40 ft. S. and 10 ft. W. from SE. point of triangle at S. junction of State Highway 28, in concrete post; standard tablet stamped "T T 26 B 1932 880" -----   | 38 09 05.07 | 91 55 59.56 | 6,842    |
| N. junction of State Highway 28 and rd. N. -----   | 38 09 17.8  | 91 56 18.2  | 1,964    |
| Junction of rd. N. -----   | 38 10 28.5  | 91 56 48.4  | 7,553    |
| Vienna, at SW. corner of courthouse yard, in concrete post; standard tablet stamped "T T 27 B 1932 873" -----  | 38 11 06.31 | 91 56 50.74 | 3,830    |
| Junction of rd. W. to Tavern -----   | 38 11 10.7  | 91 56 54.9  | 555      |
| Vienna, center of cross on spire of Catholic Church -----  | 38 11 11.1  | 91 56 49.4  | 441      |
| Junction of rd. N. to Argyle -----   | 38 11 53.8  | 91 56 44.1  | 4,335    |
| Junction of rd. N. -----   | 38 13 07.0  | 91 56 36.4  | 7,426    |
| Vienna, 3.6 mi. N. of, along U.S. Highway 63, 55 ft. S. of junction of rd. SE. to Little Flock School, 30 ft. E. of side rd., in concrete post; standard tablet stamped "T T 28 B 1932 894" -----  | 38 13 52.37 | 91 56 15.00 | 4,901    |
| Junction of rd. E. -----   | 38 14 11.8  | 91 56 02.3  | 2,207    |
| Junction of rd. W. -----   | 38 14 24.9  | 91 56 01.2  | 1,301    |

(Continued in Linn quadrangle; see line 1.)

| Station  | Latitude | Longitude | Distance |
|--|----------|-----------|----------|
|  | ° ' "    | ° ' "     | Feet     |
| 3. FROM VICHY EAST INTO REDBIRD QUADRANGLE AT SEC. 12, T. 39 N., R. 8 W.<br>(by W. R. Broadus in 1932) |          |           |          |

|   |            |            |       |
|---|------------|------------|-------|
| Junction of State Highway 68 (previously described) ----- | 38 07 04.2 | 91 45 52.6 | ..... |
| Rd. junction -----  | 38 07 07.6 | 91 45 20.7 | 2,572 |

(Continued in Redbird quadrangle; see line 4.)

## 4. FROM SEC. 4, T. 40 N., R. 9 W., WEST INTO TAVERN QUADRANGLE AT SEC. 11, T. 40 N., R. 10 W. (by W. R. Broadus in 1932)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 28 B 1932 894 (previously described) -----   | 38 13 52.37 | 91 56 15.00 | ..... |
| U.S. Highway 63 at rd. E. (previously described) -----   | 38 14 11.8  | 91 56 02.3  | 2,207 |
| U.S. Highway 63 at rd. W. -----  | 38 14 24.8  | 91 56 01.0  | 1,317 |
| T-rd. W. -----   | 38 14 36.0  | 91 56 32.5  | 2,755 |
| Vienna, 4.5 mi. NW. of, along creek rd. to Argyle, at approximate quarter cor. between secs. 1 and 6, T. 40 N., R. 9 and 10 W., 180 ft. SE. of junction of rd. NE., 57 ft. S. and 63 ft. E. from rd. in front of dwelling of H. J. Stratman, 3 ft. W. of board fence around barnyard, in concrete post; standard tablet stamped "1 J 1932 714" ----- | 38 14 14.63 | 91 58 30.14 | 9,632 |
| Center of ford across creek -----  | 38 13 48.5  | 91 58 23.9  | 2,688 |
| Rd. forks -----  | 38 13 32.5  | 91 58 35.3  | 1,859 |
| Rd. corner from S.-W. -----  | 38 13 44.2  | 91 59 34.8  | 4,894 |
| Rd. fork N. (in Tavern quadrangle) -----   | 38 13 43.7  | 92 00 08.3  | 2,672 |

5. FROM LINN QUADRANGLE AT SEC. 36, T. 41 N., R. 9 W., EAST AND NORTH INTO LINN QUADRANGLE AT SEC. 31, T. 41 N., R. 7 W. (by G. N. Tex in 1933)  
(Continued from Linn quadrangle; see line 5.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Rd. corner from N.-E. -----  | 38 14 46.6  | 91 51 57.2  | (2,594) |
| Fence corner about 400 ft. N. of curve in rd. and about 300 ft. W. of church near cemetery -----   | 38 14 45.6  | 91 51 03.4  | 4,293   |
| Franklin School, in NE 1/4 sec. 5, T. 40 N., R. 8 W., about 400 ft. SW. of schoolhouse, 15 ft. N. and 20 ft. W. from Paydown Road at rd. S., 2 ft. N. of fence, in concrete post; standard tablet stamped "T T 2 T 1933 823" -----                                       | 38 14 32.68 | 91 50 15.00 | 4,075   |
| T-rd. S. -----   | 38 14 06.1  | 91 49 55.5  | 3,110   |
| Triangular-blazed 24-in. oak tree near dwelling on ridge -----   | 38 13 52.4  | 91 49 20.0  | 3,150   |
| Triangular-blazed 36-in. sycamore tree on W. bank of Gasconade River about 60 ft. N. of Paydown ford -----   | 38 13 53.4  | 91 48 49.8  | 2,413   |
| Paydown, at W. edge of, 75 ft. N. and 100 ft. W. from stone at quarter cor. between secs. 3 and 10, T. 40 N., R. 8 W., 3 ft. S. and 35 ft. E. from E. point of triangle at rd. fork S., 15 ft. S. of rd., in concrete post; standard tablet stamped "T T 3 T 1933" ----- | 38 13 43.08 | 91 48 14.19 | 3,026   |
| Junction of private rd. N. at gate -----   | 38 13 42.7  | 91 47 32.2  | 3,348   |
| Junction of private rd. N. to old dwelling -----   | 38 13 33.1  | 91 46 39.8  | 4,297   |
| Rd. at triangular-blazed 12-in. oak tree -----   | 38 13 50.5  | 91 46 07.0  | 3,154   |
| Belle, 4.4 mi. S. of, along Belle-Paydown rd., in W 1/2 sec. 6, T. 40 N., R. 7 W., 43 ft. S. and 19 ft. E. from junction of private rd. to old dwelling, 20 ft. N. of 12-in. oak tree, in concrete post; standard tablet stamped "T T 4 T 1933 1043" -----               | 38 14 09.97 | 91 45 11.41 | 4,851   |
| Junction of dim rd. -----  | 38 14 42.9  | 91 45 12.6  | 3,336   |

(Continued in Bland quadrangle; see line 3.)

## 6. FROM VIENNA SOUTHWEST AND SOUTH TO SEC. 1, T. 38 N., R. 10 W., THENCE EAST TO SEC. 35, T. 39 N., R. 8 W. (by C. D. Craig in 1934 and 1936)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 27 B 1932 873 (previously described) -----  | 38 11 06.31 | 91 56 50.74 | ..... |
| T. 40 N., R. 9 W., W. sixteenth cor. sec. 29 -----  | 38 10 45.0  | 91 57 12.1  | 2,750 |
| Fly Creek, center of concrete overflow bridge over -----  | 38 10 03.3  | 91 57 42.5  | 4,870 |
| Rd. at culvert -----  | 38 09 56.2  | 91 57 59.2  | 1,520 |
| Rd. at culvert -----  | 38 09 50.2  | 91 58 16.5  | 1,510 |
| T. 40 N., R. 10 W., 520 ft. E. of probable S. quarter cor. sec. 36, 2.9 mi. SW. of Vienna, 40 ft. W. of rd., in concrete post; standard tablet stamped "T T 325 C W A 1934" ----- | 38 09 27.81 | 91 58 53.55 | 3,730 |
| T-rd. -----   | 38 09 13.9  | 91 59 31.8  | 3,360 |
| Rd. junction -----  | 38 08 59.0  | 91 59 38.3  | 1,600 |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Land corner in NW 1/4 sec. 2, T. 39 N., R. 10 W. -  | 38 08 51.0  | 91 59 49.4  | 1,200    |
| Land corner in NW 1/4 sec. 2, T. 39 N., R. 10 W. (in Tavern quadrangle) -----   | 38 08 37.8  | 91 00 07.0  | 1,935    |
| S. end of culvert (in Tavern quadrangle) -----  | 38 06 32.9  | 92 00 03.3  | .....    |
| State Highway 28 at junction of rd. to Hayden ---   | 38 06 25.8  | 91 59 27.8  | 2,930    |
| Rd. at crossing of pipe line -----  | 38 05 53.6  | 91 59 04.0  | 3,770    |
| T. 39 N., R. 10 W., cor. secs. 13, 14, 23, and 24, stone -----  | 38 05 47.0  | 91 59 01.9  | 690      |
| Rd. at crossing of pipe line -----  | 38 05 15.9  | 91 59 02.4  | 3,145    |
| Dry Creek, ford across -----  | 38 04 45.1  | 91 59 04.2  | 3,120    |
| T. 39 N., R. 10 W., quarter cor. between secs. 25 and 26, stone -----   | 38 04 32.2  | 91 59 02.7  | 1,320    |
| Hayden, 0.5 mi. W. of, quarter cor. between secs. 25 and 26, T. 39 N., R. 10 W., 695 ft. S. and 55 ft. W. from stone, 90 ft. S. and 25 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T 327 C W A 1934" ----- | 38 04 25.32 | 91 59 03.51 | 695      |
| T. 39 N., R. 10 W., approximate quarter cor. between secs. 35 and 36 -----  | 38 03 37.0  | 91 59 03.4  | 4,890    |
| Tps. 38 and 39 N., R. 10 W., approximate cor. secs. 1, 2, 35, and 36, white-oak tree at fence corner -----  | 38 03 10.9  | 91 59 03.9  | 2,640    |
| T. 38 N., R. 10 W., quarter cor. between secs. 1 and 2, 2 mi. S. of Hayden, 12 ft. S. and 132 ft. E. from T-rd. N., in concrete post; standard tablet stamped "T T 328 C W A 1934" --   | 38 02 44.20 | 91 59 03.19 | 2,705    |
| T. 38 N., R. 10 W., center sec. 1, junction of lane -----   | 38 02 43.4  | 91 58 31.3  | 2,555    |
| T. 38 N., Rs. 9 and 10 W., quarter cor. between secs. 1 and 6 -----   | 38 02 42.7  | 91 57 58.0  | 2,665    |
| Rd. junction -----  | 38 02 33.7  | 91 57 33.4  | 2,170    |
| T. 38 N., R. 9 W., N. sixteenth cor. sec. 6, 440 ft. S. and 110 ft. E. from, 2 mi. S., thence 1.5 mi. E. from Hayden, 40 ft. (? 46 ft.) E. of rd. forks, in concrete post; standard tablet stamped "T T 329 C W A 1934" --        | 38 02 48.74 | 91 57 23.59 | 1,710    |
| Rd. junction -----  | 38 02 58.5  | 91 56 33.6  | 4,120    |
| T. 39 N., R. 9 W., center of SE 1/4 sec. 32, stone -----  | 38 03 20.2  | 91 56 02.0  | 3,340    |
| T. 39 N., R. 9 W., approximate quarter cor. between secs. 32 and 33 -----   | 38 03 32.7  | 91 55 44.8  | 1,870    |
| T. 39 N., R. 9 W., quarter cor. between secs. 33 and 34 -----   | 38 03 31.4  | 91 54 39.6  | 5,220    |
| Stickney, 2 mi. E., thence 0.5 mi. S. from, in NW 1/4 NE 1/4 sec. 34, T. 39 N., R. 9 W., 38 ft. N. and 24 ft. E. from rd. forks, in concrete post; standard tablet stamped "T T 330 C W A 1934" -----                             | 38 03 51.88 | 91 53 52.45 | 4,310    |
| Gasconade River, center of Gaines ford across, near Nagogami Lodge -----  | 38 03 40.1  | 91 53 31.6  | 2,050    |
| T. 39 N., R. 9 W., center of NW 1/4 sec. 35, iron pin -----   | 38 03 43.9  | 91 53 17.9  | 1,165    |
| T-rd. N. -----  | 38 03 12.5  | 91 52 04.0  | 6,710    |
| T-rd. N. -----  | 38 02 58.9  | 91 51 39.3  | 2,410    |
| Nagogami Lodge, 2.5 mi. SE. of, near approximate quarter cor. between secs. 1 and 6, T. 38 N., Rs. 8 and 9 W., 43 ft. N. of rd., in concrete post; standard tablet stamped "T T 331 C W A 1934" -----                             | 38 02 40.75 | 91 51 24.33 | 2,190    |
| Rd. forks -----   | 38 02 46.2  | 91 50 36.2  | 3,890    |
| T. 38 N., R. 8 W., N. cor. secs. 5 and 6 -----  | 38 03 02.8  | 91 50 20.1  | 2,110    |
| T-rd. -----   | 38 02 56.5  | 91 49 40.0  | 3,270    |
| Veto, 1 mi. S. and 2 mi. W. from, 48 ft. W. of stone at N. quarter cor. sec. 4, T. 38 N., R. 8 W., 90 ft. W. of T-rd. N., in concrete post; standard tablet stamped "T T 332 C W A 1934" -----                                    | 38 03 05.78 | 91 48 42.72 | 4,680    |
| Rd. forks -----   | 38 03 07.1  | 91 47 52.1  | 4,050    |
| Rd. forks -----   | 38 03 12.6  | 91 47 23.5  | 2,350    |
| Crossroads -----  | 38 03 14.1  | 91 47 08.9  | 1,180    |
| T T 21 B 1932 1157 (previously described) -----   | 38 03 35.15 | 91 46 29.54 | 3,800    |

7. FROM TAVERN QUADRANGLE AT SEC. 14, T. 38 N., R. 10 W., NORTHEAST TO SEC. 6, T. 38 N., R. 9 W. (by Lee D. Dumm in 1934)

|   |             |             |       |
|---|-------------|-------------|-------|
| Transmission-line tower 904 (in Tavern quadrangle) -----  | 38 01 26.0  | 92 00 07.8  | ..... |
| T. 38 N., R. 10 W., approximate quarter cor. between secs. 11 and 14 -----  | 38 01 27.7  | 91 59 37.6  | 2,420 |
| Dixon, 7.8 mi. NE. of, in SW 1/4 SE 1/4 sec. 11, T. 38 N., R. 10 W., 25 ft. E. of Cliftydale rd., 2 ft. W. of wire fence, in concrete post; standard tablet stamped "T T 320 C W A 1934" -- | 38 01 31.77 | 91 59 27.24 | 930   |
| Center of triangle at T-rd. -----   | 38 01 35.8  | 91 59 04.7  | 1,850 |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Rd. forks -----                                 | 38 01 52.8  | 91 58 47.4  | 2,220    |
| NE. corner of dwelling of Emit Nelson -----     | 38 02 02.4  | 91 57 51.0  | 4,610    |
| T T 329 C W A 1934 (previously described) ----- | 38 02 48.74 | 91 57 23.59 | 5,190    |

8. FROM ROLLA QUADRANGLE AT SEC. 24, T. 38 N., R. 10 W., NORTH TO SEC. 11, T. 38 N., R. 10 W. (by H. W. Gross in 1935)

|   |             |             |       |
|---|-------------|-------------|-------|
| Rd. at gate in E.-W. fence (in Rolla quadrangle)- | 37 59 43.0  | 91 58 40.0  | ..... |
| Rd. at gate in N.-S. fence -----                  | 38 00 28.6  | 91 59 21.3  | 5,675 |
| Rd. at gate in N.-S. fence -----                  | 38 00 38.8  | 91 59 54.3  | 2,839 |
| T T 320 C W A 1934 (previously described) -----   | 38 01 31.77 | 91 59 27.24 | 5,785 |

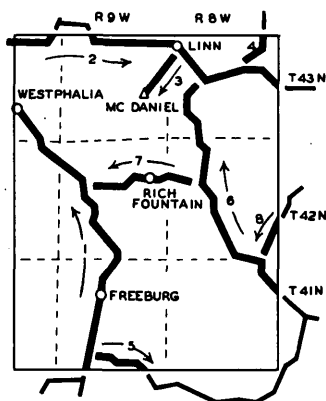
9. FROM VIENNA WEST ALONG COUNTY ROUTE A INTO TAVERN QUADRANGLE (by C. D. Craig in 1936)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 27 B 1932 873 (previously described) -----   | 38 11 06.31 | 91 56 50.74 | ..... |
| Junction of rd. S. -----   | 38 11 11.1  | 91 57 11.9  | 1,760 |
| Center of concrete bridge -----  | 38 11 17.4  | 91 58 01.3  | 3,996 |
| Vienna, 1.8 mi. W. of, along State Highway 42<br>(County Route A), cor. secs. 19, 24, 25, and<br>30, T. 40 N., Rs. 9 and 10 W., 978 ft. S. and<br>27 ft. E. from fence corner, 35 ft. N. of<br>highway, in front of dwelling of John Brendel,<br>in concrete post; U.S.C. & G.S. and State<br>Survey standard disk stamped "T T 306 C W A<br>1934" ----- | 38 11 02.49 | 91 58 33.36 | 2,970 |
| Vienna, 2 mi. W. of, along State Highway 42<br>(County Route A), in NE 1/4 sec. 25, T. 40 N.,<br>R. 10 W., 150 ft. S. of highway between two<br>northernmost trees in row of cedar trees, in<br>concrete post; U.S.C. & G.S. and State Survey<br>standard disk stamped "T T 307 C W A 1934" -----  | 38 11 03.14 | 91 58 44.70 | 909   |
| Maries River, center of bridge over -----  | 38 11 09.1  | 91 59 09.2  | 2,046 |
| T T 308 C W A 1934 (in Tavern quadrangle) -----  | 38 11 28.77 | 92 00 30.61 | 6,800 |

Magnetic declination 5° 30' E.

LINN QUADRANGLE  
(Latitude 38°15'-38°30'; longitude 91°45'-92°00')

Maries and Osage Counties



1. FROM VIENNA QUADRANGLE NORTH ALONG U.S. HIGHWAY 63 INTO META QUADRANGLE AT WESTPHALIA (by W. R. Broadus in 1932)  
(Continued from Vienna quadrangle; see line 2.)

