

UNITED STATES DEPARTMENT OF THE INTERIOR

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GEOLOGICAL SURVEY

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Bulletin 916-H

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TRANSIT TRAVERSE IN MISSOURI

PART 8.—WEST-CENTRAL MISSOURI

1906-37

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Prepared in cooperation with the

STATE OF MISSOURI

GEOLOGICAL SURVEY AND WATER RESOURCES

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UNITED STATES  
GOVERNMENT PRINTING OFFICE  
WASHINGTON : 1940

## CONTENTS

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	Page
Introduction. . . . .	III
Scope of report. . . . .	III
Cooperation. . . . .	III
Classification of transit traverse. . . . .	III
Adjustments. . . . .	IV
Station marks. . . . .	IV
Azimuth marks and supplemental points. . . . .	VI
Preservation and restoration of station marks. . . . .	VI
Datum. . . . .	VI
Location of the area. . . . .	VII
Index map. . . . .	VII
Diagrams of quadrangles showing routes of transit traverse. . . . .	VII
Personnel. . . . .	VIII
Explanation of tabulation of geodetic positions. . . . .	IX
Transit traverse. . . . .	1025
Index. . . . .	XI

---

## ILLUSTRATIONS

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Plate 1. Geological Survey station marks. . . . .	IV
Figure 15. Outline map of Missouri showing the names and relative position of the eight sections covered by the parts of Bulletin 916, on transit traverse in the State. . . . .	VIII
16. Index map of west-central Missouri showing the quadrangles into which this section of the State has been divided. . . . .	IX

# TRANSIT TRAVERSE IN MISSOURI

## PART 8, WEST-CENTRAL MISSOURI, 1906-37

J. G. Staack, Chief Topographic Engineer

### INTRODUCTION

Scope of report.—This bulletin, which for convenience is to be published in eight parts, contains the results of all transit traverse\* done in Missouri through 1937 by the Geological Survey, United States Department of the Interior, including those heretofore published. (See page X.) Each of the parts deals with one of eight sections into which the State has been divided for this purpose and which have been designated northeastern, northwestern, southeastern, southwestern, central, east-central, south-central, and west-central Missouri. In each part descriptions of the points for which geodetic positions have been determined are listed according to the quadrangles in which the points occur. Results of transit traverse other than that done by the Geological Survey have not been included.

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

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

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

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

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

\*Formerly designated primary traverse.

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

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

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

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

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

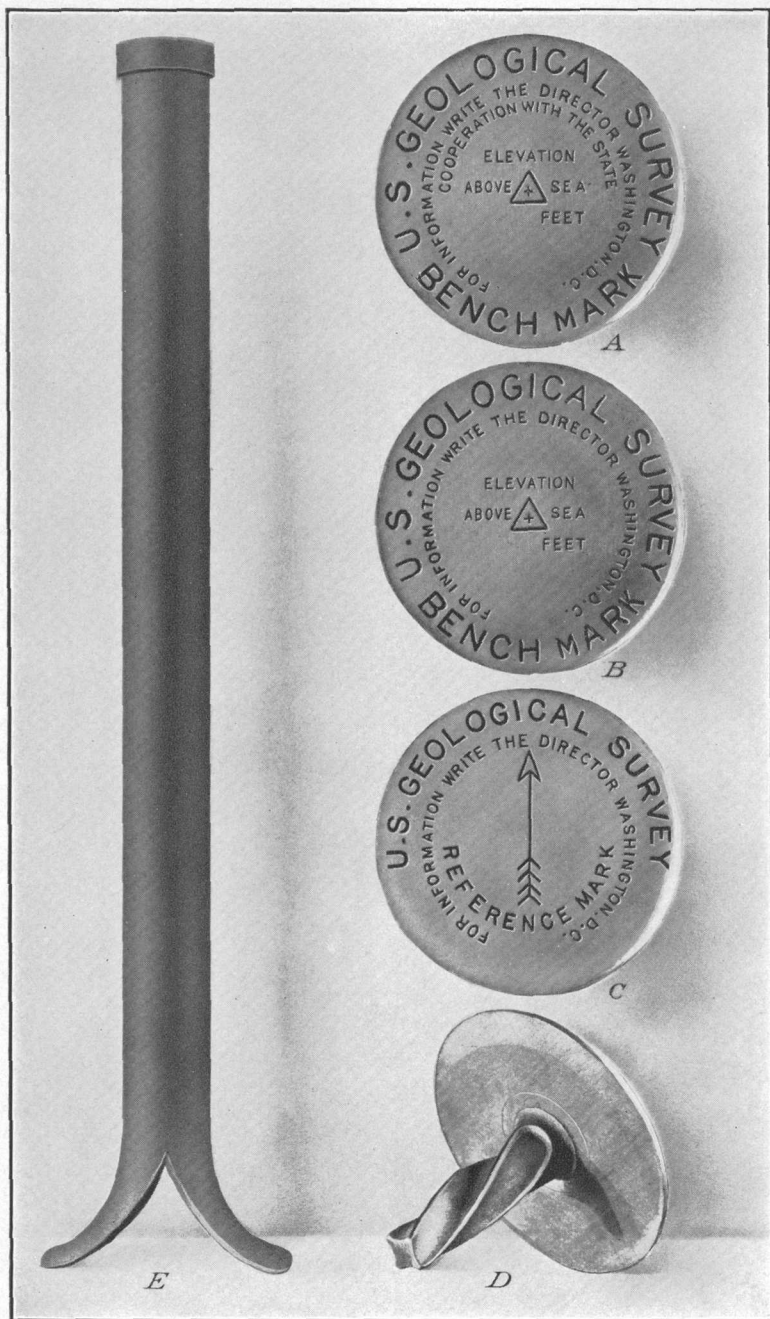
Station marks.—The station marks used by the United States Geological Survey (pl. 1) consist of iron posts and bronze or aluminum tablets of the same form and design as those used as principal benchmarks along lines of leveling. They are placed at intervals of about three miles at sites selected for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

The tablets are circular in shape, measure  $3\text{--}7/8$  inches in diameter, and taper from a thickness of three-eighths of an inch at the center to about a quarter of an inch near the rounded edge. During a short period in the years of the earlier surveys the tablets used were made of aluminum. The softness of this metal, however, made them susceptible to damage, so that aluminum as a material for tablets was soon discarded. The earliest tablets were made of bronze, and bronze is the material now specified for standard tablets. Each tablet is cast with a  $3\text{--}inch$  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

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\*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  $3\frac{1}{8}$  inches in outer diameter and are set about 3 feet in the

ground. The bottom of the post spreads out to a width of about 10 inches in order to give it a firm footing in the earth. No iron posts have been set in recent years. They have proved impracticable, as they are easily disturbed or are often destroyed by rust at the ground level.

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

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

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

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

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

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

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

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

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

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

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

Location of the area.—West-central Missouri, as the term is used in this bulletin and as the subject of part 8 of the bulletin, is that section of the State lying between latitudes 38°00' and 39°30' and west of longitude 93°30' (See fig. 15.)

Index map.—The accompanying index map of west-central Missouri (fig. 16) 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 west-central Missouri measure 15 minutes in latitude by 15 minutes in longitude. Possible topographic mapping on a larger scale in some of the quadrangle areas may make it necessary to use, for newer 7½-minute quadrangles, the names shown on this index map for 15-minute quadrangles.

Maps of many of the quadrangles in west-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 west-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.

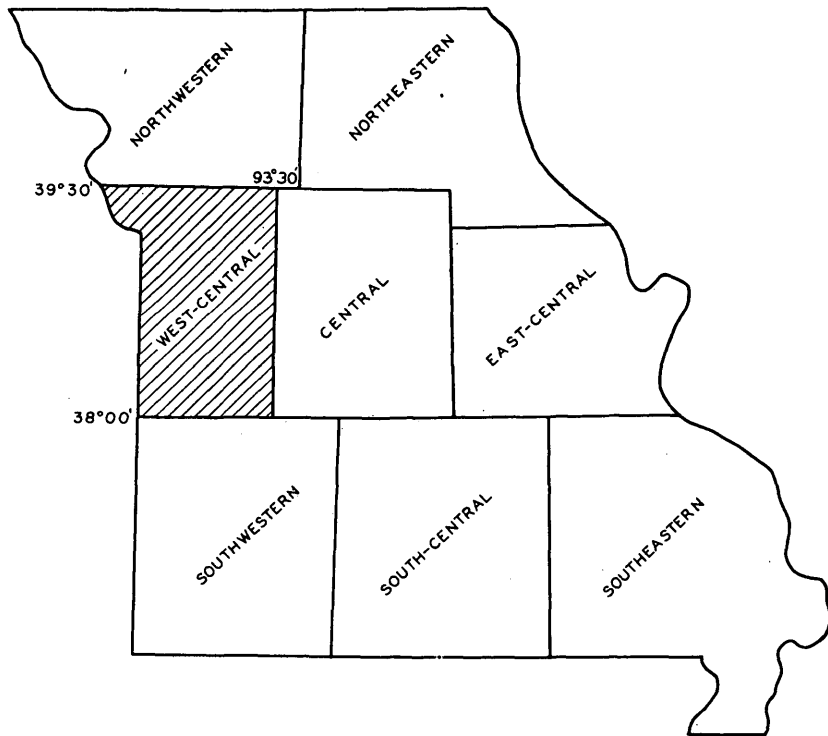


Figure 15.—Outline map of Missouri showing the names and relative position of the eight sections covered by the parts of Bulletin 916, on transit traverse in the State. The shaded portion represents the section designated as west-central Missouri.

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. Broadus, of the United States Geological Survey. The work in the Washington office was under the supervision of R. M. Wilson, chief of the section of computing, under the general direction of J. G. Staack, chief topographic engineer.