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Junction of rd. W. -----   | 38 15 11.8  | 91 55 55.8  | (4,795)  |
| Freeburg, 4.3 mi. S. of, along U.S. Highway 63,<br>in SW 1/4 sec. 28, T. 41 N., R. 9 W., 45 ft.<br>S. and 20 ft. W. from junction of Pay Down<br>Road E., 3 ft. E. of fence, in concrete post;<br>standard tablet stamped "T T 29 B 1932 956" -- | 38 15 51.57 | 91 56 03.37 | 4,067    |
| Junction of private rd. S. to farmhouse of<br>J. B. Clark -----  | 38 16 28.5  | 91 55 52.4  | 3,839    |



| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Freeburg, 2.2 mi. S. of, along U.S. Highway 63, on line between secs. 16 and 21, T. 41 N., R. 9 W., 30 ft. N. and 94 ft. E. from junction of rd. W. on Maries-Osage county line, 10 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 30 B 1932 923" -----          | 38 17 22.92 | 91 55 40.81 | 5,579    |
| Junction of rd. NE. -----  | 38 17 54.3  | 91 55 20.2  | 3,570    |
| Junction of rd. SE. -----  | 38 18 12.7  | 91 55 08.0  | 2,105    |
| Freeburg, center of cross on NE. spire of Catholic Church -----  | 38 18 53.9  | 91 55 24.5  | 4,366    |
| Freeburg, at N. limits of, on U.S. Highway 63, 0.4 mi. N. of Catholic Church, 5 ft. N. and 35 ft. E. from junction of rd. W. to Argyle, in concrete post; standard tablet stamped "T T 31 B 1932 895" -----  | 38 19 15.07 | 91 55 22.53 | 2,149    |
| Junction of rd. NE. -----  | 38 19 51.0  | 91 54 38.8  | 5,036    |
| Crossroad -----  | 38 20 02.8  | 91 54 38.4  | 1,190    |
| Junction of rd. SE. -----  | 38 20 24.3  | 91 54 41.9  | 2,198    |
| Freeburg, 3 mi. N. of, along U.S. Highway 63, in SW 1/4 sec. 27, T. 42 N., R. 9 W., 45 ft. E. of junction of rd. N., 17 ft. S. of telephone pole, in concrete post; standard tablet stamped "T T 32 B 1932 857" -----  | 38 21 09.03 | 91 55 11.20 | 5,089    |
| Junction of rd. W. -----   | 38 21 28.8  | 91 55 34.2  | 2,710    |
| Junction of rd. NE. to Rich Fountain -----   | 38 21 45.0  | 91 55 30.9  | 1,657    |
| Junction of rd. N. -----   | 38 22 38.4  | 91 56 00.0  | 5,878    |
| Junction of rd. NW. -----  | 38 22 49.4  | 91 56 02.7  | 1,135    |
| Westphalia, 5.7 mi. S. of, along U.S. Highway 63, 6.1 mi. N. of Freeburg, in SE 1/4 NW 1/4 sec. 16, T. 42 N., R. 9 W., 33 ft. S. and 19 ft. W. from junction of rd. E. to Rich Fountain, in concrete post; standard tablet stamped "T T 33 B 1932 884" (new description and position) -- | 38 23 18.06 | 91 55 53.89 | 2,984    |
| Highway in front of filling sta. -----   | 38 23 40.0  | 91 56 42.5  | 4,461    |
| Junction of rd. S. -----   | 38 23 51.3  | 91 57 01.8  | 1,918    |
| Junction of rd. S. -----   | 38 24 11.7  | 91 57 28.0  | 2,933    |
| Junction of rd. S. -----   | 38 24 15.4  | 91 57 44.9  | 1,399    |
| Westphalia, 2.9 mi. SE. of, along U.S. Highway 63, in SE 1/4 SE 1/4 sec. 1, T. 42 N., R. 10 W., 121 ft. N. and 42 ft. E. from highway at rd. SW., 21 ft. N. of gatepost, 5 ft. W. of fence, in concrete post; standard tablet stamped "T T 34 B 1932 842" -----                          | 38 24 31.73 | 91 58 17.39 | 3,067    |
| Junction of rd. W. -----   | 38 24 53.3  | 91 58 33.9  | 2,548    |
| Junction of rd. N. -----   | 38 25 11.6  | 91 58 40.0  | 1,911    |
| Maries Creek, center of bridge over -----  | 38 25 54.4  | 91 59 19.5  | 5,351    |
| Westphalia, cross on spire of Catholic Church -----  | 38 26 25.3  | 91 59 46.0  | 3,775    |
| T T 35 B 1932 (in Meta quadrangle) -----   | 38 26 35.34 | 92 00 10.38 | 2,186    |

2. FROM META QUADRANGLE EAST ALONG U.S. HIGHWAY 50 INTO BLAND QUADRANGLE  
(by W. R. Broadus in 1932)

|   |             |             |         |
|---|-------------|-------------|---------|
| T T 36 B 1932 (in Meta quadrangle) -----  | 38 29 34.13 | 92 00 08.05 | .....   |
| Maries Creek, center of bridge over -----   | 38 29 40.7  | 91 59 11.7  | 4,527   |
| Junction of private lane S. -----   | 38 29 45.7  | 91 58 31.9  | 3,203   |
| (For balance in Mokane quadrangle, see line 3.)   |             |             |         |
| Junction of dim rd. S. -----  | 38 29 56.4  | 91 55 13.4  | (3,660) |
| Linn, 3.6 mi. W. of, along U.S. Highway 50, in NE 1/4 sec. 10, T. 43 N., R. 9 W., 420 ft. E. of farmhouse of William Orschelen, 30 ft. S. of highway in line with fence N., in concrete post; standard tablet stamped "T T 40 B 1932" -   | 38 29 36.39 | 91 54 24.08 | 4,413   |
| Highway at fence N. and rd. S. -----  | 38 29 36.3  | 91 54 03.5  | 1,639   |
| Junction of rd. S. -----  | 38 29 43.6  | 91 53 31.3  | 2,660   |
| Crossroad on line between secs. 11 and 12, T. 43 N., R. 9 W. -----  | 38 29 44.2  | 91 52 58.9  | 2,579   |
| Linn, 1 mi. W. of, along U.S. Highway 50, in SW 1/4 NW 1/4 sec. 7, T. 43 N., R. 8 W., 245 ft. W. of bridge over Loughlin Creek, 95 ft. N. of highway, 25 ft. E. of rd. N., 2 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 41 B 1932 706" ----- | 38 29 36.38 | 91 51 44.57 | 5,962   |
| Crossroad -----   | 38 29 27.2  | 91 51 18.2  | 2,264   |
| Linn, NE. corner of courthouse -----  | 38 29 10.2  | 91 51 08.1  | 1,910   |
| Linn, cross on spire of Catholic Church -----   | 38 29 01.4  | 91 50 52.2  | 1,553   |
| Junction of rd. N. -----  | 38 28 44.6  | 91 50 28.5  | 2,527   |
| Junction of rd. S. -----  | 38 28 30.0  | 91 50 09.8  | 2,097   |
| Junction of rd. N. -----  | 38 28 16.1  | 91 49 55.6  | 1,804   |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Linn, 2.2 mi. SE. of, along U.S. Highway 50, in SE 1/4 NW 1/4 sec. 21, T. 43 N., R. 8 W., 36 ft. N. of highway, 3 ft. W. of line of E. face of farmhouse of V. A. Vuilcott S. of highway, in concrete post; standard tablet stamped "T T 42 B 1932 958" -----         | 38 27 54.41 | 91 49 18.26 | 3,696    |
| Junction of rd. S. -----  | 38 27 57.0  | 91 48 54.4  | 1,920    |
| Junction of rd. E. -----  | 38 27 57.7  | 91 48 31.5  | 1,817    |
| Linn, 4.6 mi. E. of, along U.S. Highway 50, in NE 1/4 SW 1/4 sec. 14, T. 43 N., R. 8 W., 75 ft. N. of W. junction of State Highway 89, 22 ft. S. and 28 ft. W. from fence corner on right-of-way, in concrete post; standard tablet stamped "T T 43 B 1932 919" ----- | 38 28 28.57 | 91 47 03.72 | 7,650    |
| Center of bridge over small creek -----   | 38 28 08.5  | 91 45 49.3  | 6,260    |
| Junction of State Highway 89 and rd. SE. -----  | 38 28 02.2  | 91 45 01.8  | 3,825    |

(Continued in Bland quadrangle; see line 1.)

## 3. FROM LINN SOUTHWEST TO SEC. 23, T. 43 N., R. 9 W. (by W. R. Broadus in 1932)

|  |             |             |       |
|--|-------------|-------------|-------|
| Linn, NE. corner of courthouse (previously described) -----                          | 38 29 10.2  | 91 51 08.1  | ..... |
| Rd. forks -----  | 38 28 35.0  | 91 51 56.1  | 5,220 |
| Rd. forks -----  | 38 28 13.2  | 91 52 23.5  | 3,101 |
| Rd. forks -----  | 38 28 03.8  | 91 52 37.0  | 1,438 |
| McDaniel triangulation sta.; U.S.C. & G.S. standard disk designated "McDaniel" ----- | 38 27 35.71 | 91 53 15.59 | 4,182 |

## 4. FROM SEC. 14, T. 43 N., R. 8 W., NORTHEAST ALONG STATE HIGHWAY 89 INTO MOKANE QUADRANGLE (by W. R. Broadus in 1932)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 43 B 1932 919 (previously described) -----  | 38 28 28.57 | 91 47 03.72 | ..... |
| T. 43 N., R. 8 W., cor. secs. 11, 12, 13, and 14, stone about 95 ft. S. of highway at rd. N. ---- | 38 29 03.5  | 91 46 25.6  | 4,653 |
| Junction of rd. S. -----  | 38 29 05.1  | 91 46 08.5  | 1,367 |
| Junction of E. branch of State Highway 89 SE. ---   | 38 29 11.9  | 91 45 40.3  | 2,348 |
| Junction of rd. NE. -----   | 38 29 34.2  | 91 45 39.9  | 2,250 |

(Continued in Mokane quadrangle; see line 4.)

## 5. FROM SEC. 28, T. 41 N., R. 9 W., SOUTHEAST INTO VIENNA QUADRANGLE AT SEC. 36, T. 41 N., R. 9 W. (by G. N. Tex in 1933)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T 29 B 1932 956 (previously described) -----   | 38 15 51.57 | 91 56 03.37 | ..... |
| Rd. at wire fence N. -----   | 38 15 53.2  | 91 55 50.6  | 1,035 |
| W. fork of rd. fork S. -----   | 38 15 40.1  | 91 55 14.3  | 3,183 |
| T-rd. S. -----   | 38 15 39.2  | 91 54 46.0  | 2,255 |
| Rd. at fence S. -----  | 38 15 32.6  | 91 54 14.5  | 2,603 |
| Rd. at fences E. and W. -----  | 38 15 38.1  | 91 53 57.0  | 1,510 |
| Rd. at fence S. -----  | 38 15 30.4  | 91 53 39.0  | 1,634 |
| Rd. at fences N. and S. on line between secs. 35 and 36, T. 41 N., R. 9 W. -----   | 38 15 30.0  | 91 53 03.6  | 2,823 |
| T. 41 N., R. 9 W., in SW 1/4 sec. 36; 3.5 mi. E. of U.S. Highway 63 along Pay Down Road, about 150 ft. W. of dwelling of L. E. Shaning, 36 ft. S. of rd., in concrete post; standard tablet stamped "T T 1 T 1933 858" ----- | 38 15 12.18 | 91 52 45.91 | 2,294 |
| T-rd. S. -----   | 38 15 03.8  | 91 52 21.3  | 2,135 |

(Continued in Vienna quadrangle; see line 5.)

6. FROM BLAND QUADRANGLE NORTHWEST ALONG STATE HIGHWAY 89 TO SEC. 21, T. 43 N., R. 8 W. (by G. N. Tex in 1933)  
(Continued from Bland quadrangle; see line 3.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Junction of rd. E. -----   | 38 19 23.1  | 91 45 19.5  | (3,991) |
| Highway at fence S. on line between secs. 1 and 6, T. 41 N., Rs. 7 and 8 W. -----  | 38 19 26.7  | 91 45 26.3  | 654     |
| Highway at fence W. -----  | 38 20 07.8  | 91 45 45.0  | 4,416   |
| Belle, 4.7 mi. NW. of, along State Highway 89, in SW 1/4 SE 1/4 sec. 36, T. 42 N., R. 8 W., 10 ft. N. and 32 ft. E. from junction of rd. NE. to Gasconade Park, 8 ft. S. and 6 ft. E. from 3-in. walnut tree at corner of rail fence, in concrete post; standard tablet stamped "T T 7 T 1933 919" ----- | 38 20 10.76 | 91 45 45.57 | 305     |
| Junction of rd. NE. to Koenig -----  | 38 20 09.6  | 91 46 19.8  | 2,726   |
| Highway at fences N. and S. on line between secs. 1 and 2, T. 41 N., R. 8 W. -----   | 38 20 06.2  | 91 46 32.9  | 1,100   |
| Indian Creek, center of bridge over -----  | 38 20 15.9  | 91 46 56.5  | 2,119   |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Highway at fence S. -----  | 38 20 21.4  | 91 47 05.3  | 892      |
| Methodist Church spire at Koenig -----   | 38 21 12.8  | 91 46 15.6  | 6,541    |
| Highway at fences E. and W. -----  | 38 20 37.5  | 91 47 32.4  | 7,083    |
| Old crossroad -----  | 38 21 08.7  | 91 47 56.0  | 3,668    |
| Belle, 7.8 mi. NW. of, along State Highway 89,<br>near center sec. 27, T. 42 N., R. 8 W., about<br>250 ft. NW. of rd. S. to fishing resort, 10 ft.<br>N. and 45 ft. W. from junction of private rd.<br>W., 5 ft. N. of fence corner, in concrete post;<br>standard tablet stamped "T 8 T 1933 799" ----- | 38 21 30.75 | 91 48 17.99 | 2,836    |
| Highway at fence W. and private rd. E. -----   | 38 21 55.1  | 91 48 31.5  | 2,691    |
| Highway at fence W. near junction of rd. NW. -----   | 38 22 24.2  | 91 48 45.7  | 3,146    |
| Corner fence post at gate -----  | 38 23 02.8  | 91 49 08.2  | 4,305    |
| Rich Fountain, 3.5 mi. E. of, in SE 1/4 sec. 16,<br>T. 42 N., R. 8 W., 10 ft. N. and 20 ft. E. from<br>rd. forks, in top of N. column at W. end of<br>bridge over Gasconade River; standard tablet<br>stamped "T 9 T 1933 597" -----   | 38 23 21.05 | 91 49 17.02 | 1,968    |
| Highway at fence E. -----  | 38 23 40.2  | 91 49 24.2  | 2,022    |
| Junction of rd. NW. -----  | 38 23 49.3  | 91 49 20.4  | 961      |
| Junction of rd. E. -----   | 38 24 46.2  | 91 48 55.4  | 6,089    |
| Junction of drive to garage of J. H. Will -----  | 38 25 13.5  | 91 49 29.9  | 3,903    |
| Highway at fence W. -----  | 38 25 39.3  | 91 49 32.4  | 2,610    |
| Linn, 4.2 mi. SE. of, along State Highway 89,<br>3.1 mi. SE. of U.S. Highway 50, in SW 1/4<br>NW 1/4 sec. 33, T. 43 N., R. 8 W., 30 ft. E.<br>of highway, 50 ft. N. of rd. E., in concrete<br>post; standard tablet stamped "T 10 T 1933<br>858" -----   | 38 26 04.83 | 91 49 41.53 | 2,685    |
| Highway at fences E. and W. -----  | 38 26 30.8  | 91 50 10.1  | 3,471    |
| Lone Star School, junction of rd. SW. at -----   | 38 26 44.7  | 91 50 17.9  | 1,544    |
| Junction of rd. E. -----   | 38 27 10.2  | 91 50 11.9  | 2,615    |
| Crossroad -----  | 38 27 23.1  | 91 50 06.6  | 1,375    |
| Junction of private rd. to dwelling -----  | 38 27 42.7  | 91 49 52.1  | 2,293    |
| T T 42 B 1932 958 (previously described) -----   | 38 27 54.41 | 91 49 18.26 | 2,941    |

7. FROM SEC. 16, T. 42 N., R. 8 W., WEST TO SEC. 16, T. 42 N., R. 9 W.  
(by G. N. Tex in 1933)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 9 T 1933 597 (previously described) -----   | 38 23 21.05 | 91 49 17.02 | ..... |
| Rd. at old fence S. -----   | 38 23 22.5  | 91 49 48.4  | 2,499 |
| T-rd. S. -----  | 38 23 22.4  | 91 49 53.8  | 428   |
| T-rd. S. on line between secs. 17 and 18,<br>T. 42 N., R. 8 W. -----  | 38 23 22.5  | 91 51 02.7  | 5,485 |
| T-rd. S. -----  | 38 23 37.9  | 91 51 44.6  | 3,688 |
| Rd. at fence E. -----   | 38 23 27.0  | 91 51 44.6  | 1,100 |
| Rich Fountain, in SW. cor. sec. 12, T. 42 N.,<br>R. 9 W., 66 ft. N. and 38 ft. W. from NW.<br>corner of Ford garage, 22 ft. S. and 68 ft.<br>E. from junction of rd. N. near post office,<br>4 ft. S. and 1 ft. E. from brick cornerpost,<br>in concrete post; standard tablet stamped "T T<br>11 T 1933 612" ----- | 38 23 43.86 | 91 52 50.59 | 5,519 |
| Rich Fountain, spire on Catholic Church -----   | 38 23 51.2  | 91 52 51.0  | 749   |
| Rich Fountain, stone at cor. secs. 11, 12, 13,<br>and 14, T. 42 N., R. 9 W., 50 ft. S. of store<br>of George Holtschneider -----  | 38 23 40.4  | 91 53 00.8  | 1,347 |
| Center of concrete culvert -----  | 38 23 20.0  | 91 53 28.4  | 3,017 |
| T-rd. W. -----  | 38 23 07.3  | 91 53 51.6  | 2,249 |
| Rd. at fences N. and S. on line between secs. 14<br>and 15, T. 42 N., R. 9 W. -----   | 38 23 10.4  | 91 54 07.3  | 1,287 |
| Rd. fork SW. -----  | 38 23 13.4  | 91 54 56.6  | 3,932 |
| Rd. at fences N. and S. on line between secs. 15<br>and 16, T. 42 N., R. 9 W. -----   | 38 23 14.8  | 91 55 13.3  | 1,342 |
| T T 33 B 1932 884 (previously described) -----  | 38 23 18.06 | 91 55 53.89 | 3,244 |

8. FROM BLAND QUADRANGLE AT SEC. 30, T. 42 N., R. 7 W., SOUTHWEST TO SEC. 36,  
T. 42 N., R. 8 W. (by G. N. Tex in 1933)  
(Continued from Bland quadrangle; see line 5.)

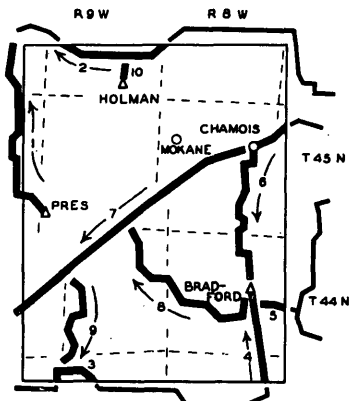
|  |             |             |         |
|--|-------------|-------------|---------|
| Rd. fork NW. to Koenig -----                     | 38 21 11.4  | 91 45 12.0  | (2,025) |
| Rd. fork E. -----                                | 38 20 41.5  | 91 45 36.3  | 3,591   |
| Rd. under N. one of two transmission lines ----- | 38 20 26.5  | 91 45 42.9  | 1,602   |
| T T 7 T 1933 919 (previously described) -----    | 38 20 10.76 | 91 45 45.57 | 1,608   |

Magnetic declination in 1934, 6° E.

\* It was reported that this monument was moved by highway engineer, June 23, 1938,  
23 ft. S. and 1 ft. E. from given description and position.

MOKANE QUADRANGLE  
(Latitude 38°30'-38°45'; longitude 91°45'-92°00')

Callaway and Osage Counties



1. FROM SEC. 31, T. 45 N., R. 9 W., NORTH INTO MILLERSBURG QUADRANGLE AT SEC. 24, T. 46 N., R. 10 W., INCLUDING THAT PART OF THE LINE IN NEW BLOOMFIELD QUADRANGLE (by S. H. Moyers in 1926)

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Pres triangulation sta.; M.R.C. iron post designated "Pres" -----  | 38 37 38.84 | 91 59 13.31 | .....    |
| Little Auxvasse Creek, center of bridge over -----   | 38 38 09.3  | 91 59 45.3  | 3,989    |
| T. 45 N., R. 10 W., quarter cor. between secs. 25 and 36, T-rd. E. -----   | 38 38 14.9  | 92 00 11.0  | 2,120    |
| Rd. at fences E. and W. -----  | 38 38 41.8  | 92 00 12.9  | 2,724    |
| Rd. fork E. -----  | 38 39 13.2  | 92 00 10.6  | 3,182    |
| T. 45 N., R. 10 W., near center sec. 24, 4 mi. S. and 0.4 mi. E. from Dixie, 48 ft. N. and 25 ft. E. from T-rd. E., 41 ft. W. of and in line with SW. corner of farmhouse, in concrete post; standard tablet stamped "T T Sta No 1 M 1926" ----- | 38 39 40.23 | 92 00 07.81 | 2,748    |
| Rd. fork W. -----  | 38 40 09.4  | 92 00 25.5  | 3,264    |
| Rd. fork E. -----  | 38 40 50.9  | 92 00 10.6  | 4,365    |
| T-rd. W. -----   | 38 41 32.6  | 92 00 19.4  | 4,278    |
| T-rd. E. on line between secs. 1 and 12, T. 45 N., R. 10 W. -----  | 38 41 45.8  | 92 00 19.2  | 1,340    |
| T. 45 N., R. 10 W., quarter cor. between secs. 1 and 2 -----   | 38 42 11.8  | 92 00 35.0  | 2,914    |
| T. 45 N., R. 10 W., N. cor. secs. 1 and 2, spike in top of W. wing wall of concrete culvert -----  | 38 42 41.7  | 92 00 34.0  | 3,020    |
| Dixie, 30 ft. N. and 20 ft. E. from quarter cor. between secs. 35 and 36, T. 46 N., R. 10 W., at NE. corner of T-rd. E., 4 ft. N. of corner fence post, in concrete post; standard tablet stamped "T T Sta No 2 M 1926" -----                    | 38 43 08.13 | 92 00 32.55 | 2,680    |
| T-rd. W. -----   | 38 43 20.9  | 92 00 32.2  | 1,290    |
| T. 46 N., R. 10 W., cor. secs. 25, 26, 35, and 36, T-rd. W. -----  | 38 43 34.1  | 92 00 31.6  | 1,329    |
| T. 46 N., R. 10 W., quarter cor. between secs. 25 and 26, rd. at fence E. -----  | 38 44 00.3  | 92 00 30.6  | 2,666    |
| T. 46 N., R. 10 W., cor. secs. 23, 24, 25, and 26, T-rd. E. -----  | 38 44 26.5  | 92 00 29.4  | 2,652    |
| T. 46 N., R. 10 W., quarter cor. between secs. 23 and 24, crossroads -----   | 38 44 52.9  | 92 00 28.5  | 2,670    |
| Rd. at fence W. (in Millersburg quadrangle) -----  | 38 45 19.3  | 92 00 27.5  | 2,670    |

2. FROM FULTON QUADRANGLE AT SEC. 19, T. 46 N., R. 8 W., WEST INTO FULTON QUADRANGLE AT SEC. 20, T. 46 N., R. 9 W. (by J. L. Sanders in 1927)  
(Continued from Fulton quadrangle; see line 3.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Rd. at mail box of T. F. Lee -----   | 38 44 55.2  | 91 51 52.3  | (2,864) |
| T. 46 N., R. 9 W., center of SE 1/4 sec. 24, T-rd. W. -----  | 38 44 25.6  | 91 52 44.6  | 5,119   |
| Hams Prairie, 2.5 mi. SE. of, quarter cor. between secs. 23 and 24, T. 46 N., R. 9 W., near T-rd. S., 40 ft. S. of SE. corner of dwelling of D. G. Little, in concrete post; standard tablet stamped "P T Sta No 141 S 1927" ----- | 38 44 45.88 | 91 53 39.23 | 4,787   |
| T. 46 N., R. 9 W., quarter cor. between secs. 23 and 26, T-rd. W. -----  | 38 44 15.0  | 91 54 06.9  | 3,818   |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| T. 46 N., R. 9 W., cor. secs. 22, 23, 26, and 27, T-rd. W. -----  | 38 44 16.3  | 91 54 39.9  | 2,619    |
| T. 46 N., R. 9 W., cor. secs. 21, 22, 27, and 28, T-rd. S. -----  | 38 44 18.4  | 91 55 46.3  | 5,270    |
| Hams Prairie, 2.5 mi. SW. of, 250 ft. E. of W. sixteenth cor. between secs. 21 and 28, T. 46 N., R. 9 W., 200 ft. NW. of dwelling of J. E. Miller, in angle at rd. forks, in concrete post; standard tablet stamped "P T Sta No 142 S 1927" ----- | 38 44 20.47 | 91 56 28.77 | 3,370    |
| Rd. forks at top of hill N. of Herring School --  | 38 44 12.4  | 91 57 33.5  | 5,194    |

(Continued in Fulton quadrangle; see line 4.)

## 3. FROM LINN QUADRANGLE NORTHEAST AND SOUTHEAST ALONG U.S. HIGHWAY 50 INTO LINN QUADRANGLE (by W. R. Broadus in 1932)

(Continued from Linn quadrangle; see line 2.)

|  |             |             |         |
|--|-------------|-------------|---------|
| Junction of rd. SE. -----  | 38 30 05.1  | 91 57 57.5  | (3,360) |
| Loose Creek, 0.7 mi. W. of, along U.S. Highway 50, in sec. 6, T. 43 N., R. 9 W., about 2.9 mi. E. of bridge over Osage River, near top of long grade from river valley, 50 ft. S. of cross-road, in concrete post; standard tablet stamped "T T 39 B 1932" ----- | 38 30 22.98 | 91 57 48.25 | 1,956   |
| Center of cross on spire of Loose Creek Catholic Church -----  | 38 30 35.2  | 91 56 55.6  | 4,361   |
| Junction of rd. N. to Loose Creek -----  | 38 30 23.2  | 91 56 45.1  | 1,564   |
| Center of bridge over creek -----  | 38 30 19.2  | 91 56 30.9  | 1,052   |
| Junction of rd. SW. -----  | 38 30 03.9  | 91 55 58.4  | 3,009   |

(Continued in Linn quadrangle; see line 2.)

## 4. FROM LINN QUADRANGLE NORTH ALONG STATE HIGHWAY 89 TO SEC. 14, T. 44 N., R. 8 W. (by W. R. Broadus in 1932)

(Continued from Linn quadrangle; see line 4.)

|  |             |             |         |
|--|-------------|-------------|---------|
| T. 43 N., R. 8 W., about 0.2 mi. E. of cor. secs. 1, 2, 11, and 12, 30 ft. N. and 30 ft. W. from State Highway 89 at rd. S., 43 ft. N. and 37 ft. E. from NE. corner of farmhouse of A. W. Baker, in concrete post; standard tablet stamped "T T 188 B 1932" ----- | 38 30 02.40 | 91 46 11.89 | (3,823) |
| Junction of lane W. -----  | 38 30 19.6  | 91 46 13.0  | 1,741   |
| Junction of rd. E. -----   | 38 30 49.3  | 91 46 18.4  | 3,033   |
| Tps. 43 and 44 N., R. 8 W., approximate cor. secs. 1, 2, 35, and 36, T-fence W. -----  | 38 30 58.9  | 91 46 23.5  | 1,058   |
| Rd. junction -----   | 38 30 56.6  | 91 46 19.3  | 408     |
| Rd. junction -----   | 38 31 17.0  | 91 46 06.8  | 2,287   |
| T. 44 N., R. 8 W., quarter cor. between secs. 35 and 36, stone at T-fence W. -----   | 38 31 24.3  | 91 46 21.9  | 1,403   |
| Junction of lane E. at fence W. -----  | 38 32 20.8  | 91 46 30.9  | 5,759   |
| Junction of rd. SW. -----  | 38 32 41.5  | 91 46 36.3  | 2,146   |
| Creek, about 0.3 mi. N. of, 0.3 mi. E. of State Highway 89, about 0.2 mi. W. of quarter cor. between secs. 23 and 24, T. 44 N., R. 8 W., 40 ft. N. and 22 ft. E. from junction of rd. E., in concrete post; standard tablet stamped "T T 189 B 1932" -----         | 38 33 14.71 | 91 46 27.91 | 3,421   |
| Rd. junction -----   | 38 33 30.9  | 91 46 49.9  | 2,391   |
| Bradford triangulation sta.; U.S.C. & G.S. standard disk stamped "Bradford" -----  | 38 33 57.24 | 91 46 42.14 | 2,738   |

## 5. FROM SEC. 23, T. 44 N., R. 8 W., EAST INTO MORRISON QUADRANGLE AT SEC. 19, T. 44 N., R. 7 W. (by W. R. Broadus in 1932)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 189 B 1932 (previously described) -----                                 | 38 33 14.71 | 91 46 27.91 | ..... |
| Center of rd. (computed point not described) ----                           | 38 33 12.2  | 91 45 21.8  | 5,253 |
| Rd. fork S. on line between secs. 19 and 24, T. 44 N., Rs. 7 and 8 W. ----- | 38 33 07.4  | 91 45 13.5  | 820   |

(Continued in Morrison quadrangle; see line 2.)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| 6. FROM MORRISON QUADRANGLE WEST ALONG MISSOURI PACIFIC RAILROAD TO CHAMOIS, THENCE SOUTH ALONG ROADS TO SEC. 14, T. 44 N., R. 8 W. (by C. W. Williams in 1934)   |             |             |          |
| (Continued from Morrison quadrangle; see line 6.)   |             |             |          |
| T. 45 N., R. 7 W., W. cor. secs. 6 and 7, stone at rd. corner from E.-S., 65 ft. N. of rd. at fence W. at approximate E. cor. secs. 1 and 12, T. 45 N., R. 8 W. -----   | 38 40 49.5  | 91 45 07.5  | (3,471)  |
| Chamois, 0.6 mi. E. of, in NE 1/4 sec. 12, T. 45 N., R. 8 W., 44 ft. N. of rd., 37 ft. S. of S. rail of Missouri Pacific R.R., 65 ft. W. of NW. corner of head wall of concrete culvert, in concrete post; standard tablet stamped "T T 668 C W A 1934" ----- | 38 40 39.42 | 91 45 27.62 | 1,894    |
| Chamois, S. track at Main Street -----  | 38 40 35.0  | 91 46 10.2  | 3,409    |
| Chamois, in SW. part of, intersection of streets-T-rd. N. -----   | 38 40 19.5  | 91 46 16.3  | 1,644    |
| Rd. at fences E. and W. -----   | 38 40 04.9  | 91 46 23.2  | 1,572    |
| T. 45 N., R. 8 W., approximate center sec. 14, fence corner from S.-W. -----  | 38 39 44.6  | 91 46 40.2  | 2,462    |
| T-rd. W. -----  | 38 39 31.8  | 91 46 48.5  | 1,455    |
| Chamois, 2 mi. SW. of, along Chamois-Deer rd., 685 ft. S. and 570 ft. W. from W. sixteenth cor. between secs. 14 and 23, T. 45 N., R. 8 W., 20 ft. E. of rd., in fence corner, in concrete post; standard tablet stamped "T T 669 C W A 1934" -----           | 38 39 20.2  | 91 47 10.5  | 2,099    |
| Crossroads -----  | 38 38 59.52 | 91 47 13.38 | 2,109    |
| Rd. at lane W. -----  | 38 38 39.2  | 91 47 20.2  | 2,122    |
| T-rd. SE. -----   | 38 38 13.3  | 91 47 24.6  | 2,652    |
| Rd. at fence W. -----   | 38 37 41.1  | 91 47 35.7  | 3,371    |
| Deer, rd. in line with S. face of schoolhouse -----   | 38 37 32.1  | 91 47 44.3  | 1,140    |
| Deer, about 0.8 mi. SE. of, 5.5 mi. S. of Chamois, in SW 1/4 sec. 35, T. 45 N., R. 8 W., 100 ft. S. and 35 ft. W. from rd. forks, in concrete post; standard tablet stamped "T T 670 C W A 1934" -----  | 38 37 07.8  | 91 47 44.9  | 2,461    |
| Rd. at rail fence SE. -----   | 38 36 38.76 | 91 47 09.45 | 4,065    |
| T. 44 N., R. 8 W., S. sixteenth cor. between secs. 2 and 3, stone -----   | 38 36 12.9  | 91 47 36.8  | 3,399    |
| Rd. at fence S. -----   | 38 35 44.8  | 91 47 22.0  | 3,082    |
| State Highway 89 at rd. N. -----  | 38 35 24.4  | 91 46 49.2  | 3,323    |
| Rd. at fence E. -----   | 38 35 12.3  | 91 46 40.3  | 1,410    |
| T-rd. E. -----  | 38 34 39.9  | 91 46 33.5  | 3,320    |
| U.S.C. & G.S. standard disk stamped "Bradford Azl 1879 1934" -----  | 38 34 14.3  | 91 46 18.1  | 2,863    |
| Bradford triangulation sta. (previously described) -----  | 38 34 02.57 | 91 46 26.64 | 1,369    |
|   | 38 33 57.24 | 91 46 42.14 | 1,344    |

## 7. FROM CHAMOIS SOUTHWEST ALONG MISSOURI PACIFIC RAILROAD INTO NEW BLOOMFIELD QUADRANGLE (by C. W. Williams in 1934)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T 668 C W A 1934 (previously described) -----   | 38 40 39.42 | 91 45 27.62 | ..... |
| Chamois, S. track at Main Street (previously described) -----   | 38 40 35.0  | 91 46 10.2  | 3,409 |
| R.R. at rd. crossing -----  | 38 40 28.8  | 91 47 06.3  | 4,478 |
| T. 45 N., R. 8 W., S. sixteenth cor. sec. 10, stone at old T-fence E. -----   | 38 40 13.4  | 91 47 55.0  | 4,162 |
| M.R.C. iron pipe (designation unknown) -----  | 38 40 03.32 | 91 48 52.07 | 4,644 |
| R.R. at semaphores 1038 L and 1038 R -----  | 38 39 36.7  | 91 50 00.5  | 6,059 |
| R.R. at fence SE. -----   | 38 39 24.1  | 91 50 44.7  | 3,734 |
| M.R.C. iron pipe (designation unknown) -----  | 38 39 04.06 | 91 51 23.66 | 3,694 |
| R.R. at rail fence S. -----   | 38 38 42.0  | 91 52 15.2  | 4,666 |
| R.R. at semaphore 1077 L -----  | 38 37 56.3  | 91 53 27.6  | 7,366 |
| Isbell, 1 mi. E. of, along Missouri Pacific R.R., in SW 1/4 sec. 26, T. 45 N., R. 9 W., near foot of bluff, 100 ft. S. of center of double track, 4 ft. S. of old R.R. grade, in abandoned concrete foundation for signal box; standard tablet stamped "T T 671 C W A 1934" ----- | 38 37 34.36 | 91 54 00.71 | 3,440 |
| Isbell, R.R. in line with E. face of sta. -----   | 38 36 59.9  | 91 54 46.9  | 5,059 |
| R.R. at concrete post with bronze plate stamped "Mo Pac 110" -----  | 38 36 34.8  | 91 55 24.4  | 3,908 |
| Isbell, 1.8 mi. SW. of, along Missouri Pacific R.R., in N 1/2 sec. 4, T. 44 N., R. 9 W., 12 ft. S. of center of double track, in center of S. head wall of concrete culvert; standard tablet stamped "T T 672 C W A 1934" -----   | 38 35 53.83 | 91 56 14.40 | 5,745 |
| R.R. at semaphores 1117 R and 1117 L -----  | 38 35 28.9  | 91 56 49.6  | 3,767 |
| R.R. in line with W. face of farmhouse S. of track -----  | 38 34 55.7  | 91 57 37.3  | 5,059 |
| Bonnets Mill, 386 ft. W. of SW. corner of Missouri Pacific R. R. sta., 50 ft. S. of track, in concrete post; standard tablet stamped "T T 673 C W A 1934" -----   | 38 34 40.75 | 91 57 57.21 | 2,190 |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| R.R. at rd. crossing -----                                    | 38 34 06.2  | 91 58 43.5  | 5,977    |
| R.R. at fence E. -----  | 38 33 42.8  | 91 59 34.0  | 4,658    |
| M.R.C. iron pipe (designation unknown) -----                  | 38 33 30.89 | 91 59 54.19 | 2,005    |
| Osage triangulation sta. (in New Bloomfield quadrangle) ----- | 38 33 09.53 | 92 00 30.07 | 3,578    |

8. FROM SEC. 14, T. 44 N., R. 8 W., NORTHWEST TO SEC. 34, T. 45 N., R. 9 W.  
(by C. W. Williams in 1934)

|  |             |             |       |
|--|-------------|-------------|-------|
| Bradford triangulation sta. (previously described) -----   | 38 33 57.24 | 91 46 42.14 | ..... |
| State Highway 89 at rd. SW. -----  | 38 33 26.0  | 91 46 51.0  | 3,235 |
| T. 44 N., R. 8 W., W. sixteenth cor. sec. 23, stone at cross fences -----  | 38 33 15.8  | 91 47 10.2  | 1,841 |
| T. 44 N., R. 8 W., S. sixteenth cor. between secs. 22 and 23, stone at cross fences -----  | 38 33 02.9  | 91 47 28.0  | 1,928 |
| T. 44 N., R. 8 W., quarter cor. between secs. 22 and 27, rd. at rail fence S. -----  | 38 32 50.0  | 91 48 02.8  | 3,054 |
| T. 44 N., R. 8 W., cor. secs. 21, 22, 27, and 28, rock pile at E.-W. paling fence -----  | 38 32 50.0  | 91 48 36.7  | 2,691 |
| T. 44 N., R. 8 W., E. sixteenth cor. between secs. 21 and 28, 2.5 mi. W. of Crook, 12 ft. W. of rd. corner from E.-N., 2 ft. W. of fence, in concrete post; standard tablet stamped "T T 674 C W A 1934" -----                 | 38 32 54.98 | 91 48 53.90 | 1,458 |
| T. 44 N., R. 8 W., approximate E. sixteenth cor. sec. 21, rd. at rail fence E. -----   | 38 33 18.2  | 91 48 51.1  | 2,357 |
| T-rd. S. -----   | 38 33 40.4  | 91 49 09.0  | 2,665 |
| Luytstown, T-rd. N. -----  | 38 33 28.3  | 91 50 00.5  | 4,269 |
| Rd. at fences N. and S. -----  | 38 33 33.4  | 91 50 35.0  | 2,790 |
| T. 44 N., R. 8 W., in SW 1/4 SW 1/4 sec. 17, 1.1 mi. NW. of Luytstown, 28 ft. N. of rd., 50 ft. N. and 165 ft. E. from NE. corner of dwelling of Ed Dill, in concrete post; standard tablet stamped "T T 675 C W A 1934" ----- | 38 33 53.74 | 91 50 51.79 | 2,453 |
| Rd. at fence N. -----  | 38 34 04.6  | 91 51 21.9  | 2,631 |
| T. 44 N., R. 8 W., approximate center sec. 18, T-fence S. -----  | 36 34 13.2  | 91 51 23.2  | 876   |
| Rd. at fence N. -----  | 38 34 42.1  | 91 52 08.5  | 4,637 |
| Frankenstein, at E. edge of, rd. forks -----   | 38 34 27.2  | 91 52 55.5  | 4,027 |
| Frankenstein, 0.4 mi. NW. of, in NW 1/4 SE 1/4 sec. 11, T. 44 N., R. 9 W., 10 ft. N. and 27 ft. E. from rd. forks, 2 ft. N. of fence, in concrete post; standard tablet stamped "T T 676 C W A 1934" -----                     | 38 34 41.23 | 91 53 25.07 | 2,741 |
| T. 44 N., R. 9 W., quarter cor. between secs. 2 and 11, stone -----  | 38 35 20.1  | 91 53 32.5  | 3,977 |
| T. 44 N., R. 9 W., center sec. 2, T-fence W. -----   | 38 35 45.6  | 91 53 33.3  | 2,582 |
| N. end of bridge -----   | 38 36 20.9  | 91 54 09.6  | 4,589 |
| Missouri Pacific R.R. at semaphore -----   | 38 37 03.1  | 91 54 40.6  | 4,926 |
| T T 671 C W A 1934 (previously described) -----  | 38 37 34.36 | 91 54 00.71 | 4,478 |

9. FROM BONNOTS MILL SOUTH ALONG COUNTY ROUTE A TO SEC. 6, T. 43 N., R. 9 W. (by C. W. Williams in 1934)

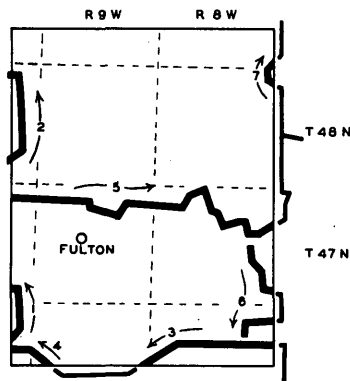
|  |             |             |       |
|--|-------------|-------------|-------|
| T T 673 C W A 1934 (previously described) -----  | 38 34 40.75 | 91 57 57.21 | ..... |
| Junction of rd. E. -----   | 38 34 28.5  | 91 57 26.3  | 2,751 |
| T. 44 N., R. 9 W., cor. secs. 7, 8, 17, and 18, rock pile at fence corner -----  | 38 34 09.2  | 91 57 27.9  | 1,958 |
| Highway at fence E. -----  | 38 33 56.8  | 91 57 12.5  | 1,751 |
| Junction of rd. E. -----   | 38 33 16.6  | 91 56 58.6  | 4,207 |
| T. 44 N., R. 9 W., in S 1/2 sec. 19, 2 mi. N. of Loose Creek, along County Route A, 60 ft. S. of SW. corner of transformer sta., 43 ft. N. of highway, 15 ft. E. of power line, in concrete post; standard tablet stamped "T T 677 C W A 1934" ----- | 38 32 34.92 | 91 57 49.39 | 5,843 |
| Junction of rd. W. -----   | 38 32 22.2  | 91 57 49.7  | 1,290 |
| Highway at fence N. -----  | 38 31 57.8  | 91 57 26.8  | 3,068 |
| T. 44 N., R. 9 W., S. sixteenth cor. between secs. 29 and 30, stone -----  | 38 31 44.0  | 91 57 27.0  | 1,394 |
| Highway at pipe line sta. 47.10 -----  | 38 31 21.0  | 91 57 09.3  | 2,722 |
| Highway at fence E. -----  | 38 31 01.6  | 91 57 20.2  | 2,140 |
| Junction of rd. W. -----   | 38 30 44.1  | 91 57 30.8  | 1,961 |
| T T 39 B 1932 (previously described) -----   | 38 30 22.98 | 91 57 48.25 | 2,552 |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| 10. FROM SEC. 23, T. 46 N., R. 9 W., SOUTH ALONG COUNTY ROUTE C TO SEC. 26, T. 46 N., R. 9 W. (by C. E. Wyrick in 1935) |             |             |          |
| P T Sta No 141 S 1927 (previously described) ----   | 38 44 45.88 | 91 53 39.23 | .....    |
| Junction of rd. E. -----  | 38 44 30.7  | 91 54 05.5  | 2,584    |
| T. 46 N., R. 9 W., quarter cor. between secs. 23 and 26, junction of rd. W. -----                                       | 38 44 15.0  | 91 54 07.2  | 1,600    |
| Holman triangulation sta.; U.S.C. & G.S. standard disk stamped "Holman" -----   | 38 43 48.01 | 91 54 16.48 | 2,824    |

Magnetic declination 6° 23' E.