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

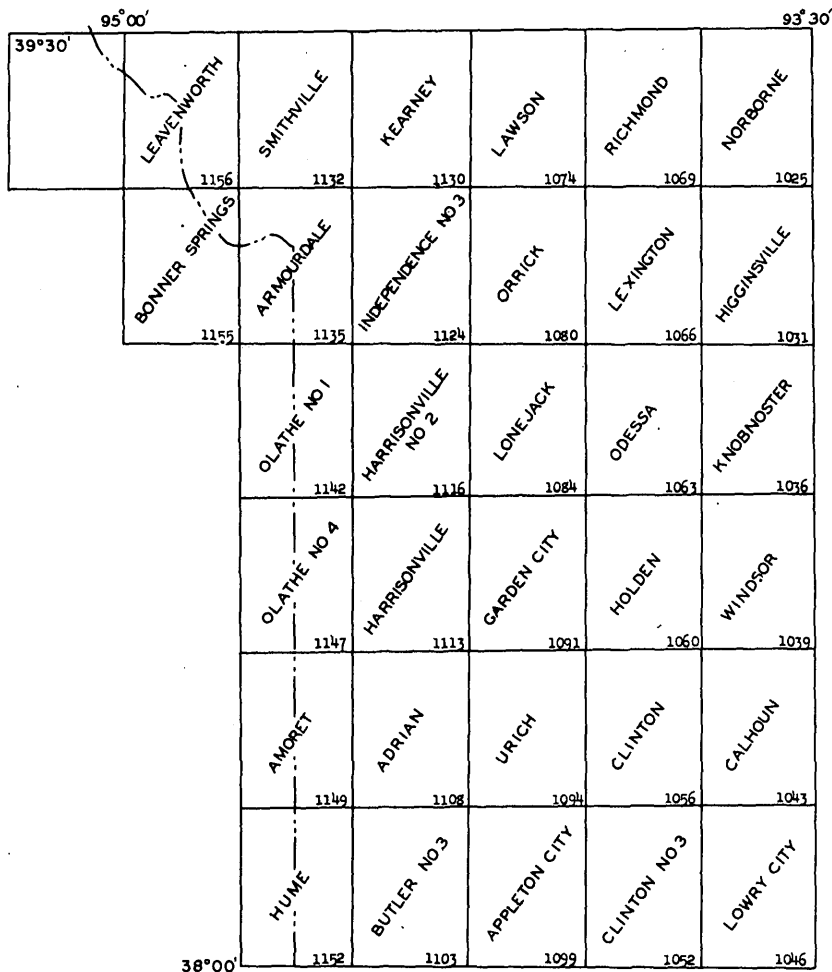


Figure 16.—Index map of west-central Missouri showing the quadrangles into which this section of the State has been divided. The number in a quadrangle is that of the page of this bulletin on which the list of positions in that quadrangle begins. No transit traverse has been done by the United States Geological Survey in the quadrangle in which no name appears.

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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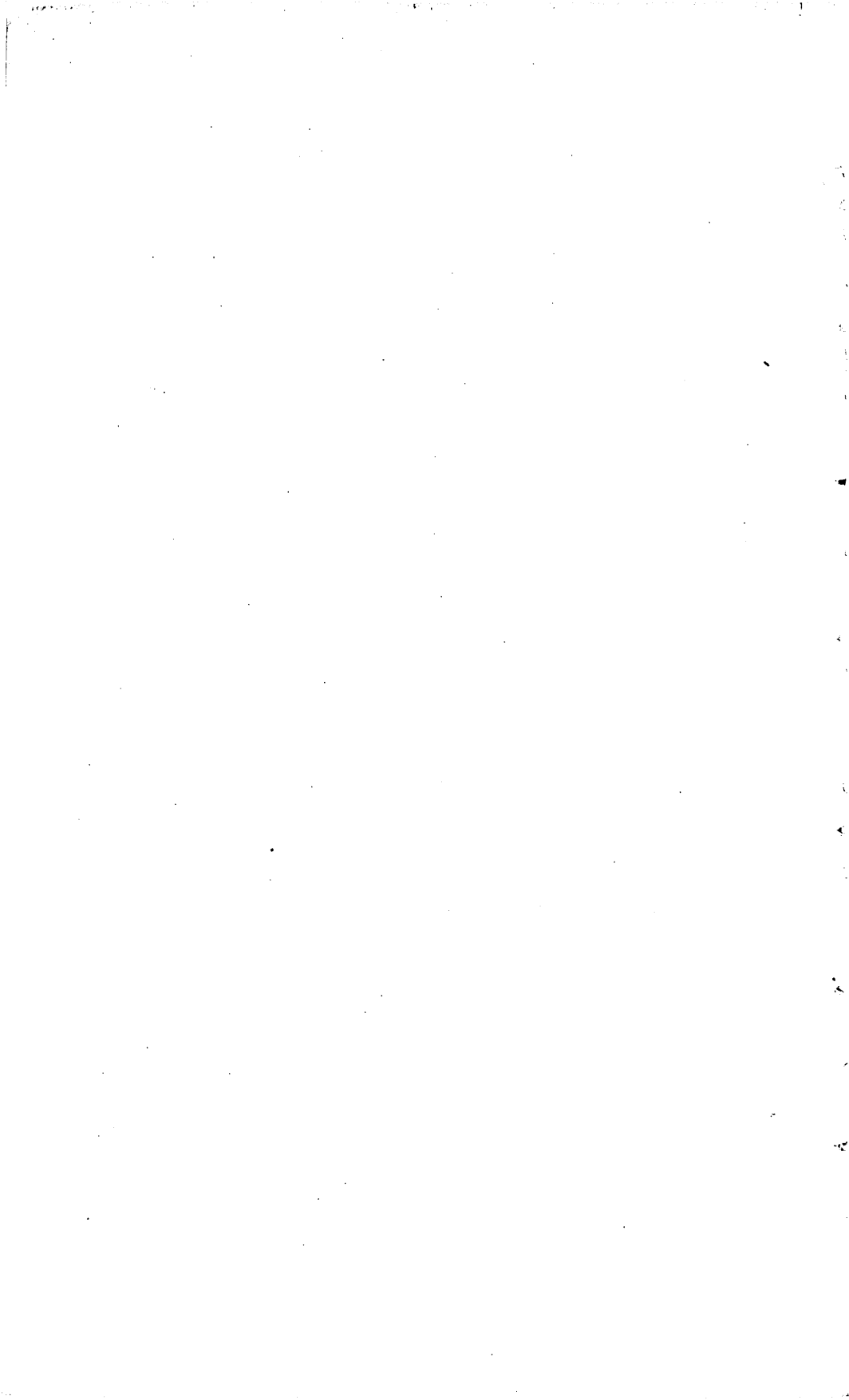
# INDEX