FULTON QUADRANGLE  
(Latitude 38°45'-39°00'; longitude 91°45'-92°00')

Callaway County



1. FROM MILLERSBURG QUADRANGLE AT SEC. 12, T. 46 N., R. 10 W., NORTH AND WEST INTO MILLERSBURG QUADRANGLE AT SEC. 36, T. 47 N., R. 10 W. (by J. L. Sanders in 1926)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| T T Sta No 3 M 1926 (in Millersburg quadrangle) -   | 38 45 44.48 | 92 00 09.63 | .....    |
| Oak Grove School, rd. opposite -----  | 38 46 29.7  | 91 59 51.0  | 4,808    |
| Center of bridge -----  | 38 46 45.3  | 91 59 50.1  | 1,580    |
| T. 46 N., R. 10 W., quarter cor. between secs. 1 and 12, crossroads -----   | 38 47 03.7  | 91 59 49.1  | 1,864    |
| Rd. at fence E. -----   | 38 47 30.5  | 91 59 47.8  | 2,708    |
| Tps. 46 and 47 N., R. 10 W., approximate quarter cor. between secs. 1 and 36, T-rd. E. -----  | 38 47 58.2  | 91 59 46.0  | 2,808    |
| Fulton, 3.8 mi. SW. of, along U.S. Highway 54, near center of S 1/2 sec. 36, T. 47 N., R. 10 W., 165 ft. N. and 25 ft. E. from crossroad, in SW. corner of yard of Twin Church, in concrete post; standard tablet stamped "T T Sta No 4 M 1926" ----- | 38 48 15.53 | 91 59 44.60 | 1,756    |
| Center of bridge (in Millersburg quadrangle) ----   | 38 48 38.2  | 92 00 08.6  | 2,997    |

2. FROM MILLERSBURG QUADRANGLE AT SEC. 25, T. 48 N., R. 10 W., NORTH AND WEST INTO MILLERSBURG QUADRANGLE AT SEC. 2, T. 48 N., R. 10 W. (by S. H. Moyers in 1926)

|   |             |             |       |
|---|-------------|-------------|-------|
| Crossroads (in Millersburg quadrangle) -----  | 38 54 31.7  | 92 00 19.7  | ..... |
| T-rd. W. -----  | 38 54 32.2  | 91 59 49.0  | 2,424 |
| Center of bridge -----  | 38 54 39.6  | 91 59 28.6  | 1,776 |
| T. 48 N., R. 10 W., quarter cor. between secs. 24 and 25, rd. at fences E. and W. -----   | 38 54 58.7  | 91 59 28.2  | 1,940 |
| Richland Creek, center of bridge over -----   | 38 55 12.4  | 91 59 27.7  | 1,380 |
| McCredie, 2 mi. S. and 2.5 mi. W. from, quarter cor. between secs. 13 and 24, T. 48 N., R. 10 W., 28 ft. N. and 20 ft. W. from crossroads, in SE. corner of yard of Christian Church, in concrete post; standard tablet stamped "T T Sta No 7 M 1926" ----- | 38 55 51.38 | 91 59 26.70 | 3,948 |



| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| T. 48 N., R. 10 W., center sec. 13, rd. at<br>fences E. and W. -----  | 38 56 16.9  | 91 59 24.8  | 2,590    |
| T. 48 N., R. 10 W., quarter cor. between secs. 12<br>and 13, rd. at hedge fence W. -----  | 38 56 43.5  | 91 59 23.5  | 2,690    |
| T. 48 N., R. 10 W., center sec. 12, T-rd. S. ----   | 38 57 09.8  | 91 59 22.4  | 2,668    |
| T-rd. N. -----  | 38 57 09.8  | 91 59 39.7  | 1,370    |
| T-rd. W. -----  | 38 57 22.8  | 91 59 39.3  | 1,320    |
| Rd. at fences E. and W. on line between secs. 1<br>and 12, T. 48 N., R. 10 W. -----   | 38 57 35.7  | 91 59 38.8  | 1,310    |
| Rd. at fences E. and W. -----   | 38 58 01.7  | 91 59 37.8  | 2,630    |
| Vivion School, 1 mi. E. of, center of NW 1/4<br>sec. 1, T. 48 N., R. 10 W., 22 ft. N. and 7<br>ft. W. from T-rd. S., 3 ft. N. and 3 ft. W.<br>from T-fence N., in concrete post; standard<br>tablet stamped "T T Sta No 8 M 1926" ----- | 38 58 15.47 | 91 59 37.25 | 1,393    |
| Rd. at fences N. and S. on line between secs. 1<br>and 2, T. 48 N., R. 10 W. -----  | 38 58 15.5  | 91 59 54.1  | 1,330    |
| Vivion School, T-rd. N. at (in Millersburg<br>quadrangle) -----   | 38 58 16.2  | 92 00 45.2  | 4,040    |

3. FROM MINEOLA QUADRANGLE AT SEC. 18, T. 46 N., R. 7 W., WEST AND SOUTH INTO  
MOKANE QUADRANGLE AT SEC. 19, T. 46 N., R. 8 W. (by J. L. Sanders in 1927)  
(Continued from Mineola quadrangle; see line 3.)

|   |             |             |         |
|---|-------------|-------------|---------|
| T. 46 N., R. 7 W., quarter cor. between secs. 7<br>and 18, T-rd. S. -----   | 38 45 51.8  | 91 45 04.1  | (2,733) |
| T. 46 N., Rs. 7 and 8 W., approximate cor. secs.<br>7, 12, 13, and 18, rd. at fence S. -----  | 38 45 52.7  | 91 45 33.9  | 2,359   |
| Reform, cor. secs. 11, 12, 13, and 14, T. 46 N.,<br>R. 8 W., 15 ft. S. and 31 ft. E. from cross-<br>roads, in concrete post; standard tablet<br>stamped "P T Sta No 139 S 1927" -----   | 38 45 54.02 | 91 46 41.82 | 5,360   |
| T. 46 N., R. 8 W., quarter cor. between secs. 11<br>and 14, crossroads -----  | 38 45 54.5  | 91 47 14.9  | 2,620   |
| T. 46 N., R. 8 W., cor. secs. 10, 11, 14, and 15,<br>T-rd. S. -----   | 38 45 55.2  | 91 47 49.2  | 2,720   |
| Center of culvert -----   | 38 45 54.7  | 91 48 36.5  | 3,745   |
| Rd. forks -----   | 38 45 49.1  | 91 49 22.9  | 3,719   |
| Rd. fork N. -----   | 38 45 45.4  | 91 49 51.3  | 2,510   |
| W. end of bridge -----  | 38 45 34.5  | 91 50 23.4  | 2,555   |
| T. 46 N., R. 8 W., in SE 1/4 NW 1/4 sec. 17, at<br>W. end of approach to bridge over Auxvasse<br>Creek, 10 ft. W. of SW. corner of dwelling of<br>Edward Bradley, inside of yard near front gate,<br>in concrete post; standard tablet stamped "P T<br>Sta No 140 S 1927" ----- | 38 45 34.77 | 91 50 44.68 | 1,688   |
| Rd. forks -----   | 38 45 08.1  | 91 51 20.1  | 3,888   |

(Continued in Mokane quadrangle; see line 2.)

4. FROM MOKANE QUADRANGLE AT SEC. 20, T. 46 N., R. 9 W., NORTHWEST INTO  
MILLERSBURG QUADRANGLE AT SEC. 13, T. 46 N., R. 10 W. (by J. L. Sanders  
in 1927)

(Continued from Mokane quadrangle; see line 2.)

|  |             |             |         |
|--|-------------|-------------|---------|
| T. 46 N., R. 9 W., N. sixteenth cor. between<br>secs. 19 and 20, rd. corner from S.-W. ----- | 38 45 03.1  | 91 57 56.8  | (5,449) |
| T-rd. S. -----   | 38 45 29.8  | 91 58 24.9  | 3,504   |
| NW. corner of Stringer farmhouse -----   | 38 45 58.4  | 91 59 22.2  | 5,387   |
| T T Sta No 3 M 1926 (in Millersburg quadrangle) -  | 38 45 44.48 | 92 00 09.63 | 4,010   |

5. FROM MILLERSBURG QUADRANGLE AT SEC. 1, T. 47 N., R. 10 W., EAST INTO  
MINEOLA QUADRANGLE AT SEC. 7, T. 47 N., R. 7 W. (by S. H. Moyers in 1927)

|   |             |             |       |
|---|-------------|-------------|-------|
| T. 47 N., R. 10 W., quarter cor. between secs. 1<br>and 2, rd. at fence S. (in Millersburg<br>quadrangle) -----   | 38 52 48.5  | 92 00 06.2  | ..... |
| T. 47 N., Rs. 9 and 10 W., approximate quarter<br>cor. between secs. 1 and 6, T-rd. E. -----  | 38 52 45.2  | 91 58 58.3  | 5,380 |
| T. 47 N., R. 9 W., quarter cor. between secs. 5<br>and 6, T-rd. S. -----  | 38 52 41.0  | 91 57 44.3  | 5,860 |
| T. 47 N., R. 9 W., center sec. 5, crossroads ----   | 38 52 40.5  | 91 57 11.8  | 2,340 |
| Alton R.R. at rd. crossing -----  | 38 52 40.1  | 91 56 48.5  | 2,080 |
| Fulton, 1.8 mi. N. of, along U.S. Highway 54,<br>quarter cor. between secs. 4 and 5, T. 47 N.,<br>R. 9 W., 23 ft. S. and 65 ft. W. from cross-<br>road, 2 ft. S. and 30 ft. W. from NE. corner<br>of yard of St. Eunice's School, in concrete<br>post; standard tablet stamped "T T Sta No 7 M<br>1927" ----- | 38 52 39.59 | 91 56 37.33 | 884   |
| Rd. at fences N. and S. -----   | 38 52 37.7  | 91 55 47.8  | 3,920 |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| T. 47 N., R. 9 W., quarter cor. between secs. 3 and 4, T-rd. W. -----   | 38 52 37.0  | 91 55 31.2  | 1,315    |
| T. 47 N., R. 9 W., quarter cor. between secs. 3 and 10, rd. fork E. -----   | 38 52 09.8  | 91 54 57.7  | 3,822    |
| T. 47 N., R. 9 W., cor. secs. 2, 3, 10, and 11, fence N. -----  | 38 52 10.0  | 91 54 22.4  | 2,790    |
| T. 47 N., R. 9 W., quarter cor. between secs. 2 and 11, rd. at fence S. -----   | 38 52 08.8  | 91 53 49.9  | 2,580    |
| T. 47 N., R. 9 W., near E. sixteenth cor. between secs. 2 and 11, 27 ft. N. of T-rd. S., in concrete post; standard tablet stamped "T T No 8 M 1927" -----  | 38 52 07.89 | 91 53 34.62 | 1,210    |
| Center of concrete bridge -----   | 38 52 24.6  | 91 53 00.6  | 3,177    |
| Center of steel bridge -----  | 38 52 23.0  | 91 52 51.8  | 711      |
| T-rd. N. on line between secs. 1 and 6, T. 47 N., Rs. 8 and 9 W. -----  | 38 52 26.6  | 91 52 12.5  | 3,134    |
| Center of steel bridge -----  | 38 52 21.9  | 91 51 46.3  | 2,120    |
| Rd. fork NW. -----  | 38 52 30.7  | 91 51 25.2  | 1,884    |
| T-rd. W. at blacksmith shop -----   | 38 52 34.8  | 91 50 48.0  | 2,972    |
| T. 47 N., R. 8 W., quarter cor. between secs. 4 and 5, rd. at fences N. and S. -----  | 38 52 40.6  | 91 49 56.3  | 4,128    |
| T-rd. W. -----  | 38 52 39.5  | 91 49 34.2  | 1,750    |
| Center of triangle at T-rd. S. -----  | 38 52 58.5  | 91 49 33.6  | 1,925    |
| T. 47 N., R. 8 W., N. quarter cor. sec. 4, 77 ft. N. and 25 ft. W. from junction of rd. SE., 54 ft. N. of NE. corner of Fairview Church, in SE. corner of front yard of J. A. Linton, in concrete post; standard tablet stamped "T T Sta No 9 M 1927" ----- | 38 53 02.05 | 91 49 18.98 | 1,212    |
| Rd. fork E. -----   | 38 52 34.8  | 91 48 47.9  | 3,695    |
| Rd. fork N. near cor. secs. 3, 4, 9, and 10, T. 47 N., R. 8 W. -----  | 38 52 09.3  | 91 48 51.8  | 2,594    |
| T. 47 N., R. 8 W., cor. secs. 3, 4, 9, and 10, rd. at fences N. and S. -----  | 38 52 10.0  | 91 48 47.2  | 368      |
| T. 47 N., R. 8 W., quarter cor. between secs. 3 and 10, rd. at fences E. and W. -----   | 38 52 08.6  | 91 48 10.0  | 2,943    |
| Auxvasse Creek, center of bridge over -----   | 38 51 48.1  | 91 47 59.2  | 2,246    |
| T. 47 N., R. 8 W., quarter cor. between secs. 10 and 11, T-rd. N. -----   | 38 51 40.3  | 91 47 39.2  | 1,774    |
| Brooks School, rd. fork NE. -----   | 38 51 50.2  | 91 46 59.0  | 3,330    |
| T-rd. E. -----  | 38 51 33.7  | 91 46 24.1  | 3,227    |
| Yucatan, 1 mi. W. of, in NW 1/4 sec. 13, T. 47 N., R. 8 W., 30 ft. S. and 10 ft. E. from junction of rd. S., in triangle formed by rd. forks, in concrete post; standard tablet stamped "T T Sta No 10 M 1927" -----  | 38 51 06.56 | 91 46 10.60 | 2,950    |
| Blazed oak tree at Baptist Church, 0.5 mi. SW. of Yucatan -----   | 38 51 09.3  | 91 45 20.6  | 3,969    |
| Yucatan, T-rd. N. at -----  | 38 51 15.9  | 91 45 00.9  | 1,694    |

(Continued in Mineola quadrangle; see line 1.)

## 6. FROM SEC. 13, T. 47 N., R. 8 W., SOUTH TO SEC. 12, T. 46 N., R. 8 W. (by S. H. Moyers in 1927)

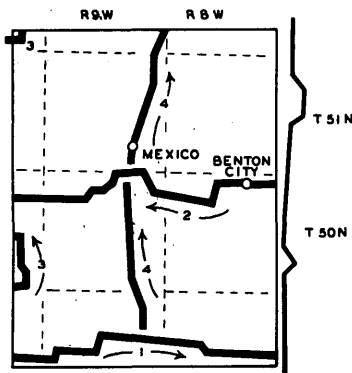
|  |             |             |         |
|--|-------------|-------------|---------|
| T T Sta No 10 M 1927 (previously described) -----                              | 38 51 06.56 | 91 46 10.50 | .....   |
| Rd. at fence E. -----  | 38 50 44.7  | 91 46 20.6  | 2,347   |
| Rd. fork S. -----  | 38 50 34.2  | 91 46 30.2  | 1,306   |
| Rd. at fence W. -----  | 38 50 17.2  | 91 46 23.4  | 1,796   |
| Rd. at fence E. along N. edge of orchard -----                                 | 38 49 51.7  | 91 46 09.2  | 2,822   |
| Small sycamore tree E. of rd., 150 ft. S. of ford across Cow Creek -----       | 38 49 26.4  | 91 46 02.3  | 2,616   |
| Rd. fork SE. -----   | 38 49 05.3  | 91 45 43.6  | 2,593   |
| Rd. at fence N. -----  | 38 48 58.5  | 91 45 26.5  | 1,516   |
| (For balance in Mineola quadrangle, see line 2.)                               |             |             |         |
| Rd. at fence NE. to bluff -----  | 38 47 24.7  | 91 45 14.8  | (1,987) |
| Mail box of M. E. Leeper -----   | 38 47 18.5  | 91 45 37.4  | 1,903   |
| T. 46 N., R. 8 W., center sec. 1, T-rd. N. -----                               | 38 47 13.9  | 91 46 05.1  | 2,240   |
| T. 46 N., R. 8 W., quarter cor. between secs. 1 and 2, T-rd. S. -----          | 38 47 16.1  | 91 46 39.6  | 2,740   |
| T. 46 N., R. 8 W., cor. secs. 1, 2, 11, and 12, rd. at fences E. and W. -----  | 38 46 49.0  | 91 46 40.4  | 2,745   |
| T. 46 N., R. 8 W., quarter cor. between secs. 11 and 12, rd. at fence W. ----- | 38 46 21.8  | 91 46 41.3  | 2,750   |
| P T Sta No 139 S 1927 (previously described) -----                             | 38 45 54.02 | 91 46 41.82 | 2,813   |

| Station  | Latitude   | Longitude  | Distance |
|--|------------|------------|----------|
|  | ° ' "      | ° ' "      | Feet     |
| 7. FROM MINEOLA QUADRANGLE AT SEC. 6, T. 48 N., R. 7 W., NORTH AND EAST INTO MINEOLA QUADRANGLE AT SEC. 6, T. 48 N., R. 7 W. (by S. H. Moyers in 1927) |            |            |          |
| (Continued from Mineola quadrangle; see line 1.)   |            |            |          |
| Rd. at fence E. -----  | 38 57 49.4 | 91 45 01.6 | (3,833)  |
| Whetstone Creek, center of bridge over -----   | 38 58 05.6 | 91 45 01.9 | 1,642    |
| (Continued in Mineola quadrangle; see line 1.)   |            |            |          |

Magnetic declination in 1928, 6° 30' E.

MEXICO QUADRANGLE  
(Latitude 39°00'-39°15'; longitude 91°45'-92°00')

Audrain and Callaway Counties



1. FROM CENTRALIA QUADRANGLE AT SEC. 23, T. 49 N., R. 10 W., EAST INTO WELLSVILLE QUADRANGLE AT SEC. 24, T. 49 N., R. 8 W. (by S. H. Moyers in 1927)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Rd. at fences N. and S. (in Centralia quadrangle)   | 39 00 28.8  | 92 00 22.5  | .....    |
| Rd. at fences N. and S. on line between secs. 23 and 24, T. 49 N., R. 10 W. -----   | 39 00 28.1  | 91 59 48.5  | 2,685    |
| T-rd. W. -----  | 39 00 27.4  | 91 59 44.8  | 2,665    |
| T. 49 N., R. 10 W., quarter cor. between secs. 24 and 25, T-rd. E. -----  | 39 00 14.4  | 91 59 15.1  | 1,325    |
| T. 49 N., R. 10 W., E. cor. secs. 24 and 25 -----   | 39 00 13.4  | 91 58 41.3  | 2,670    |
| T. 49 N., R. 9 W., quarter cor. between secs. 19 and 30, crossroads -----   | 39 00 13.2  | 91 58 01.5  | 3,138    |
| Auxvasse, 0.5 mi. S. and 3.8 mi. W. from, near center sec. 19, T. 49 N., R. 9 W., 28 ft. N. and 10 ft. E. from tangents of rd. S.-E. in concrete post; standard tablet stamped "T T Sta No 1 M 1927" -----  | 39 00 39.90 | 91 57 58.49 | 2,713    |
| T. 49 N., R. 9 W., quarter cor. between secs. 19 and 20 -----   | 39 00 38.8  | 91 57 26.9  | 2,500    |
| T. 49 N., R. 9 W., center sec. 20, T-rd. S. -----   | 39 00 39.2  | 91 56 52.9  | 2,680    |
| T. 49 N., R. 9 W., quarter cor. between secs. 20 and 21, T-rd. S. -----   | 39 00 39.5  | 91 56 19.4  | 2,650    |
| T-rd. S. -----  | 39 00 52.8  | 91 55 45.4  | 3,000    |
| Rd. corner from W.-N. -----   | 39 00 52.2  | 91 55 11.8  | 2,647    |
| T. 49 N., R. 9 W., cor. secs. 15, 16, 21, and 22, rd. corner from S.-E. -----   | 39 01 05.4  | 91 55 11.3  | 1,338    |
| T. 49 N., R. 9 W., quarter cor. between secs. 15 and 22, T-rd. N. -----   | 39 01 05.1  | 91 54 37.9  | 2,635    |
| Auxvasse, Alton R.R. at Harrison Avenue crossing-Auxvasse, 25 ft. N. and 40 ft. E. from intersection of Main Street and Harrison Avenue, 9 ft. S. of SW. corner of shop of Peach Martin, in sidewalk; standard tablet stamped "T T Sta No 2 M 1927" ----- | 39 01 04.8  | 91 53 53.0  | 3,541    |
|   | 39 01 04.96 | 91 53 48.96 | 323      |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| T. 49 N., R. 9 W., cor. secs. 13, 14, 23, and 24,<br>rd. at fence S. -----   | 39 01 04.2  | 91 52 59.2  | 3,929    |
| T. 49 N., Rs. 8 and 9 W., approximate cor. secs.<br>15, 18, 19, and 24, rd. at fence S. -----  | 39 01 03.0  | 91 51 53.2  | 5,210    |
| T. 49 N., R. 8 W., quarter cor. between secs. 18<br>and 19, T-rd. N. -----   | 39 01 02.4  | 91 51 11.6  | 3,280    |
| T. 49 N., R. 8 W., cor. secs. 17, 18, 19, and 20,<br>rd. at fences N. and S. -----   | 39 01 02.1  | 91 50 38.2  | 2,640    |
| T. 49 N., R. 8 W., quarter cor. between secs. 17<br>and 20, rd. at fence N. -----  | 39 01 01.4  | 91 50 04.7  | 2,640    |
| Auxvasse, 3.8 mi. E. of, cor. secs. 16, 17, 20,<br>and 21, T. 49 N., R. 8 W., 18 ft. S. of T-rd.<br>N., in concrete post; standard tablet stamped<br>"T T Sta No 3 M 1927" ----- | 39 01 00.55 | 91 49 29.06 | 2,820    |
| T. 49 N., R. 8 W., quarter cor. between secs. 16<br>and 21, rd. at fence S. -----  | 39 01 01.2  | 91 48 54.2  | 2,750    |
| T-rd. E. -----   | 39 00 46.3  | 91 48 37.8  | 1,990    |
| T-rd. S. -----   | 39 00 44.8  | 91 48 02.2  | 2,815    |
| Rd. at fences N. and S. on line between secs. 22<br>and 23, T. 49 N., R. 8 W. -----  | 39 00 43.0  | 91 47 09.4  | 4,170    |
| T-rd. W. -----   | 39 00 42.6  | 91 46 51.9  | 1,384    |
| T-rd. E. -----   | 39 00 56.0  | 91 46 51.1  | 1,364    |
| T. 49 N., R. 8 W., cor. secs. 13, 14, 23, and 24,<br>crossroads -----  | 39 00 54.7  | 91 45 58.9  | 4,120    |

(Continued in Wellsville quadrangle; see line 1.)