	Page		Page
Ackerman triangulation sta. . . . .	1154	Concordia. . . . .	1036-1037
Adjustment of transit traverse. . . .	IV	Cooks Knob triangulation sta. . . .	1038
Adrian. . . . .	1110	Cooperation. . . . .	III
Adrian quadrangle. . . . .	1108-1113	Corder. . . . .	1033
Altona. . . . .	1095	Cornelia. . . . .	1040
Amoret. . . . .	1151	Cottonwood Creek. . . . .	1070
Amoret quadrangle. . . . .	1149-1151	Craig, C. D., traverse by. . . . .	1030-1031, 1044-1046, 1049-1051, 1052, 1053-1055, 1056-1059, 1079, 1095-1097, 1098, 1102
Amos. . . . .	1153, 1154	Crawford Creek. . . . .	1086
Amsterdam. . . . .	1149	Creighton. . . . .	1097
Anderson, J. P., traverse by. . . . .	1042, 1047-1048, 1052-1053, 1060-1061, 1088, 1092-1093, 1100-1101	Crescent Lake (village). . . . .	1075
Appleton Center School. . . . .	1053	Crooked River. . . . .	1070, 1072
Appleton City. . . . .	1053, 1100	Cyclone School. . . . .	1119
Appleton City quadrangle. . . . .	1099-1102		
Archie. . . . .	1110, 1111, 1115	Datum of positions. . . . .	VI-VII
Armourdale quadrangle. . . . .	1135-1142	Davis Creek. . . . .	1037, 1065
Arthur. . . . .	1107	Deepwater. . . . .	1054, 1058, 1059
Azimuth marks and supplemental points, establishment of. . . . .	VI	Delmar. . . . .	1057
		Diagrams of quadrangles. . . . .	VII-VIII
Baker triangulation sta. . . . .	1085, 1088, 1089	See also individual quadrangles.	
Ballard. . . . .	1096	Dixie School. . . . .	1109
Barry. . . . .	1135, 1140	Dockery. . . . .	1070
Bates City. . . . .	1081	Dover. . . . .	1033, 1035
Belton. . . . .	1121, 1145, 1147	Dover triangulation sta. . . . .	1033
Berry triangulation sta. . . . .	1145, 1146	Drexel. . . . .	1150
Bethel Baptist Church (Armourdale quadrangle). . . . .	1135	Dunksburg. . . . .	1037, 1038
Bethel Church (Lawson quadrangle). . .	1074		
Big Blue River. . . . .	1125	East Little Blue River. . . . .	1126
Big Creek. . . . .	1059, 1061, 1092, 1093	Edgerton. . . . .	1134
East Branch of. . . . .	1120	Edgerton Junction. . . . .	1134
Big Muddy Creek. . . . .	1042	Ellis, J. R., traverse by. . . . .	1124, 1130, 1133-1134, 1135-1136
Big Tabo Creek. . . . .	1045	Elm. . . . .	1090
Birmingham. . . . .	1129	Elmira. . . . .	1074
Blackburn. . . . .	1032	Emma. . . . .	1036
Blackwater River. . . . .	1037, 1038	Excelsior Springs (city). . . . .	1075, 1079
North Fork of. . . . .	1065		
Blairstown. . . . .	1061	Fair Play School. . . . .	1074
Blue Mills triangulation sta. . . . .	1124	Fairmount School No. 124. . . . .	1102
Blue River. . . . .	1146	Faubion School. . . . .	1136
Blue Valley School. . . . .	1146	Fayetteville. . . . .	1064
Bonner Springs quadrangle. . . . .	1155	Federal Board of Surveys and Maps, limitations prescribed by. . . . .	III
Boswell, R. R., Jr., traverse by. . . . .	1117-1119, 1136-1141, 1143-1145, 1155	Federal Emergency Relief Admin- istration, cooperation with. . . . .	III
Bowler triangulation sta. . . . .	1117	Fields Creek. . . . .	1059
Bradford School. . . . .	1047	Finney. . . . .	1049
Brink School. . . . .	1140	Fishing River. . . . .	1072
Broadus, W. R., traverse by. . . . .	1046-1047, 1067, 1070, 1075, 1080-1083, 1085, 1091, 1094-1095, 1099- 1100, 1103-1104, 1108, 1112- 1117, 1124-1128, 1130, 1136, 1049	East Fork of. . . . .	1075, 1076
Brownington. . . . .	1049	Poster. . . . .	1154
Brushy Hill School (Knobnoster quad- rangle). . . . .	1038	Fothergill, J. W., traverse by. . . .	1046, 1051
Brushy School (Holden quadrangle). . .	1061	Freeman. . . . .	1114, 1116, 1148
Buster triangulation sta. . . . .	1124, 1129	Fulton triangulation sta. . . . .	1116
Butler. . . . .	1106, 1111, 1112-1113		
Butler No. 3 quadrangle. . . . .	1103-1107	Gale School. . . . .	1133
Butler triangulation sta. . . . .	1107	Gallinipper Creek. . . . .	1048
		Garden City quadrangle. . . . .	1091-1094
Caldwell triangulation sta. . . . .	1063	Gashland. . . . .	1135, 1136
Calhoun. . . . .	1044	Georgeville. . . . .	1070
Calhoun quadrangle. . . . .	1043-1046	Gerster. . . . .	1047
Camden triangulation sta. . . . .	1083	Grand River. . . . .	1058, 1095, 1096, 1112
Carpenter triangulation sta. . . . .	1141	Grandview. . . . .	1144
Carroll triangulation sta. . . . .	1029	Greenville. . . . .	1076
Carrollton. . . . .	1026, 1029-1030	Greenwood. . . . .	1120
Carrollton triangulation sta. . . . .	1026	Gregory, G. E., traverse by. . . . .	1062-1063, 1088, 1093
Cedar Creek. . . . .	1118	Gross, H. W., traverse by. . . . .	1132, 1134
Center School. . . . .	1055		
Centerview School. . . . .	1068	Halwell Creek. . . . .	1059
Centropolis. . . . .	1125	Hampton. . . . .	1133, 1135, 1136
Chapel Hill triangulation sta. . . . .	1085, 1088	Happy Hill School. . . . .	1103
Cherry Grove School. . . . .	1098	Hardin. . . . .	1072
Chloe. . . . .	1050	Harlem. . . . .	1142
Classification of transit traverse. . . .	III	Harper. . . . .	1048
Cleveland. . . . .	1148	Harrelson. . . . .	1121
Clinton. . . . .	1044, 1057, 1058	Harrisonville. . . . .	1115, 1116
Clinton No. 3 quadrangle. . . . .	1052-1055	Harrisonville No. 2 quadrangle. . . .	1116-1123
Clinton quadrangle. . . . .	1056-1060	Harrisonville quadrangle. . . . .	1113-1116
Coal. . . . .	1044	Hawkins, G. T., traverse by. . . . .	1132-1133, 1135, 1155, 1156
Coldwater School. . . . .	1147	Hicklin School. . . . .	1068
Coleman. . . . .	1121	Hickman Mills (village). . . . .	1143, 1144
Columbus. . . . .	1065	Hickory Point School. . . . .	1041
		Higginsville. . . . .	1035
		Higginsville quadrangle. . . . .	1031-1035



	Page		Page
Hill School . . . . .	1072	Missouri City triangulation sta . .	1128
Hitt School . . . . .	1033	Missouri Geological Survey and	
Hogle Creek . . . . .	1048	Water Resources, coopera-	
Holden . . . . .	1060-1061	tion with. . . . .	III, IX
Holden quadrangle . . . . .	1060-1063	Missouri River. . . . .	1031
Hoover . . . . .	1133	Missouri State Highway Commission,	
Hope Dale School . . . . .	1041	cooperation with. . . . .	III
Hudson triangulation sta. . . . .	1084	Monegan Springs (village) . . . .	1054
Huhn, C. C., traverse by. 1038, 1040-1042		Montrose . . . . .	1053, 1056, 1059
Hume . . . . .	1154	Montserrat . . . . .	1037
Hume quadrangle . . . . .	1152-1154	Moss Creek . . . . .	1028
Hutton Mound triangulation sta. . . .	1091, 1092, 1093	Mound Valley School . . . . .	1109
		Mount Pleasant School . . . . .	1145
Iatan triangulation sta . . . . .	1156	Mount Zion (village in Lowry City	
Iconium . . . . .	1048, 1050	quadrangle). . . . .	1049
Independence No. 3 quadrangle . . . .	1124-1129	Mount Zion School (Adrian quad-	
Indian Creek . . . . .	1139, 1142	rangle). . . . .	1109
Interstate Commerce Commission,		Mulkey . . . . .	1037
transit traverse by. . . . .	IV		
Jaudon . . . . .	1145-1146	Napoleon . . . . .	1082
Johnson City . . . . .	1054	Nashua . . . . .	1130
		Nebo School . . . . .	1127
Kansas City . . 1136-1138, 1139, 1143-1144		New Garden Church . . . . .	1079
Kansas City, Kans . . . . .	1137, 1138	New Liberty Baptist Church. . . .	1087
Kearney quadrangle . . . . .	1130-1132	Norborne . . . . .	1027, 1028
Keim, R. E., traverse by. . . . .	1091-1092, 1113-1114, 1120-1121, 1146	Norborne quadrangle . . . . .	1025-1031
Kennedy, W. V., traverse by . . . . .	1025-1030, 1031-1035, 1038-1039, 1066, 1067-1069, 1070-1073, 1075-1078, 1085-1088, 1089, 1093, 1105, 1108-1110, 1113, 1114-1115, 1119, 1131-1132, 1145-1146, 1147-1148, 1149-1150, 1152-1154	Normal triangulation sta. . . . .	1037, 1039
		Norris . . . . .	1061
Kings Prairie School . . . . .	1047	North Kansas City . . . . .	1141
Kingsville . . . . .	1089, 1093	Northmoor . . . . .	1138
Knobnoster . . . . .	1037, 1038, 1040		
Knobnoster quadrangle . . . . .	1036-1039	Oak Grove (town). . . . .	1080, 1081
Knobnoster triangulation sta. . . . .	1037, 1038	O'Dell triangulation sta. . . . .	1067
Knobs Creek . . . . .	1113	Odessa . . . . .	1064, 1066
Knoxville . . . . .	1078	Odessa quadrangle . . . . .	1063-1065
		Ohio . . . . .	1055
Lake Lotawana . . . . .	1119	Olathe No. 1 quadrangle . . . . .	1142-1147
Lakeside School . . . . .	1139	Olathe No. 4 quadrangle . . . . .	1147-1148
Land School . . . . .	1058	Orrick quadrangle . . . . .	1086-1084
Latour . . . . .	1093	Orrick triangulation sta. . . . .	1082, 1083
Lawson quadrangle . . . . .	1074-1079	Osage River . . . . .	1054, 1099, 1102, 1105
Leavenworth quadrangle . . . . .	1156	Marais des Cygnes . . . . .	1106, 1152
Lees Summit (city). . . . .	1117	Osceola . . . . .	1048, 1051, 1053
Leesville . . . . .	1045	Owens, E. H., traverse by . . . .	1142-1143
Lexington . . . . .	1067, 1068	Owsley . . . . .	1042
Lexington quadrangle . . . . .	1066-1069	Oxford . . . . .	1143
Liberty . . . . .	1127		
Liberty triangulation sta . . . . .	1129	Papinsville . . . . .	1099
Lienweber Creek . . . . .	1059	Park School . . . . .	1133
Lincoln . . . . .	1045	Parkville . . . . .	1139
Line Creek . . . . .	1139	Personnel . . . . .	VIII-IX
Linn Branch (Smithville quadrangle)	1134	Petersburg . . . . .	1061
Linn Creek (Lawson quadrangle). . .	1076	Pike, L. D., traverse by. . . . .	1120, 1145
Linwood School . . . . .	1142	Piper . . . . .	1095
Little Blue River . . . . .	1118, 1125	Pitcher School . . . . .	1128
Little Blue Station . . . . .	1116	Pittsville . . . . .	1065, 1066
Little Blue triangulation sta . . . .	1127	Platte City . . . . .	1156
Location of the area . . . . .	VII	Pleasant Grove Cemetery . . . . .	1101
Outline map showing. . . . .	VIII	Pleasant Hill (town). . . . .	1122
Lonejack quadrangle . . . . .	1084-1090	Pleasant Home Baptist Church. . .	1097
Lowry City . . . . .	1050	Pleasant Ridge Presbyterian Church	1100
Lowry City quadrangle . . . . .	1046-1052	Pleasant Valley School . . . . .	1104
Lunsford School . . . . .	1130	Pleasant View School . . . . .	1092
		Pony Creek . . . . .	1148
Magee, T. A., traverse by . . . . .	1107, 1129, 1151, 1154, 1062	Positions, datum of . . . . .	VI-VII
Magnolia . . . . .	1062	tabulation of. . . . .	IX-X
Main City . . . . .	1110	Post Oak Creek . . . . .	1064
Mandeville . . . . .	1027	Posts, use of, to hold tablets. . .	V
Mar triangulation sta . . . . .	1156	Prairie City . . . . .	1102
Martin City . . . . .	1145	Prairie Creek . . . . .	1087
Maurine . . . . .	1056	Prairie Flower School . . . . .	1029
McNair, E. L., traverse by. . . . .	1036-1038, 1039-1040, 1060, 1063-1066, 1067, 1084-1085	Prairie Grove School . . . . .	1047
McNutt School . . . . .	1050	Prairie Point Church. . . . .	1140
Mecca . . . . .	1130		
Merwin . . . . .	1150	Quadrangles in west-central Mis-	
Merwin triangulation sta. . . . .	1151	souri, index map showing. . . .	IX
Miami Creek . . . . .	1104	maps of, how to obtain . . . .	VII
Mine Creek . . . . .	1152	See also descriptions and dia-	
Mission Branch . . . . .	1099	grams under individual	
		quadrangles. . . . .	
		Raymore . . . . .	1121-1122, 1125
		Redbush School . . . . .	1079
		Rich Hill (town). . . . .	1106-1107
		Richmond . . . . .	1071, 1072, 1078
		Richmond quadrangle . . . . .	1069-1073
		Rocky Fork Creek . . . . .	1077
		Rocky Point School . . . . .	1140
		Rose Hill (village). . . . .	1093
		Ruskin High School . . . . .	1143
		Russellville Junction . . . . .	1071
		Rutledge Creek . . . . .	1105

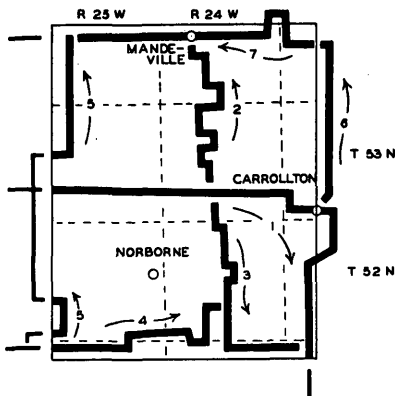
	Page		Page
Sac River . . . . .	1046	Transit traverse, adjustment of. . . . .	IV
St. Bernard triangulation sta. . . . .	1127	classification of . . . . .	III
Sanders, J. L., traverse by. 1069-1070	1074	in Missouri, earlier publica- tions on . . . . .	X
Santiago . . . . .	1045	Trimble . . . . .	1134
Schell City . . . . .	1102	Tudor, S. T., traverse by. . . . .	1042-1044, 1056, 1061-1062, 1083-1084, 1104-1105, 1112, 1114, 1123, 1129, 1141-1142, 1148
Scope of report . . . . .	III	Tygart School . . . . .	1112
Settles . . . . .	1156	Urich . . . . .	1057, 1096, 1097
Seventh Day Adventist Church. . . . .	1088	Urich quadrangle . . . . .	1094-1098
Sheeps Nose triangulation sta. . . . .	1068	Valley City . . . . .	1038
Shelley, O. C., traverse by. . . . .	1085-1088, 1089, 1092, 1116	Var. Horn Church. . . . .	1050
Sibley triangulation sta. . . . .	1074	Vibbard . . . . .	1076
Slusher School . . . . .	1068	Virginia . . . . .	1112
Smith triangulation sta. . . . .	107	Vista . . . . .	1047
Smithville . . . . .	1133	Waldron triangulation sta. . . . .	1155
Smithville quadrangle . . . . .	1132-1134	Waterloo . . . . .	1082
Sni A Bar Creek . . . . .	1087, 1088	Waverly . . . . .	1031, 1034
Blue Branch of . . . . .	1080	Wayne triangulation sta. . . . .	1125
East Fork of . . . . .	1081, 1082	Weaubleau Creek. . . . .	1051
South Liberty . . . . .	1129	Wellington triangulation sta. . . . .	1082
South Liberty triangulation sta. . . . .	1129	West Line . . . . .	1118
Spruce . . . . .	1097-1098	Wheeler, W. A., traverse by. . . . .	1040-1042, 1044, 1052, 1089-1090, 1091-1092, 1097, 1100-1101, 1111-1112, 1121-1123, 1147
Star School . . . . .	1061	White Sulphur Springs Camp . . . . .	1151
State Highway Department, traverse by . . . . .	1059-1060, 1066, 1090, 1093-1094, 1098, 1123	Wilkerson Creek . . . . .	1153
Station marks, classes of . . . . .	IV	Windsor . . . . .	1041
forms of . . . . .	IV-VI, pl. 1	Windsor quadrangle . . . . .	1039-1043
how set. . . . .	IV-VI	Winn triangulation sta. . . . .	1134
preservation and restoration of. . . . .	VI	Wolf School . . . . .	1153
Strasburg Cemetery. . . . .	1092	Woodland School . . . . .	1146
Sugar Creek . . . . .	1150	Works Progress Administration, co- operation with. . . . .	III, VIII
Summit School . . . . .	1094	Wyrick, C. E., traverse by. . . . .	1040, 1063, 1085-1086, 1090, 1100, 1106- 1107, 1110-1111, 1112-1113, 1115-1116, 1120, 1151, 1154
Taberville . . . . .	1052		
Tabo Creek . . . . .	1034, 1069		
Taitsville . . . . .	1069		
Tex, G. N., traverse by. . . . .	1117-1118, 1128, 1143		
Thornton triangulation sta. . . . .	1087		
Tightwad . . . . .	1045-1046		
Tinney Grove (village). . . . .	1070		
Tracy . . . . .	1156		



# TRANSIT TRAVERSE

NORBORNE QUADRANGLE  
(Latitude 39°15'-39°30'; longitude 93°30'-93°45')

Carroll County



- FROM RICHMOND QUADRANGLE AT SEC. 19, T. 53 N., R. 25 W., EAST TO CARROLLTON, THENCE SOUTH ALONG U.S. HIGHWAYS 24 and 65 INTO HIGGINSVILLE QUADRANGLE, INCLUDING THAT PART OF THE LINE IN CARROLLTON QUADRANGLE (by W. V. Kennedy in 1934)\*  
(Continued from Richmond quadrangle; see line 3.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 53 N., R. 25 W., quarter cor. between secs. 19 and 30, rd. at fences N. and S. -----	39 22 47.1	93 44 56.4	(2,750)
Rd. fork NW. -----	39 22 47.0	93 44 20.5	2,820
T. 53 N., R. 25 W., quarter cor. between secs. 20 and 29, rd. at fences N. and S. -----	39 22 47.2	93 43 47.1	2,620
T. 53 N., R. 25 W., cor. secs. 20, 21, 28, and 29, 33 ft. S. and 26 ft. W. from crossroads, 14 ft S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "465 C W A 1934"***	39 22 47.15	93 43 12.65	2,707
T. 53 N., R. 25 W., quarter cor. between secs. 21 and 28, rd. at fence S. -----	39 22 47.15	93 42 12.65	2,677
T. 53 N., R. 25 W., cor. secs. 21, 22, 27, and 28, crossroads -----	39 22 47.9	93 42 04.4	2,680
T. 53 N., R. 25 W., quarter cor. between secs. 22 and 27, County Route D at fences N. and S. -----	39 22 47.6	93 41 30.4	2,670
T. 53 N., R. 25 W., cor. secs. 22, 23, 26, and 27, E-W rd. at County Route D produced -----	39 22 47.3	93 40 56.3	2,660
T. 53 N., R. 25 W., quarter cor. between secs. 23 and 26, rd. at fences N. and S. -----	39 22 46.9	93 40 22.6	2,649
T. 53 N., R. 25 W., cor. secs. 23, 24, 25, and 26, 32 ft. N. and 21 ft. E. from crossroads, 2 ft. N. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "466 C W A 1934" -----	39 22 47.30	93 39 48.84	2,649
T. 53 N., R. 25 W., quarter cor. between secs. 24 and 25, rd. at fences N. and S. -----	39 22 47.1	93 39 15.6	2,609
Crossroads, 148 ft. N. of abandoned T-rd. W. at E. cor. secs. 24 and 25, T. 53 N., R. 25 W., 164 ft. S. of abandoned T-rd. E. at W. cor. secs. 19 and 30, T. 53 N., R. 24 W. -----	39 22 48.7	93 36 42.2	2,630
T. 53 N., R. 24 W., quarter cor. between secs. 19 and 30, crossroads -----	39 22 50.1	93 38 02.4	3,125
Rd. at fence S. on line between secs. 29 and 30, T. 53 N., R. 24 W. -----	39 22 48.2	93 37 29.2	2,614
T-rd. N. -----	39 22 50.6	93 37 12.4	1,339
T-rd. S. -----	39 22 51.6	93 36 41.5	2,429
Rd. at fence S. on line between secs. 26 and 29, T. 53 N., R. 24 W. -----	39 22 39.7	93 36 22.5	1,922
T. 53 N., R. 24 W., center of NW 1/4 sec. 28, 54 ft. S. and 17 ft. E. from crossroads, at Cook's Corner, 32 ft. N. and 6 ft. W. from NW corner of old Cook dwelling, in concrete post; standard tablet stamped "467 C W A 1934" -----	39 22 40.13	93 36 05.71	1,316

\*Line 1 of Carrollton quadrangle includes a portion of this line (see Bull. 916-G).  
\*\*In September 1936 it was reported by B. A. Barnes that this tablet was reset 12 ft. S. of its original location. The description and coordinates given refer to the new position.