2. FROM WELLSVILLE QUADRANGLE AT SEC. 1, T. 50 N., R. 8 W., WEST INTO  
CENTRALIA QUADRANGLE AT SEC. 11, T. 50 N., R. 10 W. (by S. H. Moyers  
in 1927)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T Sta No 26 M 1926 (In Wellsville quadrangle;<br>see line 1.) -----   | 39 08 01.19 | 91 44 33.96 | ..... |
| T. 50 N., R. 8 W., quarter cor. between secs. 1<br>and 12, rd. at fences N. and S. -----  | 39 08 01.6  | 91 45 08.7  | 2,781 |
| Benton City, Wabash Ry. at rd. crossing, 900 ft.<br>E. of sta. -----  | 39 08 01.5  | 91 45 44.2  | 2,795 |
| T. 50 N., R. 8 W., quarter cor. between secs. 2<br>and 11, T-rd. E. -----   | 39 08 01.2  | 91 46 18.7  | 2,720 |
| T. 50 N., R. 8 W., cor. secs. 2, 3, 10, and 11,<br>rd. at fence S. -----  | 39 08 00.9  | 91 46 53.5  | 2,740 |
| T. 50 N., R. 8 W., quarter cor. between secs. 3<br>and 10, rd. at fences N. and S. -----  | 39 08 01.0  | 91 47 28.4  | 2,750 |
| Benton City, 2 mi. W. of, cor. secs. 3, 4, 9,<br>and 10, T. 50 N., R. 8 W., 20 ft. N. and 23 ft.<br>W. from crossroads, in concrete post; standard<br>tablet stamped "T T Sta No 27 M 1926" -----   | 39 08 01.32 | 91 48 03.59 | 2,772 |
| T. 50 N., R. 8 W., quarter cor. between secs. 4<br>and 9, rd. at fence S. -----   | 39 08 02.0  | 91 48 37.8  | 2,694 |
| T-rd. N. -----  | 39 07 36.2  | 91 48 55.8  | 2,980 |
| T. 50 N., R. 8 W., quarter cor. between secs. 8<br>and 9, rd. at fences N. and S. -----   | 39 07 36.5  | 91 49 13.0  | 1,354 |
| T. 50 N., R. 8 W., center sec. 8, T-rd. N. -----  | 39 07 37.1  | 91 49 47.6  | 2,720 |
| Crossroads -----  | 39 07 37.3  | 91 50 39.3  | 4,080 |
| T. 50 N., R. 8 W., center sec. 7, rd. at fence N.<br>Rd. at fence S. on line between secs. 7 and 12, -----  | 39 07 37.1  | 91 50 56.3  | 1,340 |
| T. 50 N., Rs. 8 and 9 W. -----  | 39 07 36.7  | 91 51 38.5  | 3,320 |
| T. 50 N., R. 9 W., center sec. 12, rd. corner<br>from E.-N. -----   | 39 07 37.6  | 91 52 11.8  | 2,630 |
| Mexico, 2 mi. S. and 1.2 mi. E. from, 210 ft. N.<br>and 25 ft. E. from quarter cor. between secs. 1<br>and 12, T. 50 N., R. 9 W., 11 ft. S. and 40 ft.<br>W. from entrance to Washington School, in<br>concrete post; standard tablet stamped "T T Sta<br>No 28 M 1926" ----- | 39 08 04.81 | 91 52 10.16 | 2,756 |
| T. 50 N., R. 9 W., center sec. 1, crossroads -----  | 39 08 28.7  | 91 52 09.9  | 2,418 |
| T. 50 N., R. 9 W., S. quarter cor. between secs.<br>1 and 2, T-rd. W. -----   | 39 08 17.2  | 91 52 43.4  | 2,890 |
| Rd. at fence S., 0.2 mi. W. of rd. corner -----   | 39 08 46.4  | 91 54 03.4  | 6,954 |
| Alton R.R. at underpass -----   | 39 08 34.7  | 91 54 25.6  | 2,111 |
| Center of bridge -----  | 39 08 19.0  | 91 54 39.7  | 1,940 |
| T. 50 N., R. 9 W., quarter cor. between secs. 9<br>and 10, T-rd. S. -----   | 39 07 40.6  | 91 55 00.8  | 4,229 |
| T. 50 N., R. 9 W., center sec. 9, T-rd. E. -----  | 39 07 39.3  | 91 55 34.3  | 2,640 |
| T. 50 N., R. 9 W., 600 ft. W. of quarter cor.<br>between secs. 9 and 16, 60 ft. S. and 115 ft.<br>E. from S. entrance of Cedar Grove School,<br>15 ft. N. and 25 ft. E. from T-rd. N., in<br>concrete post; standard tablet stamped "T T<br>Sta No 29 M 1926" -----           | 39 07 12.85 | 91 55 43.62 | 2,779 |
| T. 50 N., R. 9 W., cor. secs. 8, 9, 16, and 17,<br>rd. at fences N. and S. -----  | 39 07 12.3  | 91 56 10.0  | 2,080 |
| T. 50 N., R. 9 W., quarter cor. between secs. 8<br>and 17 -----   | 39 07 13.2  | 91 56 43.1  | 2,610 |
| T. 50 N., R. 9 W., cor. secs. 7, 8, 17, and 18,<br>rd. at fence S. -----  | 39 07 14.1  | 91 57 16.3  | 2,620 |

| Station  | Latitude         | Longitude        | Distance   |
|--|------------------|------------------|------------|
| T-rd. N. -----   | ° ' " 39 07 15.4 | ° ' " 91 58 06.9 | Feet 3,990 |
| T. 50 N., R. 10 W., quarter cor. between secs. 12 and 13, T-rd. N. -----         | 39 07 14.2       | 91 58 59.6       | 4,152      |
| T. 50 N., R. 10 W., cor. secs. 11, 12, 13, and 14, rd. at fences N. and S. ----- | 39 07 14.9       | 91 59 38.5       | 3,070      |
| T T Sta No 11 M 1926 (in Centralia quadrangle) --                                | 39 07 15.61      | 92 00 12.43      | 2,675      |

3. FROM CENTRALIA QUADRANGLE AT SEC. 35, T. 50 N., R. 10 W., NORTH INTO  
FLORIDA QUADRANGLE AT SEC. 35, T. 52 N., R. 10 W. (by S. H. Moyers  
in 1927)

|  |            |            |       |
|--|------------|------------|-------|
| Frys School, NW. corner of (in Centralia quadrangle) -----   | 39 03 44.8 | 92 00 17.9 | ..... |
| T-rd. N. -----   | 39 03 44.1 | 91 59 35.0 | 3,378 |
| Center of bridge -----   | 39 04 08.5 | 91 59 42.5 | 2,543 |
| T. 50 N., R. 10 W., cor. secs. 25, 26, 35, and 36, T-rd. E. -----  | 39 04 36.8 | 91 59 42.1 | 2,860 |
| T-rd. N. -----   | 39 04 51.5 | 91 59 58.3 | 1,962 |
| Rd. at fences E. and W. on line between secs. 23 and 26, T. 50 N., R. 10 W. -----                        | 39 05 29.8 | 91 59 57.8 | 3,880 |
| Center of bridge -----   | 39 05 56.2 | 91 59 59.4 | 2,673 |
| Rd. at fence W. (in Centralia quadrangle) -----  | 39 06 22.8 | 92 00 13.6 | 2,916 |
| T-rd. N. (in Centralia quadrangle) -----   | 39 14 16.2 | 92 00 46.1 | ..... |
| T. 52 N., R. 10 W., center sec. 35, rd. at fences N. and S. -----  | 39 14 41.5 | 91 59 55.6 | 2,640 |
| T. 52 N., R. 10 W., quarter cor. between secs. 35 and 36, T-rd. W. -----                                 | 39 14 40.9 | 91 59 21.8 | 2,660 |
| T. 52 N., R. 10 W., cor. secs. 25, 26, 35, and 36, rd. at fences E. and W. (in Florida quadrangle) ----- | 39 15 07.4 | 91 59 21.3 | 2,680 |

4. FROM AUXVASSE NORTH ALONG U.S. HIGHWAY 54 TO MEXICO, THENCE NORTHEAST  
ALONG ROADS INTO FLORIDA QUADRANGLE AT SEC. 36, T. 52 N., R. 9 W.  
(by C. R. Fisher in 1928)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T Sta No 2 M 1927 (previously described) -----  | 39 01 04.96 | 91 53 48.96 | ..... |
| Junction of rd. W. -----  | 39 01 30.8  | 91 53 47.8  | 2,610 |
| Junction of rd. E. on line between secs. 11 and 14, T. 49 N., R. 9 W. -----   | 39 01 57.2  | 91 53 47.7  | 2,670 |
| Junction of rd. E. -----  | 39 02 16.9  | 91 53 46.2  | 2,000 |
| Junction of rd. W. on line between secs. 2 and 11, T. 49 N., R. 9 W. -----  | 39 02 49.6  | 91 53 42.1  | 3,319 |
| Smith Branch, center of bridge over -----   | 39 02 57.6  | 91 53 40.9  | 810   |
| Junction of rd. W. -----  | 39 03 19.4  | 91 53 41.4  | 2,213 |
| Auxvasse, 3 mi. N. of, along U.S. Highway 54, on line between secs. 2 and 35, Tps. 49 and 50 N., R. 9 W., on Audrain-Callaway county line, 25 ft. N. and 45 ft. E. from crossroad, in concrete post; standard tablet stamped "T T Sta No 43 F 1928" ----- | 39 03 42.50 | 91 53 42.62 | 2,334 |
| Center of bridge -----  | 39 04 11.2  | 91 53 52.7  | 6,028 |
| Crossroad -----   | 39 05 01.5  | 91 53 58.0  | 2,058 |
| Junction of rd. W. on line between secs. 22 and 27, T. 50 N., R. 9 W. -----   | 39 05 28.5  | 91 53 59.6  | 2,737 |
| Auxvasse, 6 mi. N. of, along U.S. Highway 54, 4.5 mi. S. of Mexico, in NW 1/4 sec. 23, T. 50 N., R. 9 W., 30 ft. N. and 53 ft. E. from junction of rd. E., in concrete post; standard tablet stamped "T T Sta No 44 F 1928" -----                         | 39 06 12.19 | 91 53 45.05 | 4,564 |
| Center of bridge -----  | 39 06 26.8  | 91 53 43.9  | 1,483 |
| Crossroad -----   | 39 07 00.6  | 91 53 38.8  | 3,438 |
| Highway at E.-W. fence -----  | 39 07 40.0  | 91 53 36.1  | 3,994 |
| Junction of rd. E. -----  | 39 08 18.9  | 91 53 25.8  | 4,018 |
| Center of bridge -----  | 39 08 27.9  | 91 53 25.1  | 913   |
| Junction of rd. E. -----  | 39 08 55.5  | 91 53 21.3  | 2,804 |
| Junction of rd. W. -----  | 39 09 21.4  | 91 53 12.6  | 2,710 |
| Mexico, intersection of Boulevard Avenue and Clark Street -----   | 39 09 47.6  | 91 53 07.1  | 2,684 |
| Bridge over Wabash Ry. -----  | 39 10 12.6  | 91 53 05.8  | 2,525 |
| Mexico, 60 ft. S. and 25 ft. W. from sidewalk intersection at NE. corner of courthouse yard, 5 ft. E. of Morris Monument, in concrete post; standard tablet stamped "T T Sta No 45 F 1928" -----  | 39 10 21.97 | 91 52 58.10 | 1,126 |
| Mexico, intersection of Jefferson and Hendricks Streets -----   | 39 10 49.9  | 91 52 56.5  | 2,825 |
| Junction of rd. E. -----  | 39 11 13.7  | 91 52 55.8  | 2,410 |
| South Fork of Salt River, center of bridge over -----   | 39 11 23.4  | 91 52 29.4  | 2,300 |
| Rd. fork E. on line between secs. 13 and 24, T. 51 N., R. 9 W. -----  | 39 11 31.9  | 91 52 22.4  | 1,028 |
| Mexico, 2.9 mi. NE. of, in NE 1/4 sec. 13, T. 51 N., R. 9 W., 30 ft. S. and 10 ft. E. from junction of rd. N., in concrete post; standard tablet stamped "T T Sta No 46 F 1928" -----   | 39 12 11.83 | 91 51 46.56 | 4,923 |
| T-rd. S. -----  | 39 13 15.7  | 91 51 45.9  | 6,459 |
| T. 51 N., R. 8 W., W. cor. secs. 6 and 7, T-rd. E. -----  | 39 13 16.8  | 91 51 29.1  | 1,330 |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| Tps. 51 and 52 N., R. 8 W., probable W. cor.<br>secs. 6 and 31, T-rd. E. ----- | 39 14 07.4  | 91 51 28.2  | 5,124    |
| T T Sta No 21 M 1926 (in Florida quadrangle) ----                              | 39 15 00.47 | 91 51 26.61 | 5,364    |

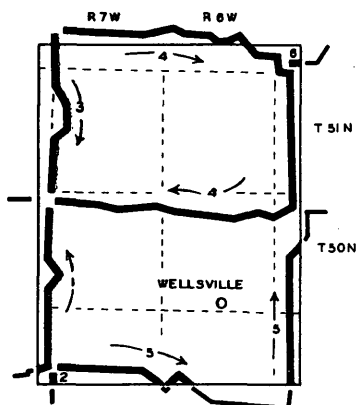
## 5. IN AUXVASSE (by C. E. Wyrick in 1935)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T Sta No 2 M 1927 (previously described) ----- | 39 01 04.96 | 91 53 48.96 | ..... |
| Center of municipal water tank -----             | 39 01 00.35 | 91 53 47.98 | 473   |

Magnetic declination in 1929, 6° 30' E.

WELLSVILLE QUADRANGLE  
(Latitude 39°00'-39°15'; longitude 91°30'-91°45')

Audrain, Callaway, and Montgomery Counties



1. FROM MEXICO QUADRANGLE AT SEC. 24, T. 49 N., R. 8 W., NORTH TO SEC. 1,  
T. 50 N., R. 8 W. (by S. H. Moyers in 1927)  
(Continued from Mexico quadrangle; see line 1.)

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| T. 49 N., R. 8 W., E. cor. secs. 13 and 24,<br>5 ft. S. and 14 ft. E. from, 13 ft. E. of<br>T-rd. W., in concrete post; standard tablet<br>stamped "T T Sta No 4 M 1927" -----   | 39 00 54.96 | 91 44 51.70 | (5,305)  |
| Rd. at fence E. -----  | 39 01 19.3  | 91 44 50.4  | 2,462    |
| T. 49 N., R. 8 W., E. cor. secs. 12 and 13, rd.<br>at fence W., 150 ft. S. of bridge -----   | 39 01 48.3  | 91 44 48.8  | 2,940    |
| T. 49 N., R. 7 W., W. quarter cor. sec. 7,<br>T-rd. E. -----   | 39 02 12.7  | 91 44 47.2  | 2,480    |
| T. 49 N., R. 7 W., W. cor. secs. 6 and 7, rd. at<br>fence E. -----   | 39 02 37.6  | 91 44 46.0  | 2,520    |
| T. 49 N., R. 8 W., E. cor. secs. 1 and 12, rd. at<br>fence W. -----  | 39 02 42.2  | 91 44 45.8  | 460      |
| T-rd. E. -----   | 39 02 58.0  | 91 44 45.0  | 1,600    |
| Benton City, 1 mi. E. and 5 mi. S. from, near<br>cor. Tps. 49 and 50 N., Rs. 7 and 8 W., on<br>Audrain-Callaway county line, 300 ft. N. of<br>rd. fork W., 12 ft. S. and 6 ft. E. from cross<br>fence, near rd. corner from S.-E., in concrete<br>post; standard tablet stamped "T T Sta No 5<br>M 1926" ----- | 39 03 36.25 | 91 44 43.20 | 3,876    |
| Center of bridge -----   | 39 03 55.7  | 91 44 26.1  | 2,386    |
| T. 50 N., R. 7 W., W. sixteenth cor. between<br>secs. 30 and 31, T-rd. S. -----  | 39 04 28.6  | 91 44 26.2  | 3,338    |
| T. 50 N., R. 7 W., quarter cor. between secs. 30<br>and 31, at jog in rd. -----  | 39 04 28.5  | 91 44 11.2  | 1,184    |
| T. 50 N., R. 7 W., cor. secs. 29, 30, 31, and 32,<br>T-rd. N. -----  | 39 04 28.1  | 91 43 39.8  | 2,478    |
| Center of bridge -----   | 39 04 40.1  | 91 43 40.0  | 1,248    |
| T-rd. E. -----   | 39 05 07.8  | 91 43 37.2  | 2,770    |
| Rd. tangents N. and E. in line with fence S. ----  | 39 05 16.7  | 91 44 23.9  | 3,779    |
| Rd. at fences E. and W. -----  | 39 05 48.3  | 91 44 22.6  | 3,200    |
| T-rd. S., 10 ft. E. of T-rd. N. -----  | 39 06 15.0  | 91 44 21.4  | 2,700    |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | " ' "       | " ' "       | Feet     |
| Benton City, 1 mi. E., thence 2 mi. S. from, in NW. cor. sec. 19, T. 50 N., R. 7 W., 105 ft. S. and 10 ft. W. from T-rd. W., 20 ft. N. and 3 ft. E. from T-fence E., in concrete post; standard tablet stamped "T T Sta No 6 M 1927" - | 39 06 15.27 | 91 44 37.33 | 1,254    |
| Rd. at fence E. at jog -----   | 39 06 41.2  | 91 44 36.4  | 2,650    |
| T. 50 N., R. 7 W., W. cor. secs. 7 and 18, T-rd. E. -----  | 39 07 07.0  | 91 44 35.2  | 2,610    |
| Wabash Ry. at rd. crossing -----   | 39 07 42.1  | 91 44 34.1  | 3,550    |
| Benton City, 1 mi. E. of, in NW. cor. sec. 7, T. 50 N., R. 7 W., 56 ft. S. and 20 ft. E. from T-rd. W., 46 ft. N. and 20 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T Sta No 26 M 1926" -----                  | 39 08 01.19 | 91 44 33.96 | 1,934    |

2. FROM MINEOLA QUADRANGLE AT SEC. 19, T. 49 N., R. 7 W., NORTH ABOUT  
1 MILE (by S. H. Moyers in 1927)  
(Continued from Mineola quadrangle; see line 1.)

|   |             |             |         |
|---|-------------|-------------|---------|
| T. 49 N., Rs. 7 and 8 W., approximate cor. secs. 19, 24, 25, and 30, T-rd. W. ----- | 39 00 01.2  | 91 44 54.7  | (2,700) |
| Rd. at fence W. -----   | 39 00 14.7  | 91 44 54.0  | 1,370   |
| T T Sta No 4 M 1927 (previously described) -----                                    | 39 00 54.96 | 91 44 51.70 | 4,075   |