Station	Latitude			Longitude			Distance Feet
	°	'	"	°	'	"	
Rd. corner	39	22	41.7	93	35	48.0	1,397
T. 53 N., R. 24 W., N. sixteenth cor. between							
secs. 27 and 28, crossroads	39	22	43.3	93	35	15.2	2,584
T-rd. N., 35 ft. E. of dim rd. S.	39	22	44.7	93	34	44.2	2,436
T-rd. N. on line between secs. 26 and 27, T. 53							
N., R. 24 W.	39	22	45.5	93	34	08.6	2,799
Rd. at fence N.	39	22	47.2	93	33	34.6	2,679
T. 53 N., P. 24 W., quarter cor. between secs. 25							
and 26, T-rd. N.	39	22	35.2	93	33	01.0	2,898
T. 53 N., R. 24 W., W. sixteenth cor. sec. 25,							
27 ft. S. and 112 ft. E. from T-rd. S., 1 ft.							
N. and 97 ft. E. from fence corner, in concrete							
post; standard tablet stamped "1041 C W A 1934"	39	22	35.20	93	32	42.56	1,452
T. 53 N., R. 24 W., E. sixteenth cor. sec. 25,							
rd. at fences N. and S.	39	22	36.2	93	32	10.0	2,559
T. 53 N., R. 24 W., E. quarter cor. sec. 25,							
crossroads	39	22	36.4	93	31	53.1	1,327
T. 53 N., R. 23 W., W. cor. secs. 30 and 31, rd.							
at fence E., 96 ft. N. of T-rd. W. at E. cor.							
secs. 25 and 36, T. 53 N., R. 24 W.	39	22	11.5	93	31	52.7	2,520
T. 53 N., R. 24 W., E. quarter cor. sec. 36,							
T-rd. S.	39	21	44.9	93	31	52.5	2,690
T. 53 N., R. 23 W., center sec. 31, rd. at fence							
S.	39	21	45.4	93	31	19.1	2,625
T-rd. S. on line between secs. 31 and 32, T. 53							
N., R. 23 W.	39	21	34.0	93	30	44.6	2,941
Tps. 52 and 53 N., R. 23 W., cor. secs. 5, 6, 31,							
and 32, rd. at fences E. and W.	39	21	19.9	93	30	44.5	1,430
Carrollton triangulation sta. of M.R.C.	39	21	01.03	93	30	45.81	1,911
Carrollton, junction of street S.	39	21	13.8	93	30	24.7	2,104
Carrollton, junction of street S.	39	21	13.8	93	30	04.8	1,560
Carrollton, intersection of Lincoln and							
South Folger Avenues	39	21	14.5	93	29	48.1	1,309
Carrollton, water tower of Kansas City Power &							
Light Co.	39	21	25.97	93	29	50.10	1,167
Carrollton, 30 ft. S. and 37 ft. W. from SW. cor.							
ner of courthouse, 50 ft. N. and 42 ft. E.							
from intersection of Folger and Washington							
Avenues, in concrete post; standard tablet							
stamped "1042 C W A 1934"	39	21	28.50	93	29	47.75	318
Carrollton, intersection of Shanklin and							
South Main Streets	39	21	19.5	93	29	44.8	938
Carrollton, Atchison, Topeka & Santa Fe Ry. at							
South Main Street crossing	39	20	58.9	93	29	44.5	2,084
Junction of rd. E. on line between secs. 5 and 8,							
T. 52 N., R. 23 W.	39	20	28.6	93	29	44.2	3,070
Highway at fence E. on line through center							
sec. 8, T. 52 N., R. 23 W.	39	20	02.5	93	29	44.1	2,640
Carrollton, 1.5 mi. S. of, along U.S. Highways 65							
and 24, 23 ft. N. and 36 ft. W. from junction							
of rd. E., 6 ft. W. of telegraph pole, in							
concrete post; standard tablet stamped							
"1043 C W A 1934"	39	19	36.43	93	29	44.21	2,636
Highway at fences E. and W. on line through							
center sec. 17, T. 52 N., R. 23 W.	39	19	09.8	93	29	43.5	2,691
Highway at fence E. and hedge fence W. on line							
between secs. 17 and 20, T. 52 N., R. 23 W.	39	18	43.5	93	29	43.6	2,663
Crossroad on line through center sec. 20,							
T. 52 N., R. 23 W.	39	18	17.2	93	30	01.5	3,011
Highway at fences E. and W.	39	17	43.0	93	30	18.7	3,710
Crossroad	39	17	24.6	93	30	27.2	1,981
Carrollton, 4.6 mi. S. of, 36 ft. W. of curve							
and in line with highway S., 62 ft. S. and							
12 ft. W. from fence corner, 3 ft. inside							
fence, in concrete post; standard tablet							
stamped "1044 C W A 1934"	39	17	10.08	93	30	42.83	1,918
T. 52 N., R. 23 W., probable cor. secs. 29, 30,							
31, and 32, highway at fence E., 30 ft. S. of							
junction of rd. W.	39	16	57.8	93	30	43.1	1,237
T. 52 N., R. 23 W., probable quarter cor. between							
secs. 31 and 32, highway at fence W.	39	16	32.2	93	30	43.3	2,593
Tps. 51 and 52 N., R. 23 W., cor. secs. 5, 6, 31,							
and 32, highway at fences E. and W., 17 ft. S.							
of junction of rd. W.	39	16	10.1	93	30	43.4	2,240
T. 51 N., R. 23 W., probable quarter cor. between							
secs. 5 and 6, highway at fences E. and W.	39	15	41.3	93	30	43.0	2,915
T. 51 N., R. 23 W., cor. secs. 5, 6, 7, and 8,							
34 ft. S. and 32 ft. W. from junction of rd.							
W., in concrete post; standard tablet stamped							
"478 C W A 1934"	39	15	11.86	93	30	42.97	2,976

(Continued in Higginsville quadrangle; see line 1.)

\*Missouri River Commission.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
2. FROM SEC. 28, T. 53 N., R. 24 W., NORTH TO MANDEVILLE (by W. V. Kennedy in 1934)			
467 C W A 1934 (previously described) -----	39 22 40.13	93 36 05.71	.....
T-rd. W. -----	39 23 06.5	93 36 06.4	2,671
Rd. at fences E. and W. -----	39 23 32.4	93 36 06.9	2,620
Rd. at fence W. on line between secs. 16 and 21, T. 53 N., R. 24 W. -----	39 23 45.5	93 36 07.5	1,331
T-rd. E. -----	39 24 11.7	93 36 07.7	2,650
T. 53 N., R. 24 W., cor. secs. 8, 9, 16, and 17, rd. at fences E. and W. -----	39 24 37.0	93 36 24.7	2,681
T. 53 N., R. 24 W., quarter cor. between secs. 8 and 9, 24 ft. N. and 3 ft. W. from T-rd. S., 4 ft. N. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "468 C W A 1934" -----	39 25 03.24	93 36 25.20	2,660
T-rd. E. -----	39 25 16.4	93 36 20.7	1,380
T. 53 N., R. 24 W., quarter cor. between secs. 4 and 5, rd. at fences E. and W. -----	39 25 55.2	93 36 25.9	3,950
T. 53 N., R. 24 W., N. cor. secs. 4 and 5, T-rd. S. -----	39 26 20.9	93 36 26.1	2,595
T. 54 N., R. 24 W., center of SW 1/4 sec. 33, rd. at hedge fences E. and W. -----	39 26 34.7	93 36 03.8	2,238
T-rd. S. -----	39 26 47.6	93 36 04.0	1,300
T. 54 N., R. 24 W., N. sixteenth cor. sec. 33, 69 ft. N. and 20 ft. W. from T-rd. E., 19 ft. N. and 31 ft. E. from dwelling of George Sheehan, 3 ft. S. of fence, in concrete post; standard tablet stamped "469 C W A 1934" -----	39 27 01.50	93 35 48.13	1,880
T. 54 N., R. 24 W., quarter cor. between secs. 28 and 33, rd. at fence W. -----	39 27 14.0	93 35 47.8	1,270
T. 54 N., R. 24 W., center sec. 28, rd. at fence W. -----	39 27 40.2	93 35 48.2	2,650
T. 54 N., R. 24 W., quarter cor. between secs. 21 and 28, T-rd. S. -----	39 28 06.2	93 35 48.5	2,630
T-rd. N. -----	39 28 05.6	93 36 05.6	1,346
T. 54 N., R. 24 W., probable center sec. 21, T-rd. W. -----	39 28 31.9	93 35 49.2	2,962
T. 54 N., R. 24 W., quarter cor. between secs. 16 and 21, junction of dim rd. E. at fence W. -----	39 28 57.5	93 35 99.8	2,590
Wandeville, 1.5 mi. E., thence 0.5 mi. S. from, center sec. 16, T. 54 N., R. 24 W., 18 ft. S. and 21 ft. W. from T-rd. E., 2 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "470 C W A 1934" -----	39 29 23.63	93 35 50.78	2,645
T-rd. S. -----	39 29 49.2	93 35 52.7	2,591
T. 54 N., R. 24 W., cor. secs. 8, 9, 16, and 17, rd. at fences N. and S. -----	39 29 48.2	93 36 24.4	2,492
T. 54 N., R. 24 W., quarter cor. between secs. 8 and 17, rd. at fences N. and S. -----	39 29 47.6	93 36 57.1	2,560
Wandeville, in NW 1/4 sec. 17, T. 54 N., R. 24 W., in SW. corner of concrete porch of Christian Church; standard tablet stamped "Frim Trav Sta No 53 S 1921 Mo" -----	39 29 48.04	93 37 16.28	1,507
3. FROM SEC. 28, T. 53 N., R. 24 W., SOUTH AND EAST TO SEC. 5, T. 51 N., R. 23 W. (by W. V. Kennedy in 1934)			
467 C W A 1934 (previously described) -----	39 22 40.13	93 36 05.71	.....
T. 53 N., R. 24 W., W. sixteenth cor. sec. 28, rd. at fences E. and W. -----	39 22 27.7	93 36 05.3	1,259
T. 53 N., R. 24 W., W. sixteenth cor. between secs. 28 and 33, T-rd. W. -----	39 22 01.9	93 36 04.6	2,611
T-rd. W. -----	39 21 54.7	93 35 47.5	1,527
T. 53 N., R. 24 W., probable center sec. 33, rd. at fence E. -----	39 21 36.8	93 35 46.8	1,811
T. 53 N., R. 24 W., 8. quarter cor. sec. 33, rd. corner from N.-W., 135 ft. E. of T-rd. S. at N. quarter cor. sec. 4, T. 52 N., R. 24 W. -----	39 21 10.6	93 35 46.0	2,647
T. 52 N., R. 24 W., center sec. 4, 43 ft. N. and 34 ft. E. from T-rd. N., 27 ft. S. and 26 ft. W. from SW. corner of farmhouse of E. Bellis, in concrete post; standard tablet stamped "474 C W A 1934" -----	39 20 45.11	93 35 47.41	2,582
T. 52 N., R. 24 W., quarter cor. between secs. 3 and 4, T-rd. W. -----	39 20 46.9	93 35 14.8	2,567
T. 52 N., R. 24 W., cor. secs. 3, 4, 9, and 10, rd. at fence W. -----	39 20 20.9	93 35 14.3	2,623
T. 52 N., R. 24 W., quarter cor. between secs. 9 and 10, T-rd. E. -----	39 19 54.9	93 35 13.8	2,630
Norborne, 4.5 mi. NE. of, along State Highway 10, 58 ft. N. and 21 ft. E. from crossroad, 22 ft. S. and 20 ft. E. from Wabash Ry. at rd. crossing, in concrete post; standard tablet stamped "475 C W A 1934" -----	39 19 21.49	93 35 13.18	3,382