3. FROM SEC. 25, T. 52 N., R. 8 W., SOUTH TO SEC. 1, T. 50 N., R. 8 W., INCLUDING THAT PART OF THE LINE IN FARBER QUADRANGLE (by S. H. Moyers in 1927)

|  |             |             |       |
|--|-------------|-------------|-------|
| T. 52 N., R. 8 W., quarter cor. between secs. 25 and 36, rd. at fences N. and S. -----   | 39 15 06.2  | 91 44 58.1  | ..... |
| Worcester, 1.5 mi. S. and 0.8 mi. E. from, in SE. cor. sec. 25, T. 52 N., R. 8 W., 20 ft. N. and 23 ft. W. from T-rd. W., 55 ft. S. and 23 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T Sta No 23 M 1926" -----        | 39 15 06.98 | 91 44 24.12 | 2,674 |
| T. 52 N., Rs. 7 and 8 W., approximate quarter cor. between secs. 31 and 36, rd. at fences E. and W. -----  | 39 14 40.5  | 91 44 24.6  | 2,677 |
| Tps. 51 and 52 N., Rs. 7 and 8 W., cor. of, T-rd. N. -----   | 39 14 14.2  | 91 44 25.4  | 2,665 |
| Tps. 51 and 52 N., R. 8 W., approximate quarter cor. between secs. 1 and 36, T-rd. S. -----  | 39 14 13.6  | 91 44 59.5  | 2,680 |
| T. 51 N., R. 8 W., center sec. 1, rd. corner from N.-W. -----  | 39 13 47.3  | 91 44 59.6  | 2,660 |
| Rush Hill, 1.2 mi. W., thence 1 mi. N. from, 0.2 mi. W. of cor. secs. 1, 6, 7, and 12, T. 51 N., Rs. 7 and 8 W., 22 ft. N. of T-rd. S., in concrete post; standard tablet stamped "T T Sta No 24 M 1926" -----                                 | 39 13 21.24 | 91 44 44.58 | 2,894 |
| T. 51 N., R. 7 W., quarter cor. between secs. 7 and 12, rd. at fence N. -----  | 39 12 54.8  | 91 44 27.6  | 2,987 |
| T. 51 N., R. 7 W., center sec. 7, rd. at fences N. and S. -----  | 39 12 54.5  | 91 43 51.9  | 2,820 |
| Rush Hill, Alton R.R. at rd. crossing -----  | 39 12 32.9  | 91 43 25.2  | 3,030 |
| T. 51 N., R. 7 W., cor. secs. 7, 8, 17, and 18, crossroads -----   | 39 12 27.7  | 91 43 17.6  | 790   |
| T. 51 N., R. 7 W., cor. secs. 17, 18, 19, and 20, rd. at fence E. -----  | 39 11 35.5  | 91 43 20.5  | 5,291 |
| T. 51 N., R. 7 W., quarter cor. between secs. 19 and 20, crossroads -----  | 39 11 09.4  | 91 43 21.9  | 2,644 |
| T. 51 N., R. 7 W., center sec. 19, rd. at fences N. and S. -----   | 39 11 09.1  | 91 43 55.4  | 2,640 |
| T. 51 N., Rs. 7 and 8 W., approximate quarter cor. between secs. 19 and 24, T-rd. E. -----   | 39 11 08.9  | 91 44 30.0  | 2,725 |
| Rush Hill, 1 mi. W., thence 1.8 mi. S. from, about 0.2 mi. S. of quarter cor. between secs. 19 and 24, T. 51 N., Rs. 7 and 8 W., 25 ft. S. and 22 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 25 M 1926" ----- | 39 10 55.74 | 91 44 30.80 | 1,335 |
| T. 51 N., R. 8 W., E. cor. secs. 24 and 25, rd. at fence W. -----  | 39 10 42.6  | 91 44 30.9  | 1,329 |
| Rd. at fence E. -----  | 39 10 15.9  | 91 44 31.6  | 2,700 |
| T. 51 N., Rs. 7 and 8 W., approximate cor. secs. 25, 30, 31, and 36, crossroads -----  | 39 09 49.6  | 91 44 32.3  | 2,656 |
| T. 51 N., Rs. 7 and 8 W., approximate quarter cor. between secs. 31 and 36, rd. at fence E. -----  | 39 09 23.1  | 91 44 32.4  | 2,685 |
| Tps. 50 and 51 N., Rs. 7 and 8 W., cor. of, rd. at fences E. and W. -----  | 39 08 56.6  | 91 44 32.5  | 2,680 |
| Alton R.R. at rd. crossing -----   | 39 08 37.1  | 91 44 32.8  | 1,946 |
| T T Sta No 26 M 1926 (previously described) -----  | 39 08 01.19 | 91 44 33.96 | 3,668 |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 4. FROM SEC. 30, T. 52 N., R. 7 W., EAST TO SEC. 31, T. 52 N., R. 5 W.,<br>THENCE SOUTH TO SEC. 5, T. 50 N., R. 5 W., THENCE WEST TO SEC. 1,<br>T. 50 N., R. 8 W., INCLUDING THAT PART OF THE LINE IN FARBER<br>QUADRANGLE (by J. L. Sanders in 1927)              |             |             |          |
| T T Sta No 23 M 1926 (previously described) -----  | 39 15 06.98 | 91 44 24.12 | .....    |
| T. 52 N., R. 7 W., cor. secs. 29, 30, 31, and 32,<br>crossroads -----  | 39 15 07.0  | 91 43 16.2  | 5,346    |
| T. 52 N., R. 7 W., cor. secs. 28, 29, 32, and 33,<br>crossroads -----  | 39 15 06.8  | 91 42 07.6  | 5,390    |
| Ladonia, 0.5 mi. N., thence 2 mi. W. from,<br>cor. secs. 27, 28, 33, and 34, T. 52 N.,<br>R. 7 W., 24 ft. S. and 30 ft. W. from cross-<br>roads, 50 ft. N. of dwelling of John Braden, in<br>concrete post; standard tablet stamped "T T<br>Sta No 1 S 1927" ----- | 39 15 06.14 | 91 40 59.68 | 5,353    |
| T. 52 N., R. 7 W., cor. secs. 26, 27, 34, and 35,<br>crossroads -----  | 39 15 06.0  | 91 39 50.9  | 5,404    |
| T. 52 N., R. 7 W., cor. secs. 25, 26, 35, and 36,<br>crossroads -----  | 39 15 05.6  | 91 38 42.2  | 5,400    |
| Ladonia, 0.5 mi. N., thence 1 mi. E. from, cor.<br>secs. 25, 30, 31, and 36, T. 52 N., Rs. 6 and<br>7 W., 18 ft. N. and 36 ft. W. from T-rd. W., in<br>concrete post; standard tablet stamped "T T Sta<br>No 2 S 1927" -----                                       | 39 15 05.35 | 91 37 34.40 | 5,337    |
| T. 52 N., R. 6 W., cor. secs. 29, 30, 31, and 32,<br>crossroads -----  | 39 15 02.6  | 91 36 35.6  | 4,634    |
| T. 52 N., R. 6 W., cor. secs. 28, 29, 32, and 33,<br>crossroads -----  | 39 15 00.6  | 91 35 27.9  | 5,330    |
| T. 52 N., R. 6 W., near E. sixteenth cor. between<br>secs. 28 and 33, 1.5 mi. S. of Farber, E. of<br>T-rd. W., in concrete post; standard tablet<br>stamped "T T Sta No 3 S 1927" -----  | 39 14 59.50 | 91 34 37.00 | 4,005    |
| T-rd. N. -----   | 39 15 12.4  | 91 34 20.2  | 1,856    |
| Hickory Creek, center of bridge over -----   | 39 15 10.7  | 91 33 18.8  | 4,830    |
| T-rd. E. -----   | 39 14 57.2  | 91 32 56.0  | 2,255    |
| T. 52 N., R. 6 W., cor. secs. 25, 26, 35, and 36,<br>T-rd. N. -----  | 39 14 55.2  | 91 32 05.4  | 3,986    |
| Farber, 3.2 mi. E., thence 1.5 mi. S. from, E.<br>cor. secs. 25 and 36, T. 52 N., R. 6 W., 20<br>ft. S. and 20 ft. W. from T-rd. W., inside<br>fence, in concrete post; standard tablet<br>stamped "T T Sta No 4 S 1927" -----                                     | 39 14 53.32 | 91 30 58.12 | 5,298    |
| Hickory Creek, center of bridge over -----   | 39 14 43.2  | 91 30 57.9  | 1,010    |
| T. 52 N., Rs. 5 and 6 W., S. cor. secs. 31 and<br>36, T-rd. N. -----   | 39 14 00.4  | 91 30 59.0  | 4,330    |
| T-rd. S. -----   | 39 13 58.4  | 91 30 08.5  | 4,060    |
| Mount Carmel, 1 mi. N., thence 1 mi. W. from,<br>cor. secs. 7, 8, 17, and 18, T. 51 N., R. 5 W.,<br>24 ft. (? 34) S. and 30 ft. W. from T-rd. W.,<br>in concrete post; standard tablet stamped "T T<br>Sta No 5 S 1927" -----                                      | 39 12 13.71 | 91 30 10.99 | 10,600   |
| T-rd. E. -----   | 39 11 47.8  | 91 30 10.9  | 2,620    |
| T. 51 N., R. 5 W., cor. secs. 17, 18, 19, and 20,<br>crossroads -----  | 39 11 21.3  | 91 30 11.3  | 2,680    |
| T-rd. W. -----   | 39 10 55.1  | 91 30 11.6  | 2,650    |
| T. 51 N., R. 5 W., quarter cor. between secs. 29<br>and 30, T-rd. E. -----   | 39 10 08.7  | 91 30 12.3  | 4,710    |
| Mount Carmel, 2 mi. S. and 1 mi. W. from, cor.<br>secs. 29, 30, 31, and 32, T. 51 N., R. 5 W.,<br>30 ft. S. and 20 ft. W. from T-rd. W., in<br>concrete post; standard tablet stamped "T T<br>Sta No 6 S 1927" -----   | 39 09 36.17 | 91 30 12.98 | 3,288    |
| Center of bridge -----   | 39 09 26.3  | 91 30 12.8  | 1,000    |
| Crossroads -----   | 39 09 10.1  | 91 30 13.3  | 1,640    |
| T. 51 N., R. 5 W., S. cor. secs. 31 and 32, stone<br>at T-rd. N. at rd. jog -----  | 39 08 43.2  | 91 30 13.9  | 2,720    |
| Middletown, 4.8 mi. W. of, cor. secs. 5, 6, 7,<br>and 8, T. 50 N., R. 5 W., 20 ft. N. and 20 ft.<br>E. from crossroads, inside fence, in concrete<br>post; standard tablet stamped "T T Sta No 7 S<br>1927" -----  | 39 07 39.52 | 91 30 13.06 | 6,444    |
| T-rd. N. -----   | 39 07 24.6  | 91 31 08.5  | 4,623    |
| T-rd. W. -----   | 39 07 32.9  | 91 32 16.5  | 5,428    |
| T. 50 N., R. 6 W., quarter cor. between secs. 3<br>and 10, 4 mi. N. of Wellsville, 33 ft. N. and<br>21 ft. W. from T-rd. W., in concrete post;<br>standard tablet stamped "T T Sta No 8 S 1927" -  | 39 07 48.71 | 91 33 55.88 | 7,989    |
| T. 50 N., R. 6 W., cor. secs. 4, 5, 8, and 9,<br>crossroads -----  | 39 07 50.5  | 91 35 36.2  | 7,010    |
| T. 50 N., R. 6 W., cor. secs. 5, 6, 7, and 8,<br>T-rd. E. -----  | 39 07 51.4  | 91 36 43.3  | 5,281    |
| T-rd. W. -----   | 39 07 32.0  | 91 36 44.4  | 1,958    |
| T-rd. E. -----   | 39 07 33.8  | 91 37 49.7  | 5,446    |



| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | " ' "       | " ' "       | Feet     |
| T. 50 N., Rs. 6 and 7 W., cor. secs. 1, 6, 7, and 12, 2 mi. N., thence 1 mi. E. from Martinsburg, 25 ft. N. and 30 ft. W. from T-rd. W., inside fence, in concrete post; standard tablet stamped "T T Sta No 9 S 1927" - | 39 07 59.20 | 91 37 48.79 | 2,569    |
| T. 50 N., R. 7 W., cor. secs. 1, 2, 11, and 12, crossroads -----   | 39 06 00.3  | 91 38 58.4  | 5,490    |
| T. 50 N., R. 7 W., cor. secs. 2, 3, 10, and 11, crossroads -----   | 39 06 01.4  | 91 40 06.9  | 5,391    |
| T. 50 N., R. 7 W., cor. secs. 3, 4, 9, and 10, 2 mi. N., thence 2 mi. W. from Martinsburg, 25 ft. S. and 20 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 10 S 1927" -----               | 39 08 01.13 | 91 41 15.49 | 5,407    |
| T. 50 N., R. 7 W., cor. secs. 4, 5, 8, and 9, crossroads -----   | 39 08 03.2  | 91 42 23.5  | 5,360    |
| T. 50 N., R. 7 W., cor. secs. 5, 6, 7, and 8, crossroads -----   | 39 08 02.6  | 91 43 29.5  | 5,201    |
| T T Sta No 26 M 1926 (previously described) -----  | 39 08 01.19 | 91 44 33.96 | 5,039    |

5. FROM SEC. 13, T. 49 N., R. 8 W., EAST TO SEC. 19, T. 49 N., R. 5 W., THENCE NORTH INTO BELLFLOWER QUADRANGLE AT SEC. 20, T. 50 N., R. 5 W. (by C. R. Fisher in 1928)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T Sta No 4 M 1927" (previously described) -----   | 39 00 54.96 | 91 44 51.70 | ..... |
| Crossroads -----  | 39 00 52.4  | 91 44 06.9  | 3,349 |
| T-rd. S. -----  | 39 00 51.8  | 91 43 33.5  | 2,635 |
| Rd. at fence N. -----   | 39 00 51.5  | 91 43 17.1  | 1,294 |
| Center of bridge over creek -----   | 39 00 51.4  | 91 42 46.7  | 2,400 |
| Rd. at fences N. and S. -----   | 39 00 51.2  | 91 42 36.0  | 850   |
| Rd. at fences N. and S. -----   | 39 00 50.6  | 91 41 55.1  | 3,226 |
| Shamrock, 0.8 mi. N. of, cor. secs. 15, 16, 21, and 22, T. 49 N., R. 7 W., 50 ft. S. and 30 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 1 F 1928" ----- | 39 00 49.84 | 91 41 39.08 | 1,267 |
| T. 49 N., R. 7 W., probable cor. secs. 14, 15, 22, and 23, crossroads -----   | 39 00 49.1  | 91 40 30.6  | 5,403 |
| Rd. corner from N.-E. -----   | 39 00 22.7  | 91 39 55.8  | 3,835 |

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

|                |            |            |         |
|----------------|------------|------------|---------|
| T-rd. E. ----- | 39 00 01.0 | 91 37 02.4 | (5,382) |
|----------------|------------|------------|---------|

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

|   |             |             |         |
|---|-------------|-------------|---------|
| Center of bridge over drain -----   | 39 00 16.2  | 91 30 21.0  | (2,903) |
| T. 49 N., R. 5 W., cor. secs. 17, 18, 19, and 20, rd. at fence E. -----   | 39 00 40.0  | 91 30 20.2  | 2,426   |
| Center of bridge over creek -----   | 39 01 16.8  | 91 30 19.2  | 3,724   |
| T. 49 N., R. 5 W., quarter cor. between secs. 7 and 8, 3 mi. N. of Montgomery City, 20 ft. S. and 20 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T Sta No 6 F 1928" -                | 39 01 58.93 | 91 30 18.18 | 4,259   |
| T. 49 N., R. 5 W., quarter cor. between secs. 5 and 6, crossroads -----   | 39 02 52.3  | 91 30 16.2  | 5,404   |
| Chicago, Burlington & Quincy R.R. over abandoned rd. -----  | 39 03 35.9  | 91 30 17.6  | 4,407   |
| T. 50 N., R. 5 W., cor. secs. 29, 30, 31, and 32, T-rd. N. -----  | 39 04 14.5  | 91 30 17.6  | 3,912   |
| T. 50 N., R. 5 W., cor. secs. 19, 20, 29, and 30, 3.5 mi. E., thence 1 mi. N. from Wellsville, 25 ft. N. and 30 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T Sta No 7 F 1928" ----- | 39 05 06.31 | 91 30 16.14 | 5,239   |
| Rd. fork S. -----   | 39 05 49.7  | 91 30 15.5  | 4,390   |

(Continued in Bellflower quadrangle; see line 1.)

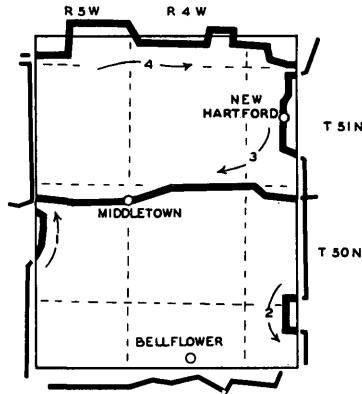
6. FROM SEC. 36, T. 52 N., R. 6 W., EAST INTO BELLFLOWER QUADRANGLE AT SEC. 32, T. 52 N., R. 5 W. (by C. R. Fisher in 1928)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T Sta No 4 S 1927 (previously described) ----- | 39 14 53.32 | 91 30 58.12 | ..... |
| Crossroads -----                                 | 39 14 50.2  | 91 30 01.1  | 4,493 |

(Continued in Bellflower quadrangle; see line 4.)

Magnetic declination 5° 30' E.

BELLFLOWER QUADRANGLE  
(Latitude 39°00'-39°15'; longitude 91°15'-91°30')  
Audrain, Lincoln, Montgomery, and Pike Counties



1. FROM WELLSVILLE QUADRANGLE AT SEC. 20, T. 50 N., R. 5 W., NORTH INTO WELLSVILLE QUADRANGLE AT SEC. 7, T. 50 N., R. 5 W. (by C. R. Fisher in 1928)  
(Continued from Wellsville quadrangle; see line 5.)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| T-rd. N. -----  | 39 05 51.9  | 91 29 56.8  | (1,491)  |
| Coon Creek, center of bridge over -----                           | 39 06 56.2  | 91 29 51.9  | 6,511    |
| T T Sta No 7 S 1927 (In Wellsville quadrangle; see line 4.) ----- | 39 07 39.52 | 91 30 13.06 | 4,697    |

2. FROM SILEX QUADRANGLE AT SEC. 4, T. 49 N., R. 3 W., SOUTH INTO SILEX QUADRANGLE AT SEC. 9, T. 49 N., R. 3 W. (by C. R. Fisher in 1928)  
(Continued from Silex quadrangle; see line 3.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Rd. at blazed tree -----  | 39 02 26.0  | 91 15 23.7  | (5,929) |
| Truxton, 2.2 mi. N. and 0.8 mi. W. from, on line between secs. 4 and 9, T. 49 N., R. 3 W., 85 ft. N. of T-rd. W., 2 ft. N. of fence, in concrete post; standard tablet stamped "T T Sta No 53 F 1928" ----- | 39 02 13.43 | 91 15 29.59 | 1,360   |
| Bear Creek, center of ford across -----   | 39 01 46.9  | 91 15 14.8  | 2,926   |

(Continued in Silex quadrangle; see line 3.)

3. FROM SILEX QUADRANGLE AT SEC. 4, T. 51 N., R. 3 W., SOUTH TO SEC. 4, T. 50 N., R. 3 W., THENCE WEST INTO WELLSVILLE QUADRANGLE AT SEC. 5, T. 50 N., R. 5 W. (by C. R. Fisher in 1928)  
(Continued from Silex quadrangle; see line 4.)

|  |             |             |         |
|--|-------------|-------------|---------|
| New Hartford, 1 mi. N. and 1 mi. E. from, on line between secs. 4 and 9, T. 51 N., R. 3 W., 30 ft. N. and 400 ft. E. from State Highway 29 at rd. E., 30 ft. N. of E.-W. rd., 24 ft. W. of abandoned N.-S. rd., in concrete post; standard tablet stamped "T T Sta No 58 F 1928" ----- | 39 12 51.42 | 91 15 13.02 | (6,556) |
| T. 51 N., R. 3 W., cor. secs. 8, 9, 16, and 17, T-rd. W. -----   | 39 11 58.4  | 91 15 32.6  | 5,561   |
| T-rd. E. -----   | 39 11 45.6  | 91 15 33.1  | 1,295   |
| Indian Creek, center of bridge over -----  | 39 10 59.6  | 91 15 34.4  | 4,655   |
| T. 51 N., R. 3 W., quarter cor. between secs. 20 and 21, T-rd. E. -----  | 39 10 36.4  | 91 15 35.0  | 2,152   |
| New Hartford, 0.8 mi. E., thence 2 mi. S. from, cor. secs. 20, 21, 28, and 29, T. 51 N., R. 3 W., 30 ft. S. and 30 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T Sta No 59 F 1928" -----  | 39 10 11.43 | 91 15 36.06 | 2,727   |
| T. 51 N., R. 3 W., quarter cor. between secs. 28 and 29, crossroads -----  | 39 09 45.0  | 91 15 36.4  | 2,670   |
| T. 51 N., R. 3 W., cor. secs. 28, 29, 32, and 33, T-rd. N. -----   | 39 09 18.2  | 91 15 37.0  | 2,720   |

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

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| T. 50 N., R. 3 W., cor. secs. 4, 5, 6, and 9,<br>T-rd. S. -----   | 39 07 35.3  | 91 15 37.4  | (5,295)  |
| T-rd. E. -----  | 39 07 49.0  | 91 16 45.4  | 5,539    |
| T. 50 N., R. 3 W., quarter cor. between secs. 5<br>and 6, T-rd. W. -----  | 39 08 02.1  | 91 16 45.1  | 1,325    |
| Marling, 0.8 mi. E. of, 20 ft. S. and 25 ft. W.<br>from E. quarter cor. sec. 1, T. 50 N., R. 4 W.,<br>15 ft. W. of fence corner, in concrete post;<br>standard tablet stamped "T T Sta No 60 F 1928"----- | 39 08 05.21 | 91 17 42.14 | 4,504    |
| Marling, T-rd. S. at -----  | 39 08 02.4  | 91 18 33.6  | 4,065    |
| T. 50 N., R. 4 W., quarter cor. between secs. 1<br>and 2, T-rd. N. -----  | 39 08 01.5  | 91 18 50.2  | 1,316    |
| T. 50 N., R. 4 W., quarter cor. between secs. 2<br>and 3, T-rd. W. -----  | 39 08 01.9  | 91 19 58.2  | 5,360    |
| Middletown, 3 mi. E. of, in E 1/2 sec. 4,<br>T. 50 N., R. 4 W., 20 ft. W. of T-rd. E., in<br>concrete post; standard tablet stamped "T T<br>Sta No 61 F 1928" -----                                       | 39 08 01.48 | 91 21 16.20 | 6,145    |
| T-rd. S. -----  | 39 08 30.4  | 91 21 23.1  | 2,971    |
| T-rd. E. on line between secs. 4 and 33, Tps. 50<br>and 51 N., R. 4 W. -----  | 39 08 30.9  | 91 21 54.3  | 2,460    |
| Rd. fork S. -----   | 39 07 57.8  | 91 22 32.8  | 4,569    |
| Center of bridge over creek -----   | 39 07 41.3  | 91 23 08.4  | 3,194    |
| T-rd. N. -----  | 39 07 34.4  | 91 23 43.2  | 2,836    |
| Middletown, in SW 1/4 sec. 1, T. 50 N., R. 5 W.,<br>25 ft. W. of NE. corner of yard of high school,<br>1 ft. S. of sidewalk, in concrete post;<br>standard tablet stamped "T T Sta No 62 F 1928"-----     | 39 07 38.88 | 91 24 34.34 | 4,053    |
| Middletown, flagpole at intersection of main<br>streets -----   | 39 07 37.0  | 91 24 49.8  | 1,235    |
| Rd. fork N. -----   | 39 07 53.6  | 91 25 56.3  | 5,499    |
| T-rd. E. -----  | 39 07 57.0  | 91 26 29.9  | 2,671    |
| Middletown, 2 mi. W. of, in SE 1/4 sec. 3,<br>T. 50 N., R. 5 W., 20 ft. E. of T-rd. W., in<br>concrete post; standard tablet stamped "T T<br>Sta No 63 F 1928" -----                                      | 39 07 44.71 | 91 27 03.78 | 2,950    |
| Rd. at fence N. -----   | 39 07 45.4  | 91 27 20.8  | 1,345    |
| Center of bridge over creek -----   | 39 07 46.1  | 91 27 41.5  | 1,633    |
| T. 50 N., R. 5 W., cor. secs. 4, 5, 8, and 9,<br>T-rd. W. -----   | 39 07 36.2  | 91 29 04.1  | 6,585    |
| T T Sta No 7 S 1927 (In Wellsville quadrangle;<br>see line 4.) -----  | 39 07 39.52 | 91 30 13.06 | 5,444    |

4. FROM WELLSVILLE QUADRANGLE AT SEC. 32, T. 52 N., R. 5 W., EAST INTO SILEX  
QUADRANGLE AT SEC. 33, T. 52 N., R. 3 W., INCLUDING THAT PART OF THE  
LINE IN VANDALIA QUADRANGLE (by C. R. Fisher in 1928)  
(Continued from Wellsville quadrangle; see line 6.)

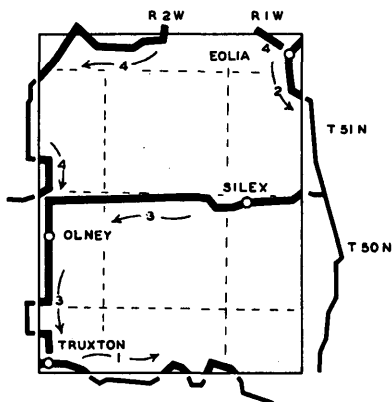
|  |             |             |         |
|--|-------------|-------------|---------|
| T. 52 N., R. 5 W., cor. secs. 28, 29, 32, and<br>33, crossroads -----  | 39 14 48.8  | 91 28 54.3  | (5,265) |
| T. 52 N., R. 5 W., cor. secs. 27, 28, 33, and 34,<br>crossroads -----  | 39 14 46.9  | 91 27 46.5  | 5,330   |
| Estes, 4.5 mi. W. and 1 mi. N. from, quarter<br>cor. between secs. 27 and 28, T. 52 N.,<br>R. 5 W., 25 ft. W. of T-rd. E., in concrete<br>post; standard tablet stamped "T T Sta No 64<br>F 1928" -----                                      | 39 15 13.34 | 91 27 46.18 | 2,671   |
| T. 52 N., R. 5 W., quarter cor. between secs. 26<br>and 27, rd. at fences N. and S. -----  | 39 15 11.2  | 91 26 38.2  | 5,355   |
| Crossroads -----   | 39 15 10.3  | 91 26 04.3  | 2,664   |
| Shady Branch, center of bridge over -----  | 39 15 08.4  | 91 25 14.7  | 3,905   |
| Estes, 1.5 mi. W. and 1 mi. N. from, approximate<br>quarter cor. between secs. 25 and 30, T. 52 N.,<br>Rs. 4 and 5 W., 75 ft. S. and 20 ft. E. from<br>crossroads, in concrete post; standard tablet<br>stamped "T T Sta No 65 F 1928" ----- | 39 15 06.06 | 91 24 22.46 | 4,117   |
| T. 52 N., Rs. 4 and 5 W., cor. secs. 25, 30, 31,<br>and 36, stone at center of crossroads -----  | 39 14 40.0  | 91 24 23.3  | 2,642   |
| T-rd. E. -----   | 39 14 27.2  | 91 24 23.6  | 1,290   |
| T-rd. W. -----   | 39 14 25.9  | 91 23 07.4  | 6,000   |
| T-rd. S. -----   | 39 14 13.3  | 91 21 42.9  | 6,763   |
| Estes, 1 mi. E. of, near center sec. 33,<br>T. 52 N., R. 4 W., 20 ft. N. of T-rd. N.,<br>3 ft. W. of SE. corner of fence around yard,<br>in concrete post; standard tablet stamped "T T<br>Sta No 66 F 1928" -----                           | 39 14 15.51 | 91 21 26.96 | 1,275   |
| Crossroads -----   | 39 14 19.2  | 91 20 51.2  | 2,833   |
| Rd. fork S. -----  | 39 14 29.9  | 91 20 00.3  | 4,152   |
| Indian Creek, center of bridge over -----  | 39 14 42.3  | 91 19 35.0  | 2,359   |
| T-rd. N. -----   | 39 15 00.3  | 91 19 07.6  | 2,822   |
| Farmer, 0.5 mi. S. of, quarter cor. between<br>secs. 25 and 26, T. 52 N., R. 4 W., 20 ft. S.<br>and 25 ft. E. from crossroads, in concrete<br>post; standard tablet stamped "T T Sta No 67<br>F 1928" -----                                  | 39 14 59.79 | 91 18 33.61 | 2,675   |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| T-rd. E. -----  | 39 14 46.3  | 91 18 00.6  | 2,935    |
| Farmer, 1 mi. S. and 1.8 mi. E. from, cor. secs. 29, 30, 31, and 32, T. 52 N., R. 3 W., 25 ft. N. and 20 ft. E. from rd. corner N.-E., in concrete post; standard tablet stamped "T T Sta No 68 F 1928" ----- | 39 14 33.71 | 91 16 32.13 | 7,073    |
| T-rd. E. -----  | 39 13 56.8  | 91 16 16.2  | 3,939    |
| Rd. corner -----  | 39 13 53.7  | 91 15 26.3  | 3,933    |
| T-rd. S. (In Silex quadrangle; see line 4.) -----   | 39 13 53.6  | 91 14 50.6  | 2,812    |

Magnetic declination 5° 30' E.

SILEX QUADRANGLE  
(Latitude 39°00'-39°15'; longitude 91°00'-91°15')

Lincoln and Pike Counties



1. FROM BELLFLOWER QUADRANGLE AT SEC. 21, T. 49 N., R. 3 W., EAST AND SOUTH INTO WARRENTON QUADRANGLE AT SEC. 19, T. 49 N., R. 1 W. (by C. R. Fisher in 1928)  
(Continued from New Florence quadrangle; see line 1.)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| Truxton, at NW. limits of, in NW 1/4 sec. 22, T. 49 N., R. 3 W., 25 ft. S. and 40 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 12 F 1928" -----          | 39 00 16.43 | 91 14 39.27 | (6,572)  |
| T-rd. N. -----  | 39 00 00.0  | 91 14 07.7  | 3,000    |
| (For balance in Warrenton quadrangle, see line 1.)  |             |             |          |
| T. 49 N., R. 2 W., cor. secs. 16, 17, 20, and 21, T-rd. E. -----  | 39 00 23.7  | 91 08 56.5  | (4,281)  |
| T. 49 N., R. 2 W., cor. secs. 15, 16, 21, and 22, 2.5 mi. N. of Hawk Point, 10 ft. S. and 20 ft. E. from T-rd. W., in concrete post; standard tablet stamped "T T Sta No 14 F 1928" ----- | 39 00 24.59 | 91 07 45.52 | 5,603    |
| Ford across creek -----   | 39 00 07.0  | 91 07 45.6  | 1,780    |
| (For balance in Warrenton quadrangle, see line 1.)  |             |             |          |
| T-rd. E. -----  | 39 00 24.3  | 91 06 02.7  | (5,519)  |
| T-rd. N. -----  | 39 00 24.1  | 91 05 43.0  | 1,555    |
| T-rd. S. on line between secs. 23 and 24, T. 49 N., R. 2 W. -----   | 39 00 23.9  | 91 05 25.4  | 1,390    |
| Ford across creek -----   | 39 00 02.2  | 91 04 25.7  | 5,193    |
| (Continued in Warrenton quadrangle; see line 1.)  |             |             |          |

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| 2. FROM ELSBERRY QUADRANGLE NEAR EOLIA SOUTH AND EAST INTO ELSBERRY QUADRANGLE AT SEC. 3, T. 51 N., R. 1 W. (by C. R. Fisher in 1928)  |             |             |          |
| Rd. at fences N. and S. (in Nebo quadrangle) ----  | 39 15 10.9  | 90 59 41.6  | .....    |
| Eolia, at N. limits of, 20 ft. S. and 30 ft. E. from Eolia-Stark Nursery rd. at junction of rd. E. to cemetery, in concrete post; standard tablet stamped "T T Sta No 31 F 1928" ----- | 39 14 44.85 | 91 00 28.33 | 4,522    |
| Eolia, T-rd. E. at -----   | 39 13 55.3  | 91 00 29.6  | 5,015    |

(Continued in Elsberry quadrangle; see line 3.)

|  |             |             |         |
|--|-------------|-------------|---------|
| 3. FROM ELSBERRY QUADRANGLE AT SEC. 3, T. 50 N., R. 1 W., WEST TO SEC. 4, T. 50 N., R. 3 W., THENCE SOUTH TO TRUXTON (by C. R. Fisher in 1928)<br>(Continued from Elsberry quadrangle; see line 4.)        |             |             |         |
| T-rd. N. -----   | 39 07 45.6  | 91 00 37.4  | (7,000) |
| Silex, 2 mi. E. of, along County Route E, in SE 1/4 sec. 4, T. 50 N., R. 1 W., 20 ft. N. and 65 ft. W. from junction of rd. N., in concrete post; standard tablet stamped "T T Sta No 47 F 1928" -----     | 39 07 22.23 | 91 01 01.96 | 3,058   |
| Rd. at fences N. and S. -----  | 39 07 25.6  | 91 01 44.8  | 3,396   |
| T-rd. S. -----   | 39 07 26.4  | 91 02 01.8  | 1,340   |
| Rd. fork N. -----  | 39 07 32.7  | 91 02 42.0  | 3,235   |
| Rd. fork N. -----  | 39 07 29.7  | 91 02 51.5  | 803     |
| Silex, in sec. 6, T. 50 N., R. 1 W., 70 ft. N. of old St. Louis & Hannibal R.R. sta., at S. edge of sidewalk, in concrete post; standard tablet stamped "T T Sta No 48 F 1928" -----                       | 39 07 23.78 | 91 03 15.09 | 1,954   |
| Rd. fork N. -----  | 39 07 26.1  | 91 03 39.2  | 1,917   |
| North Fork of Cuivre River, center of bridge over Rd. fork S. -----  | 39 07 19.3  | 91 03 56.1  | 1,500   |
| T. 50 N., R. 2 W., cor. secs. 1, 2, 11, and 12, curve in rd. -----   | 39 07 06.3  | 91 04 45.6  | 4,115   |
| T. 50 N., R. 2 W., cor. secs. 2, 3, 10, and 11, T-rd. S. -----   | 39 07 29.3  | 91 05 12.1  | 3,127   |
| T-rd. S. -----   | 39 07 29.7  | 91 06 18.6  | 5,240   |
| Silex, about 4.2 mi. W. of, cor. secs. 3, 4, 9, and 10, T. 50 N., R. 2 W., 30 ft. N. and 25 ft. E. from T-rd. N., in concrete post; standard tablet stamped "T T Sta No 49 F 1928" -----                   | 39 07 30.7  | 91 07 09.1  | 3,980   |
| Rd. fork SW., 260 ft. E. of cor. secs. 4, 5, 8, and 9, T. 50 N., R. 2 W. -----   | 39 07 31.38 | 91 07 25.30 | 1,283   |
| T. 50 N., R. 2 W., cor. secs. 5, 6, 7, and 8, crossroads -----   | 39 07 32.5  | 91 08 31.0  | 5,179   |
| Corso, W. cor. secs. 6 and 7, T. 50 N., R. 2 W., 30 ft. S. and 25 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T Sta No 50 F 1928" -----   | 39 07 33.2  | 91 09 43.1  | 5,680   |
| T. 50 N., R. 3 W., E. cor. secs. 1 and 12, T-rd. W. -----  | 39 07 33.14 | 91 11 08.34 | 6,720   |
| Junction of lane N. -----  | 39 07 38.5  | 91 11 08.1  | 540     |
| Rd. fork S. -----  | 39 07 37.5  | 91 12 12.7  | 5,095   |
| T. 50 N., R. 3 W., quarter cor. between secs. 2 and 11, stone -----  | 39 07 27.6  | 91 12 33.7  | 1,933   |
| T. 50 N., R. 3 W., cor. secs. 2, 3, 10, and 11, rd. at fence S. -----  | 39 07 36.9  | 91 12 47.2  | 1,424   |
| Olney, 2.8 mi. N. of, cor. secs. 3, 4, 9, and 10, T. 50 N., R. 3 W., 30 ft. N. and 25 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 51 F 1928" -----                       | 39 07 36.5  | 91 13 21.8  | 2,725   |
| T. 50 N., R. 3 W., cor. secs. 9, 10, 15, and 16, T-rd. E. -----  | 39 07 35.68 | 91 14 30.22 | 5,394   |
| T. 50 N., R. 3 W., cor. secs. 15, 16, 21, and 22, T-rd. E. -----   | 39 06 42.1  | 91 14 31.5  | 5,425   |
| T-rd. W. -----   | 39 05 49.1  | 91 14 33.0  | 5,366   |
| Olney, cor. secs. 21, 22, 27, and 28, T. 50 N., R. 3 W., 25 ft. N. and 30 ft. E. from T-rd. W., in SW. corner of schoolyard, in concrete post; standard tablet stamped (in error) "T T No 51 F 1928" ----- | 39 05 22.5  | 91 14 33.8  | 2,695   |
| T-rd. E. -----   | 39 04 56.36 | 91 14 34.29 | 2,643   |
| T. 50 N., R. 3 W., cor. secs. 27, 28, 33, and 34, rd. at fence E. -----  | 39 04 28.9  | 91 14 35.2  | 2,780   |
| West Fork of Cuivre River, center of ford at main channel -----  | 39 04 02.4  | 91 14 36.1  | 2,688   |
|  | 39 03 18.3  | 91 14 49.8  | 4,588   |
| (For balance in Bellflower quadrangle, see line 2.)  |             |             |         |
| Rd. fork N. -----  | 39 01 27.3  | 91 14 39.8  | (3,400) |
| Center of bridge -----   | 39 00 52.9  | 91 14 40.7  | 3,480   |
| T T Sta No 12 F 1928 (previously described) -----  | 39 00 16.43 | 91 14 39.27 | 3,694   |

\*It was reported by B. R. Williams, July 16, 1938, that this monument had been moved 26 ft. N. and 11 ft. W. from given description and position.

| Station | Latitude | Longitude | Distance |
|---------|----------|-----------|----------|
|         | ° ' "    | ° ' "     | Feet     |

4. FROM EOLIA WEST TO SEC. 33, T. 52 N., R. 3 W., THENCE SOUTH AND WEST INTO BELLFLOWER QUADRANGLE AT SEC. 4, T. 50 N., R. 3 W. (by C. R. Fisher in 1928)

|  |             |             |       |
|--|-------------|-------------|-------|
| T T Sta No 31 F 1928 (previously described) -----  | 39 14 44.85 | 91 00 28.33 | ..... |
| Rd. fork E. -----  | 39 14 44.4  | 91 01 19.1  | 3,993 |
| T-rd. W. (in Bowling Green quadrangle) -----   | 39 15 01.8  | 91 02 05.1  | 4,027 |
| Rd. at fence W. (in Bowling Green quadrangle) -----  | 39 15 21.8  | 91 07 49.1  | ..... |
| T. 52 N., R. 2 W., quarter cor. between secs. 28 and 33, crossroads -----  | 39 14 28.5  | 91 07 50.6  | 5,395 |
| Center of bridge over creek -----  | 39 14 28.3  | 91 08 30.2  | 3,114 |
| T-rd. N. -----   | 39 14 30.5  | 91 09 32.8  | 4,936 |
| Ashley, 3 mi. E. and 1 mi. S. from, in E 1/2 sec. 31, T. 52 N., R. 2 W., 25 ft. N. and 10 ft. E. from T-rd. W., in concrete post; standard tablet stamped "T T No 56 F 1928" ----- | 39 14 04.77 | 91 09 54.21 | 3,101 |
| Rd. fork E. -----  | 39 14 07.4  | 91 11 59.4  | 9,858 |
| Center of small bridge -----   | 39 14 29.7  | 91 12 29.9  | 3,293 |
| T T Sta No 57 F 1928 (in Bowling Green quadrangle) -----   | 39 15 07.94 | 91 13 16.53 | 5,331 |
| Center of bridge -----   | 39 14 49.6  | 91 13 37.4  | 2,484 |
| North Fork of Cuivre River, center of bridge over T-rd. S. -----   | 39 14 05.0  | 91 14 28.2  | 6,026 |
|  | 39 13 53.6  | 91 14 50.6  | 2,104 |

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

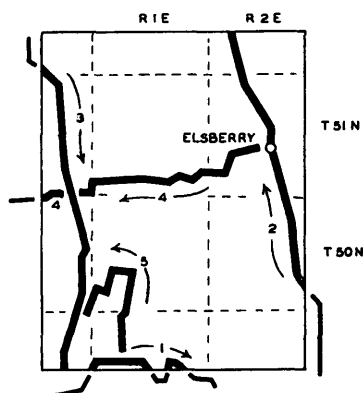
|  |             |             |       |
|--|-------------|-------------|-------|
| T. 51 N., R. 3 W., cor. secs. 27, 28, 33, and 34, T-rd. S. ----- | 39 09 16.9  | 91 14 29.0  | 5,350 |
| Center of bridge over creek -----                                | 39 08 29.7  | 91 14 30.9  | 4,775 |
| T. 50 N., R. 3 W., N. cor. secs. 3 and 4, T-rd. S. -----         | 39 08 23.4  | 91 14 28.3  | 668   |
| T T Sta No 51 F 1928 (previously described) -----                | 39 07 35.68 | 91 14 30.22 | 4,835 |

(Continued in Bellflower quadrangle; see line 3.)