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 52 N., R. 24 W., quarter cor. between secs. 15 and 16, rd. at fences E. and W. -----	39 19 02.9	93 35 13.0	1,880
T. 52 N., R. 24 W., cor. secs. 15, 16, 21, and 22, rd. corner from N.-E. -----	39 18 36.7	93 35 12.7	2,649
Moss Creek, center of bridge over -----	39 18 36.8	93 34 47.6	1,972
T-rd. S. -----	39 18 38.2	93 34 39.1	656
T. 52 N., R. 24 W., center sec. 22, rd. at fences E. and W. -----	39 18 12.5	93 34 39.0	2,595
T. 52 N., R. 24 W., W. sixteenth cor. between secs. 22 and 27, T-rd. S. -----	39 17 45.3	93 34 56.6	3,063
T. 52 N., R. 24 W., quarter cor. between secs. 27 and 28, 3 ft. N. and 21 ft. W. from rd. corner E.-S., 16 ft. S. and 2 ft. W. (? E.) from fence corner, in concrete post; standard tablet stamped "476 C W A 1934" -----	39 17 18.77	93 35 12.41	2,977
T. 52 N., R. 24 W., cor. secs. 27, 26, 33, and 34, rd. at fences E. and W. -----	39 16 52.7	93 35 11.9	2,639
Crossroads -----	39 16 22.2	93 35 11.9	3,080
Tps. 51 and 52 N., R. 24 W., cor. secs. 3, 4, 33, and 34, rd. at fences E. and W. -----	39 16 00.7	93 35 11.7	2,180
T. 51 N., R. 24 W., quarter cor. between secs. 3 and 4, rd. at fences E. and W. -----	39 15 34.6	93 35 11.6	2,640
T-rd. W., 135 ft. N. of rd. corner from N.-E. at cor. secs. 3, 4, 9, and 10, T. 51 N., R. 24 W. -----	39 15 09.9	93 35 11.3	2,500
T. 51 N., R. 24 W., quarter cor. between secs. 3 and 10, rd. at fence N. -----	39 15 10.3	93 34 38.1	2,615
T. 51 N., R. 24 W., cor. secs. 2, 3, 10, and 11, 23 ft. N. and 41 ft. E. from crossroads, 1 ft. S. and 3 ft. E. from SE. corner of Sugartree township voting house, in concrete post; standard tablet stamped "477 C W A 1934" -----	39 15 12.26	93 34 04.13	2,675
T. 51 N., R. 24 W., quarter cor. between secs. 2 and 11, rd. at fence N. -----	39 15 13.4	93 33 30.8	2,620
T. 51 N., R. 24 W., cor. secs. 1, 2, 11, and 12, crossroads -----	39 15 14.6	93 32 57.7	2,609
Rd. at fences N. and S. -----	39 15 12.9	93 32 24.3	2,630
T. 51 N., R. 23 W., W. cor. secs. 6 and 7, rd. corner from E.-S. at T-rd. -----	39 15 11.6	93 31 51.1	2,619
T. 51 N., R. 23 W., quarter cor. between secs. 6 and 7, junction of private rd. N. at fence S. -----	39 15 11.9	93 31 16.5	2,720
476 C W A 1934 (previously described) -----	39 15 11.86	93 30 42.97	2,634

4. FROM RICHMOND QUADRANGLE EAST ALONG STATE HIGHWAY 10 TO SEC. 35,  
T. 52 N., R. 25 W., THENCE NORTHEAST ALONG ROADS TO SEC. 28,  
T. 52 N., R. 24 W. (by W. V. Kennedy in 1934)  
(Continued from Richmond quadrangle; see line 5.)

Center of bridge over drainage ditch -----	39 15 50.8	93 44 55.8	(2,759)
T. 52 N., R. 25 W., S. cor. secs. 31 and 32, junction of rd. N. -----	39 15 50.5	93 44 21.9	2,670
T. 52 N., R. 25 W., S. quarter cor. sec. 32, highway at line between field and pasture -----	39 15 50.1	93 43 47.8	2,681
T. 52 N., R. 25 W., S. cor. secs. 32 and 33, junction of rd. N. -----	39 15 50.0	93 43 13.2	2,717
T. 51 N., R. 25 W., N. quarter cor. sec. 4, highway at fence S. -----	39 15 49.9	93 42 39.0	2,692
Tps. 51 and 52 N., R. 25 W., cor. secs. 3, 4, 33, and 34, 55 ft. N. and 41 ft. E. from junction of rd. S., 2 ft. S. and 25 ft. E. from fence corner, in concrete post; standard tablet stamped "1033 C W A 1934" -----	39 15 50.56	93 42 04.37	2,723
T. 52 N., R. 25 W., S. quarter cor. sec. 34, highway at fence N. -----	39 15 50.1	93 41 31.0	2,626
T. 52 N., R. 25 W., S. cor. secs. 34 and 35, highway from W.-N. -----	39 15 50.2	93 40 56.5	2,710
Norborne, water tower at -----	39 18 11.1	93 40 33.1	14,381
T. 51 N., R. 25 W., N. quarter cor. sec. 2, rd. at fence S. -----	39 15 50.0	93 40 20.4	14,310
T. 52 N., R. 25 W., E. sixteenth cor. on S. line sec. 35, T-rd. W. -----	39 15 50.0	93 40 05.0	1,205
T. 52 N., R. 25 W., E. sixteenth cor. sec. 35, T-rd. S. -----	39 16 16.0	93 40 05.6	2,632
T. 52 N., R. 25 W., quarter cor. between secs. 35 and 36, T-rd. W., 62 ft. N. of rd. corner from N.-E. -----	39 16 15.8	93 39 48.7	1,326
T. 52 N., R. 25 W., center sec. 36, 63 ft. N. and 18 ft. W. from rd. W. at fence S., 8 ft. N. of rd. E. (produced), 4 ft. W. of fence, in concrete post; standard tablet stamped "1034 C W A 1934" -----	39 16 15.62	93 39 14.38	2,697
T. 52 N., R. 24 and 25 W., quarter cor. between secs. 31 and 36, T-rd. S. -----	39 16 15.4	93 38 39.8	2,716

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Rd. at fence S. near center sec. 31, T. 52 N., R. 24 W. -----	39 16 17.6	93 37 59.6	3,174
T. 52 N., R. 24 W., quarter cor. between secs. 31 and 32, T-rd. W. -----	39 16 19.5	93 37 26.1	2,642
T. 52 N., R. 24 W., S. cor. secs. 31 and 32, T-rd. E. -----	39 15 53.5	93 37 25.9	2,626
T. 52 N., R. 24 W., S. quarter cor. sec. 32, 6 ft. S. and 293 ft. W. from iron pipe, 37 ft. S. of rd. at curve, 6 ft. E. of fence, in concrete post; standard tablet stamped "1035 C W A 1934" -----	39 15 55.05	93 36 56.09	2,351
T-rd. N. on line between secs. 32 and 33, T. 52 N., R. 24 W. -----	39 16 16.1	93 36 18.8	3,628
Rd. at fences N. and S. -----	39 16 19.1	93 35 45.4	2,640
Rd. at fence E. -----	39 16 31.1	93 35 11.9	2,902
476 C W A 1934 (previously described) -----	39 17 18.77	93 35 12.41	4,823

5. FROM RICHMOND QUADRANGLE AT SEC. 18, T. 52 N., R. 25 W., NORTH TO  
SEC. 1E, T. 54 N., R. 25 W. (by W. V. Kennedy in 1934)  
(Continued from Richmond quadrangle; see line 6.)