Magnetic declination 5° 30' E.

ELSBERRY QUADRANGLE  
(Latitude 39°00'-39°15'; longitude 90°45'-91°00')

Lincoln and Pike Counties



1. FROM TROY QUADRANGLE AT SEC. 24, T. 49 N., R. 1 W., EAST INTO TROY QUADRANGLE AT SEC. 24, T. 49 N., R. 1 E. (by C. R. Fisher in 1928)  
(Continued from Troy quadrangle; see line 1.)

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| T. 49 N., Rs. 1 E. and 1 W., approximate cor. secs. 13, 18, 19, and 24, rd. at fence N. -----   | 39 00 10.5  | 90 57 17.5  | (4,841)  |
| Troy, 2 mi. E. and 1.8 mi. N. from, cor. secs. 17, 18, 19, and 20, T. 49 N., R. 1 E., 25 ft. S. and 15 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T Sta No 17 F 1928" ----- | 39 00 13.63 | 90 56 08.33 | 5,469    |

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
| Sugar Creek, ford across -----  | 39 00 13.2  | 90 55 41.6  | 2,107    |
| Rd. fork N. -----   | 39 00 26.1  | 90 54 42.5  | 4,847    |
| Center of ford -----  | 39 00 27.9  | 90 54 09.5  | 2,614    |
| E. junction of rd. N. -----   | 39 00 37.1  | 90 53 03.4  | 5,300    |
| Troy, 5 mi. E. and 1.5 mi. N. from, in SE 1/4<br>sec. 15, T. 49 N., R. 1 E., 30 ft. E. of rd.,<br>15 ft. N. of gate at rd. E. to field, in fence<br>corner, in concrete post; standard tablet<br>stamped "T T Sta No 18 F 1928" ----- | 39 00 21.55 | 90 53 01.56 | 1,577    |
| (For balance in Troy quadrangle, see line 1.)   |             |             |          |
| Crossroads -----  | 39 00 03.7  | 90 52 12.1  | (4,345)  |
| T. 49 N., R. 1 E., cor. secs. 13, 14, 23, and 24,<br>State Highway 47 at crossroad -----  | 39 00 09.2  | 90 51 39.4  | 2,636    |
| (Continued in Troy quadrangle; see line 1.)   |             |             |          |

2. FROM HARDIN QUADRANGLE NORTHWEST ALONG CHICAGO, BURLINGTON & QUINCY  
RAILROAD INTO NEBO QUADRANGLE (by C. R. Fisher in 1928)  
(Continued from Hardin quadrangle; see line 1.)

|   |             |             |         |
|---|-------------|-------------|---------|
| Knox triangulation sta.; M.R.C. limestone post<br>designated "Knox" -----   | 39 05 44.55 | 90 45 38.02 | (3,182) |
| R.R. at rd. crossing -----  | 39 06 38.3  | 90 45 18.7  | 5,646   |
| T-rd. E. -----  | 39 06 55.2  | 90 45 26.0  | 1,801   |
| Center of bridge over creek -----   | 39 07 21.9  | 90 45 39.8  | 2,909   |
| Elsberry, about 3 mi. S. of, along Chicago,<br>Burlington & Quincy R.R., 45 ft. E. of track,<br>25 ft. S. and 20 ft. W. from T-rd. W., in<br>concrete post; standard tablet stamped "T T<br>Sta No 24 F 1928" -----                                   | 39 07 27.89 | 90 45 42.09 | 634     |
| R.R. at private rd. crossing -----  | 39 08 06.2  | 90 46 01.0  | 4,157   |
| S. switch point for siding W. of main track at<br>rock quarry -----   | 39 08 56.1  | 90 46 23.1  | 5,335   |
| R.R. at private rd. crossing -----  | 39 09 08.1  | 90 46 28.2  | 1,275   |
| Center of bridge over creek -----   | 39 09 18.4  | 90 46 32.4  | 1,090   |
| Center of bridge over creek -----   | 39 09 45.9  | 90 46 43.6  | 2,925   |
| Elsberry, 10 ft. N. and 115 ft. W. from Chicago,<br>Burlington & Quincy R.R. track in front of<br>sta., at SW. corner of fence around sta. park,<br>in concrete post; standard tablet stamped "T T<br>Sta No 25 F 1928" -----                         | 39 09 59.73 | 90 46 50.70 | 1,505   |
| Elsberry, at N. limits of, 10 ft. N. and 50 ft.<br>W. from Chicago, Burlington & Quincy R.R. at<br>rd. crossing, 12 ft. N. and 115 ft. E. from<br>T-rd. S., 3 ft. N. of fence corner, in concrete<br>post; standard tablet stamped "5 L J 1928" ----- | 39 10 21.49 | 90 46 58.60 | 2,289   |
| R.R. at milepost 69 -----   | 39 10 37.2  | 90 47 04.4  | 1,647   |
| Center of bridge over creek -----   | 39 11 28.9  | 90 47 22.3  | 5,427   |
| T-rd. E. -----  | 39 12 03.6  | 90 47 30.4  | 3,569   |
| R.R. at private rd. crossing -----  | 39 12 35.6  | 90 47 45.5  | 3,445   |
| Dameron, S. switch point for siding E. of main<br>track -----   | 39 12 39.4  | 90 47 47.6  | 415     |
| Dameron, 200 ft. S. of Chicago, Burlington &<br>Quincy R.R. sta., 30 ft. S. and 50 ft. W. from<br>W. track at rd. crossing, 5 ft. S. of fence<br>corner, in concrete post; standard tablet<br>stamped "4 L J 1928" -----                              | 39 13 03.48 | 90 48 01.47 | 2,670   |
| Dameron, N. switch point for siding -----   | 39 13 26.9  | 90 48 13.6  | 2,551   |
| R.R. at rd. crossing -----  | 39 13 46.0  | 90 48 24.1  | 2,105   |
| Center of bridge over creek -----   | 39 14 36.3  | 90 48 51.8  | 5,530   |
| T T Sta No 3 L J 1928 (in Nebo quadrangle) -----  | 39 15 13.81 | 90 49 13.15 | 4,152   |

3. FROM SILEX QUADRANGLE AT SEC. 3, T. 51 N., R. 1 W., SOUTH INTO TROY  
QUADRANGLE AT SEC. 23, T. 49 N., R. 1 W. (by C. R. Fisher in 1928)  
(Continued from Sillex quadrangle; see line 2.)

|  |             |             |          |
|--|-------------|-------------|----------|
| Rd. fork W. -----  | 39 12 25.9  | 90 59 22.1  | (10,488) |
| Liles School, about 800 ft. S. of, near SW. cor.<br>sec. 11, T. 51 N., R. 1 W., 35 ft. N. and 25<br>ft. E. from rd. at lane NE., in concrete post;<br>standard tablet stamped "T T Sta No 32 F 1928" ----- | 39 11 43.12 | 90 59 21.96 | 4,327    |
| Rd. fork E. -----  | 39 11 13.4  | 90 59 18.8  | 3,020    |
| Crossroads -----   | 39 10 23.2  | 90 58 59.7  | 5,297    |
| Mill Creek, center of bridge over -----  | 39 09 29.5  | 90 59 09.4  | 5,482    |
| Mill Creek Church, 10 ft. S. and 45 ft. E. from<br>SE. corner of, 140 ft. S. and 10 ft. W. from<br>N. branch of rd. forks, in concrete post;<br>standard tablet stamped "T T Sta No 33 F 1928" -----       | 39 09 21.56 | 90 59 05.89 | 853      |
| Rd. fork W. -----  | 39 09 00.3  | 90 58 53.9  | 2,353    |
| T-rd. E. -----   | 39 08 18.8  | 90 58 35.0  | 4,454    |

\*Mississippi River Commission.

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | " ' "       | " ' "       | Feet     |
| Auburn Community Center, 20 ft. N. and 30 ft. W. from crossroads, in concrete post; standard tablet stamped "T T Sta No 34 F 1928" -----  | 39 07 41.77 | 90 58 26.19 | 3,805    |
| T. 50 N., R. 1 W., cor. secs. 1, 2, 11, and 12, rd. at fence W. -----   | 39 07 14.9  | 90 58 17.5  | 2,807    |
| T-rd. E. on line between secs. 12 and 13, T. 50 N., R. 1 W. -----   | 39 06 21.0  | 90 58 02.8  | 5,572    |
| T-rd. W. -----  | 39 05 54.4  | 90 57 59.4  | 2,700    |
| Auburn, 3 mi. S. of, 235 ft. E. of quarter cor. between secs. 23 and 24, T. 50 N., R. 1 W., 30 ft. S. and 20 ft. E. from crossroads, in concrete post; standard tablet stamped "T T Sta No 35 F 1928" -----         | 39 05 01.95 | 90 58 17.01 | 5,491    |
| T. 50 N., R. 1 W., cor. secs. 23, 24, 25, and 26, rd. at fence W. -----   | 39 04 36.0  | 90 58 20.6  | 2,644    |
| Rd. at fences E. and W. -----   | 39 03 32.4  | 90 58 03.8  | 6,564    |
| Crossroads -----  | 39 03 12.9  | 90 58 01.6  | 1,985    |
| Rd. fork E. on line between secs. 1 and 36, Tps. 49 and 50 N. R. 1 W. -----   | 39 02 48.4  | 90 58 12.8  | 2,630    |
| Troy, about 5 mi. N. of, in NE 1/4 sec. 2, T. 49 N., R. 1 W., 40 ft. S. and 15 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T Sta No 36 F 1928" -----   | 39 02 34.86 | 90 58 23.17 | 1,597    |
| T-rd. W. -----  | 39 02 20.0  | 90 58 46.0  | 2,343    |
| Rd. fork E. -----   | 39 01 54.4  | 90 58 58.7  | 2,776    |
| Cuivre River, center of bridge over -----   | 39 00 58.5  | 90 59 17.5  | 5,854    |
| Troy, 1.8 mi. N. of, in SW 1/4 sec. 14, T. 49 N., R. 1 W., 120 ft. N. and 30 ft. W. from St. Louis & Hannibal R.R. crossing U.S. Highway 61, in concrete post; standard tablet stamped "T T Sta No 37 F 1928" ----- | 39 00 13.89 | 90 59 21.50 | 4,521    |
| T-rd. S. (In Troy quadrangle; see line 1.) -----  | 38 58 28.8  | 90 59 35.8  | 10,688   |

4. FROM ELSBERRY WEST INTO SILEX QUADRANGLE AT SEC. 3, T. 50 N., R. 1 W.  
(by C. R. Fisher in 1928)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T Sta No 25 F 1928 (previously described) -----   | 39 09 59.73 | 90 46 50.70 | ..... |
| Elsberry, intersection of streets -----   | 39 09 53.4  | 90 47 04.1  | 1,231 |
| Center of bridge over creek -----   | 39 09 42.6  | 90 47 11.8  | 1,257 |
| T-rd. N. -----  | 39 09 35.5  | 90 47 39.6  | 2,307 |
| Rd. fork N. -----   | 39 09 09.0  | 90 48 47.5  | 5,985 |
| T-rd. S. -----  | 39 08 49.8  | 90 49 15.3  | 2,923 |
| Elsberry, about 3.5 mi. W. of, W. quarter cor. sec. 31, T. 51 N., R. 2 E., 45 ft. N. and 200 ft. E. from T-rd. N., in SE. corner of churchyard, in concrete post; standard tablet stamped "T T Sta No 26 F 1928" -----        | 39 08 33.75 | 90 50 21.64 | 5,475 |
| New Hope, crossroads at -----   | 39 08 12.0  | 90 51 49.2  | 7,245 |
| Rd. at fence N. on line between secs. 34 and 35, T. 51 N., R. 1 E. -----  | 39 08 33.2  | 90 52 31.4  | 3,953 |
| New Hope, 0.2 mi. N., thence 1.3 mi. E. from, center sec. 34, T. 51 N., R. 1 E., 25 ft. S. and 20 ft. E. from T-rd. N., in concrete post; standard tablet stamped "T T Sta No 27 F 1928" ** -----                             | 39 08 32.71 | 90 53 13.61 | 3,342 |
| T-rd. N. -----  | 39 08 33.2  | 90 53 48.4  | 2,728 |
| Rd. at fence N. -----   | 39 08 06.6  | 90 54 49.3  | 5,496 |
| T-rd. S. -----  | 39 08 06.5  | 90 55 54.8  | 5,165 |
| Auburn, about 2 mi. E. of, N. cor. secs. 5 and 6, T. 50 N., R. 1 E., 25 ft. S. and 560 ft. W. from T-rd. S., in NE. corner of yard of Souls Chapel, in concrete post; standard tablet stamped "T T Sta No 38 F 1928" ** ----- | 39 08 06.20 | 90 56 01.94 | 561   |
| T-rd. SE. -----   | 39 07 52.3  | 90 57 08.8  | 5,448 |
| T T Sta No 34 F 1928 (previously described) -----   | 39 07 41.77 | 90 58 26.19 | 6,195 |
| T-rd. W. -----  | 39 08 01.0  | 90 59 10.8  | 4,023 |

(Continued in Silex quadrangle; see line 3.)

5. FROM SEC. 17, T. 49 N., R. 1 E., NORTH TO SEC. 29, T. 50 N., R. 1 E.,  
THENCE SOUTHWEST TO SEC. 1, T. 49 N., R. 1 W. (by W. R. Broadus in 1934)

|   |             |             |       |
|---|-------------|-------------|-------|
| T T Sta No 17 F 1928 (previously described) ----- | 39 00 13.63 | 90 56 08.33 | ..... |
| T-rd. N. -----                                    | 39 00 13.5  | 90 55 42.7  | 2,025 |
| Rd. at triangular-blazed sycamore tree -----      | 39 00 42.2  | 90 55 51.4  | 2,986 |
| Rd. forks at foot of hill -----                   | 39 01 22.6  | 90 55 46.8  | 4,100 |
| Rd. corner from W.-N. -----                       | 39 01 32.8  | 90 55 32.7  | 1,523 |
| Rd. corner from W.-N. -----                       | 39 01 59.2  | 90 55 24.0  | 2,752 |

\* It was reported by State Highway Department in April, 1934, that this monument was moved 10 ft. S. and 13 ft. E. of described location and position.

\*\* It was reported by State Highway Department in 1935, that this monument was moved 10 ft. S. of described location and position.

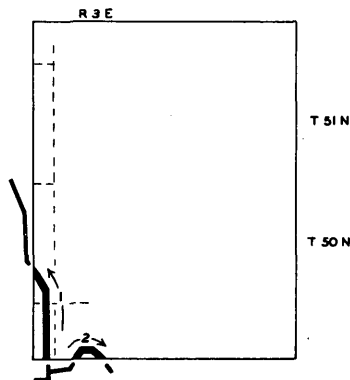


| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| T. 49 N., R. 1 E., center of SE 1/4 sec. 5,<br>125 ft. S. and 12 ft. E. from rd. at fence<br>W., 830 ft. S. of dwelling of John Holt, on<br>summit of ridge, 12 ft. E. of rd., 13 ft. N.<br>and 2 ft. W. from fence corner, in concrete<br>post; standard tablet stamped "T T 1 B 1934" -- | 39 02 10.32 | 90 55 15.04 | 1,331    |
| T-rd. S. -----   | 39 02 46.1  | 90 55 17.4  | 3,628    |
| T. 50 N., R. 1 E., S. cor. secs. 32 and 33,<br>T-rd. N., 245 ft. W. of rd. at fence S. at N.<br>cor. secs. 4 and 5, T. 49 N., R. 1 E. -----  | 39 02 46.2  | 90 55 00.8  | 1,310    |
| T. 50 N., R. 1 E., quarter cor. between secs. 32<br>and 33, rd. at fences E. and W. -----  | 39 03 12.8  | 90 55 00.6  | 2,690    |
| T. 50 N., R. 1 E., cor. secs. 28, 29, 32, and 33,<br>crossroads -----  | 39 03 39.3  | 90 55 00.4  | 2,685    |
| T. 50 N., R. 1 E., quarter cor. between secs. 28<br>and 29, T-rd. W. -----   | 39 04 05.9  | 90 54 59.7  | 2,691    |
| T. 50 N., R. 1 E., center sec. 29, 11 ft. N. and<br>11 ft. E. from iron pin in T-rd. E., 4 ft. S.<br>and 3 ft. E. from fence corner, in concrete<br>post; standard tablet stamped "T T 2 B 1934" --  | 39 04 05.23 | 90 55 33.23 | 2,647    |
| Junction of dim rd. NE. -----  | 39 03 55.7  | 90 56 08.8  | 2,966    |
| SW. corner of log cabin N. of rd. -----  | 39 03 87.0  | 90 56 22.3  | 2,167    |
| Triangular-blazed elm tree in ford across Sugar<br>Creek -----   | 39 03 24.9  | 90 56 48.0  | 2,372    |
| Junction of rd. to Fordst Lane estate -----  | 39 03 20.4  | 90 57 13.9  | 2,091    |
| Crossroads (previously described) -----  | 39 03 12.9  | 90 58 01.6  | 3,838    |
| T T Sta No 36 F 1928 (previously described) -----  | 39 02 34.86 | 90 58 23.17 | 4,209    |

Magnetic declination 5° 30' E.

HARDIN QUADRANGLE \*  
(Latitude 39°00'-39°15'; longitude 90°30'-90°45')

Lincoln and Pike Counties



1. FROM BRUSSELS QUADRANGLE NORTH ALONG CHICAGO, BURLINGTON & QUINCY RAILROAD  
INTO ELSBERRY QUADRANGLE (by C. R. Fisher in 1928)  
(Continued from Brussels quadrangle; see line 1.)

| Station  | Latitude    | Longitude   | Distance |
|--|-------------|-------------|----------|
|  | ° ' "       | ° ' "       | Feet     |
| R.R. at rd. crossing -----   | 39 00 06.2  | 90 44 18.0  | (1,639)  |
| R.R. at private rd. crossing -----   | 39 00 31.2  | 90 44 19.8  | 2,525    |
| R.R. at milepost 58 -----  | 39 01 21.3  | 90 44 23.4  | 5,085    |
| R.R. at private rd. crossing -----   | 39 01 39.7  | 90 44 24.7  | 1,865    |
| R.R. at milepost 59 -----  | 39 02 13.4  | 90 44 27.2  | 3,416    |
| Switch point at S. end of siding -----   | 39 02 20.5  | 90 44 27.7  | 710      |
| Foley, 145 ft. N. and 70 ft. E. from center of<br>track in front of Chicago, Burlington & Quincy<br>R.R. sta., 30 ft. S. and 70 ft. E. from first<br>rd. crossing N. of sta., in concrete post;<br>standard tablet stamped "T T Sta No 22 F 1928" -- | 39 02 42.49 | 90 44 28.39 | 2,229    |
| Switch point at N. end of siding -----   | 39 03 00.8  | 90 44 30.7  | 1,865    |
| Kings Lake, R.R. at rd. crossing -----   | 39 04 06.4  | 90 44 36.9  | 6,655    |

\* The greater part of this quadrangle lies in Illinois.

| Station   | Latitude    | Longitude   | Distance |
|---|-------------|-------------|----------|
|   | ° ' "       | ° ' "       | Feet     |
| R.R. at milepost 62 -----   | 39 04 49.1  | 90 44 46.0  | 4,370    |
| Oasis, in E 1/2 sec. 23, T. 50 N., R. 2 E., 35<br>ft. S. and 50 ft. E. from track in front of<br>Chicago, Burlington & Quincy R.R. sta., 35 ft.<br>S. and 25 ft. W. from T-rd. E., in concrete<br>post; standard tablet stamped "T T Sta No 23<br>F 1928" ----- | 39 04 58.85 | 90 44 47.71 | 999      |
| T-rd. E. -----  | 39 05 21.6  | 90 44 53.3  | 2,339    |
| R.R. at rd. crossing -----  | 39 05 39.2  | 90 44 57.8  | 1,821    |
| R.R. at milepost 63 -----   | 39 05 40.4  | 90 44 58.0  | 125      |

(Continued in Elsberry quadrangle; see line 2.)

2. FROM BRUSSELS QUADRANGLE AT POINT ABOUT 1.4 MILES EAST OF WINFIELD, EAST  
AND SOUTH INTO BRUSSELS QUADRANGLE AT POINT NEAR MISSISSIPPI RIVER  
(by C. D. Craig in 1935-36)

(Continued from Brussels quadrangle; see line 7.)

|                 |            |            |         |
|-----------------|------------|------------|---------|
| Rd. forks ----- | 39 00 03.9 | 90 41 47.5 | (5,639) |
|-----------------|------------|------------|---------|

(Continued in Brussels quadrangle; see line 7.)

Magnetic declination in 1934, 6° E.