Carroll triangulation sta. of M.R.C. -----*	39 19 06.29	93 44 53.28	(2,612)
(For balance in Richmond quadrangle, see line 6.)			
T. 53 N., R. 25 W., quarter cor. between secs. 7 and 18, rd. at fences N. and S. -----	39 24 30.7	93 44 56.8	(2,745)
T. 53 N., R. 25 W., cor. secs. 7, 8, 17, and 18, crossroads -----	39 24 31.0	93 44 21.9	2,738
T. 53 N., R. 25 W., quarter cor. between secs. 7 and 8, rd. at fences E. and W. -----	39 24 56.5	93 44 21.9	2,580
T. 53 N., R. 25 W., cor. secs. 5, 6, 7, and 8, 0.5 mi. N. of Prairie Flower School, 51 ft. S. and 32 ft. E. from crossroads, 28 ft. S. and 10 ft. E. from fence corner, in concrete post; standard tablet stamped "1039 C W A 1934" -----	39 25 21.92	93 44 21.66	2,574
T. 53 N., R. 25 W., quarter cor. between secs. 5 and 6, rd. at fence E. -----	39 25 48.4	93 44 22.1	2,674
T. 53 N., R. 25 W., N. cor. secs. 5 and 6, T-rd. S., 30 ft. E. of T-rd. N. at S. cor. secs. 31 and 32, T. 54 N., R. 25 W. -----	39 26 14.8	93 44 22.6	2,674
T. 54 N., R. 25 W., quarter cor. between secs. 31 and 32, rd. at fence W. -----	39 26 40.8	93 44 22.9	2,629
T. 54 N., R. 25 W., cor. secs. 29, 30, 31, and 32, crossroads -----	39 27 07.2	93 44 22.6	2,680
Rd. at fence W. -----	39 27 34.2	93 44 22.5	2,730
T. 54 N., R. 25 W., cor. secs. 19, 20, 29, and 30, 57 ft. S. and 20 ft. E. from crossroads, 40 ft. S. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "1040 C W A 1934" -----	39 27 57.84	93 44 22.02	2,392
T. 54 N., R. 25 W., quarter cor. between secs. 19 and 20, rd. at fence W. -----	39 28 25.6	93 44 22.3	2,809
T. 54 N., R. 25 W., cor. secs. 17, 18, 19, and 20, crossroads -----	39 28 51.6	93 44 22.0	2,630
T. 54 N., R. 25 W., quarter cor. between secs. 17 and 18, rd. at fences E. and W. -----	39 29 17.9	93 44 21.8	2,665
T. 54 N., R. 25 W., cor. secs. 7, 8, 17, and 18, 22 ft. S. and 18 ft. W. from crossroads, 4 ft. S. and 1 ft. E. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 43 S 1921 Mo" -----	39 29 43.76	93 44 21.89	2,615

6. FROM CARROLLTON NORTH ALONG U.S. HIGHWAY 65 TO SEC. 10, T. 54 N.,  
R. 23 W., THENCE WEST ALONG ROADS TO SEC. 9, T. 54 N., R. 23 W.  
(by W. V. Kennedy in 1934)\*\*\*

1042 C W A 1934 (previously described) -----	39 21 28.50	93 29 47.75	.....
Carrollton, North Main Street at Fourth Street E. -----	39 21 45.2	93 29 45.0	1,705
Carrollton, Fourth Street at N.-S. cross street - Carrollton, highway at Fourth Street W. and rd. E. -----	39 21 45.3	93 29 32.5	968
T. 53 N., R. 23 W., quarter cor. between secs. 28 and 33, junction of rd. E. -----	39 21 45.4	93 29 15.8	1,310
T. 53 N., R. 23 W., center sec. 26, highway at fence E. -----	39 22 11.5	93 29 05.0	2,772
T. 53 N., R. 23 W., quarter cor. between secs. 21 and 28, crossroad -----	39 22 37.4	93 29 05.1	2,615
T. 53 N., R. 23 W., center sec. 21, highway at fences E. and W. -----	39 23 03.3	93 29 05.2	2,625
	39 23 29.4	93 29 05.2	2,635

\*Missouri River Commission.

\*\*In 1939 it was reported that this tablet was reset. The description  
and coordinates given refer to the new position.

\*\*\*Published also as line 2 of the Carrollton quadrangle (see Bull. 916-G).



Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Carrollton, 3.1 mi. N. of, 28 ft. S. and 30 ft. W. from junction of rd. E., 40 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "1045 C W A 1934" -----	39 23 45.12	93 29 05.71	1,597
T. 53 N., R. 23 W., quarter cor. between secs. 16 and 21, junction of abandoned rd. E. -----	39 23 55.0	93 29 05.4	1,000
Old crossroad on line through center sec. 16, T. 53 N., R. 23 W. -----	39 24 20.6	93 28 59.1	2,637
Crossroad on line between secs. 9 and 16, T. 53 N., R. 23 W. -----	39 24 47.5	93 28 42.2	3,032
Crossroad, 42 ft. W. of quarter cor. between secs. 9 and 10, T. 53 N., R. 23 W. -----	39 25 13.4	93 28 32.5	2,732
T. 53 N., R. 23 W., cor. secs. 3, 4, 9, and 10, highway at fences E. and W. -----	39 25 38.8	93 28 32.6	2,564
Carrollton, 5.9 mi. N. of, 29 ft. S. and 36 ft. W. from junction of rd. W., 3 ft. S. and 4 ft. W. from fence corner, in concrete post; standard tablet stamped "1046 C W A 1934" -----	39 26 03.91	93 28 33.64	2,544
Tps. 53 and 54 N., R. 23 W., approximate cor. secs. 3, 4, 33, and 34, junction of rd. E. at fence W. -----	39 26 30.4	93 28 33.9	2,680
T. 54 N., R. 23 W., quarter cor. between secs. 33 and 34, junction of rd. W. -----	39 26 56.5	93 28 33.9	2,640
T. 54 N., R. 23 W., cor. secs. 27, 28, 33, and 34, junction of County Route A west and rd. E. Highway at fences E. and W. on line through center sec. 27, T. 54 N., R. 23 W. -----	39 27 22.4	93 28 33.6	2,624
T. 54 N., R. 23 W., probable cor. secs. 21, 22, 27, and 28, junction of rd. E. -----	39 27 48.4	93 28 32.2	2,629
T. 54 N., R. 23 W., probable quarter cor. between secs. 21 and 22, highway at fences E. and W. -----	39 28 14.4	93 28 33.1	2,637
Carrollton, about 9.4 mi. N. of, 58 ft. S. and 24 ft. W. from E.-W. crossroad, 84 ft. N. and 23 ft. E. from NE. corner of Van Horn Church, 18 ft. S. of entrance to cemetery, in concrete post; standard tablet stamped "1047 C W A 1934" -----	39 28 40.4	93 28 32.3	2,628
T. 54 N., R. 23 W., quarter cor. between secs. 15 and 16, junction of private rd. W. at fence E. -----	39 29 05.86	93 28 32.42	2,578
T. 54 N., R. 23 W., cor. secs. 9, 10, 15, and 16, crossroad -----	39 29 32.5	93 28 31.5	2,699
T. 54 N., R. 23 W., quarter cor. between secs. 9 and 16, rd. at hedge fences N. and S. -----	39 29 58.7	93 28 31.2	2,644
T. 54 N., R. 23 W., cor. secs. 8, 9, 16, and 17, 19 ft. N. and 25 ft. E. from crossroads, 4 ft. S. and 5 ft. E. from fence corner; iron post stamped "Prim Trav Sta No 55 S 1921 Mo" -----	39 29 58.8	93 29 04.6	2,617
	39 29 59.08	93 29 37.48	2,578

7. FROM SEC. 9, T. 54 N., R. 23 W., WEST TO SEC. 16, T. 54 N., R. 25 W., INCLUDING THAT PART OF THE LINE IN DAWN QUADRANGLE (by C. D. Craig in 1936)\*

Prim Trav Sta No 55 S 1921 Mo (previously described)** -----	39 29 59.08	93 29 37.48	.....
T. 54 N., R. 23 W., cor. secs. 16, 17, 20, and 21, crossroads** -----	39 29 06.6	93 29 38.2	5,308
Chicago, Burlington & Quincy R.R. at rd. crossing T. 54 N., R. 23 W., cor. secs. 17, 18, 19, and 20, T-rd. E. -----	39 29 06.6	93 30 37.0	4,610
T. 54 N., R. 23 W., 0.2 mi. E. of W. cor. secs. 18 and 19, 12 ft. S. and 20 ft. E. from crossroads, 2 ft. S. and 3 ft. E. from fence corner; in concrete post; standard tablet stamped "T T 52 C 1936" -----	39 29 06.6	93 30 45.2	635
T-rd. W. -----	39 29 05.92	93 31 35.63	3,958
T-rd. N. -----	39 29 47.3	93 31 35.6	4,185
T-rd. N. -----	39 29 44.3	93 32 10.8	2,780
T-rd. N. -----	39 29 43.4	93 32 58.4	3,729
T. 54 N., R. 24 W., S. sixteenth cor. between secs. 11 and 12, 15 ft. S. and 230 (? 192) ft. E. from T-rd. N., 15 ft. S. and 15 ft. E. from rd. corner; iron post stamped "Prim Trav Sta No 54 S 1921 Mo" -----	39 30 09.11	93 32 58.94	2,602
T-rd. E. -----	39 30 07.5	93 34 09.6	5,539
T. 54 N., R. 24 W., quarter cor. between secs. 14 and 15, rd. corner from N.-W. -----	39 29 28.6	93 34 08.8	3,940
T. 54 N., R. 24 W., center sec. 15, T-rd. N. -----	39 29 27.2	93 34 42.4	2,643
470 C W A 1934 (previously described) -----	39 29 23.63	93 35 50.78	5,369
Rd. fork S. -----	39 29 49.2	93 35 52.7	2,591
Prim Trav Sta No 53 S 1921 Mo (previously described) -----	39 29 48.04	93 37 16.28	6,557

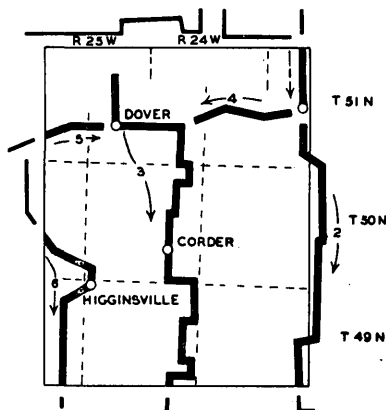
\*Line 6 of Dawn quadrangle includes a portion of this line (see Bull. 916-D).  
 \*\*Published also in Carrollton quadrangle (see Bull. 916-G).

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 54 N., R. 24 W., cor. secs. 7, 8, 17, and 18, rd. at fences N. and S. -----	39 29 47.2	93 37 29.9	1,071
T-rd. S. -----	39 29 47.8	93 38 21.8	4,065
T. 54 N., Rs. 24 and 25 W., approximate cor. secs. 7, 12, 13, and 18, rd. corner from E.-N.-	39 29 48.8	93 38 40.6	1,485
T. 54 N., R. 25 W., cor. secs. 11, 12, 13, and 14, T-rd. W. -----	39 29 44.7	93 39 49.3	5,397
T. 54 N., R. 25 W., cor. secs. 10, 11, 14, and 15, 15 ft. N. and 40 ft. W. from crossroads; iron post stamped "Prim Trav Sta No 52 S 1921 Mo" -----	39 29 44.26	93 40 57.89	5,377
T. 54 N., R. 25 W., cor. secs. 9, 10, 15, and 16, County Route D at crossroad -----	39 29 44.3	93 42 03.8	5,165
T. 54 N., R. 25 W., cor. secs. 8, 9, 16, and 17, crossroads -----	39 29 44.2	93 43 13.1	5,432
Prim Trav Sta No 43 S 1921 Mo (previously described) -----	39 29 43.76	93 44 21.89	5,395

Magnetic declination 7° 29' E.

HIGGINSVILLE QUADRANGLE  
(Latitude 39°00'-39°15'; longitude 93°30'-93°45')

Carroll and Lafayette Counties



1. FROM NORBORNE QUADRANGLE SOUTH AND WEST ALONG U.S. HIGHWAY 65 TO  
SEC. 24, T. 51 N., R. 24 W. (by W. V. Kennedy in 1934)\*  
(Continued from Norborne quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 51 N., R. 23 W., quarter cor. between secs. 7 and 8, highway at fences E. and W. -----	39 14 46.0	93 30 43.0	(2,620)
T. 51 N., R. 23 W., cor. secs. 7, 8, 17, and 18, highway at fence E. -----	39 14 19.7	93 30 43.4	2,660
T. 51 N., R. 23 W., quarter cor. between secs. 17 and 18 -----	39 13 53.3	93 30 43.7	2,670
Junction of rd. W. -----	39 13 16.6	93 30 58.9	3,904
Missouri River, N. end of bridge over -----	39 13 04.9	93 30 57.1	1,193
Junction of rd. E. -----	39 12 43.9	93 30 53.9	2,134
Transmission-line tower on bluff S. of Missouri River -----	39 12 42.4	93 31 14.7	1,640
Waverly, 15 ft. N. and 70 ft. E. from center of triangle formed by junction of U.S. Highways 24 and 65, 4 ft. N. and 2 ft. E. from telegraph pole, in concrete post; standard tablet stamped "479 C W A 1934" -----	39 12 27.27	93 30 44.75	2,811
Junction of rd. S. -----	39 12 10.8	93 30 20.9	2,509
Junction of rd. S. -----	39 12 00.8	93 30 00.3	1,915
Highway at fences N. and S. (in Malta Bend quadrangle) -----	39 12 06.4	93 29 22.8	3,011

\*Line 1 of Malta Bend quadrangle includes a portion of this line (see Bull. 916-G).

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
2. FROM SEC. 23, T. 51 N., R. 24 W., SOUTH INTO KNOENOSTER QUADRANGLE AT SEC. 36, T. 49 N., R. 24 W., INCLUDING THAT PART OF THE LINE IN MALTA BEND QUADRANGLE (by W. V. Kennedy in 1934)*			
Junction of rd. S. (previously described) -----	39 12 10.8	93 30 20.9	.....
T. 51 N., R. 24 W., E. sixteenth cor. sec. 23, crossroads -----	39 11 54.9	93 30 21.9	1,610
T. 51 N., R. 24 W., E. sixteenth cor. between secs. 23 and 26, rd. at fences E. and W. -----	39 11 28.8	93 30 23.3	2,649
T. 51 N., R. 24 W., E. sixteenth cor. sec. 26, rd. at fence E. -----	39 11 02.9	93 30 24.8	2,620
T. 51 N., R. 24 W., E. sixteenth cor. between secs. 26 and 35, 21 ft. S. and 29 ft. W. from T-rd. W., 2 ft. S. and 9 ft. W. from fence corner, in concrete post; standard tablet stamped "480 C W A 1934" -----	39 10 36.03	93 30 26.77	2,721
T. 51 N., R. 24 W., E. sixteenth cor. sec. 35, rd. at fence W. -----	39 10 09.8	93 30 27.6	2,650
Tps. 50 and 51 N., R. 24 W., approximate E. sixteenth cor. between secs. 2 and 35, T-rd. E. -----	39 09 43.9	93 30 29.0	2,630
Tps. 50 and 51 N., R. 24 W., approximate quarter cor. between secs. 1 and 36, rd. at fences N. and S. -----	39 09 41.6	93 29 38.6	3,976
Tps. 50 and 51 N., R. 24 W., approximate E. cor. secs. 1 and 36, Lafayette-Saline county line, stone at T-rd. S. -----	39 09 40.4	93 29 04.9	2,658
T. 50 N., R. 24 W., E. quarter cor. sec. 1, junction of private rd. W. -----	39 09 14.0	93 29 06.3	2,663
T. 50 N., R. 23 W., 575 ft. N. of W. cor. secs. 6 and 7, 37 ft. E. of rd. on Lafayette-Saline county line, 20 ft. S. and 102 ft. W. from NW. corner of farmhouse of A. H. Meyer, in concrete post; standard tablet stamped "481 C W A 1934" -----	39 08 52.90	93 29 07.08	2,141
T. 50 N., R. 24 W., E. quarter cor. sec. 12, rd. at fence W., 34 ft. N. of rd. at fence E. at W. quarter cor. sec. 7, T. 50 N., R. 23 W. -----	39 08 21.4	93 29 09.2	3,190
T. 50 N., R. 24 W., E. cor. secs. 12 and 13, rd. at fence W., 245 ft. N. of rd. at fence E. at W. cor. secs. 7 and 18, T. 50 N., R. 23 W. -----	39 07 55.5	93 29 10.6	2,620
T. 50 N., R. 24 W., E. quarter cor. sec. 13, T-rd. W. -----	39 07 29.4	93 29 12.1	2,650
T. 50 N., R. 23 W., W. cor. secs. 18 and 19, rd. at fence S. near rd. corner from N.-E. -----	39 07 02.3	93 29 13.4	2,743
T-rd. W. -----	39 06 44.3	93 28 55.6	2,297
Blackburn, Main Street at rd. E. -----	39 06 36.0	93 28 59.9	907
Blackburn, Alton R.R. at Main Street crossing -----	39 06 16.9	93 29 00.9	1,930
Blackburn, 520 ft. E. of Lafayette-Saline county line, 35 ft. S. and 270 ft. W. from State Highway 20 at rd. N., 55 ft. N. and 3 ft. E. from NE. corner of barn, in concrete post; standard tablet stamped "482 C W A 1934" -----	39 06 09.79	93 29 10.47	1,045
T. 50 N., R. 24 W., quarter cor. between secs. 24 and 25, State Highway 20 at rd. S. -----	39 06 11.6	93 29 50.1	3,128
T. 50 N., R. 24 W., center sec. 25, rd. at fence W. -----	39 05 45.8	93 29 51.3	2,611
T. 50 N., R. 24 W., quarter cor. between secs. 25 and 36, T-rd. W. -----	39 05 19.8	93 29 52.4	2,641
T. 50 N., R. 24 W., center sec. 36, rd. at fence E. -----	39 04 52.7	93 29 53.9	2,740
Tps. 49 and 50 N., R. 24 W., approximate quarter cor. between secs. 1 and 36, rd. at fences E. and W. -----	39 04 26.6	93 29 55.1	2,650
T. 49 N., R. 24 W., N. sixteenth cor. sec. 1, 28 ft. S. and 5 ft. W. from rd. forks, 71 ft. E. of rd. S., 2 ft. S. of fence, in concrete post; standard tablet stamped "483 C W A 1934" -----	39 04 13.08	93 29 55.62	1,365
T-rd. E. -----	39 04 00.5	93 29 39.6	1,794
Rd. at fence E. -----	39 03 34.1	93 29 41.0	2,670
Rd. at fence W. -----	39 03 07.8	93 29 42.2	2,670
T. 49 N., R. 24 W., E. sixteenth cor. between secs. 12 and 13, rd. at fences E. and W. -----	39 02 41.9	93 29 43.6	2,619
Rd. at fence E. -----	39 02 12.1	93 29 44.7	3,020
T. 49 N., R. 24 W., E. sixteenth cor. between secs. 13 and 24, T-rd. N. -----	39 01 49.5	93 29 45.8	2,286
T. 49 N., R. 24 W., N. sixteenth cor. sec. 24, rd. corner from E.-S. -----	39 01 36.8	93 30 04.3	1,949
T. 49 N., R. 24 W., center sec. 24, 56 ft. S. and 19 ft. E. from crossroads, in concrete post; standard tablet stamped "484 C W A 1934" -----	39 01 23.53	93 30 04.91	1,345
T. 49 N., R. 24 W., quarter cor. between secs. 24 and 25, T-rd. W. -----	39 00 58.1	93 30 06.7	2,571

\*Published also as line 2 of Malta Bend quadrangle (see Bull. 916-c).

Station	Latitude	Longitude	Distance
Davis drainage ditch, center of bridge over -----	39 00 26.0	93 30 08.4	Feet 3,251
T. 49 N., R. 24 W., quarter cor. between secs. 25 and 36, T-rd. W. -----	39 00 05.2	93 30 09.6	2,110

(Continued in Knobnoster quadrangle; see line 7.)

3. FROM SEC. 9, T. 51 N., R. 25 W., SOUTH TO DOVER, THENCE EAST ALONG  
U.S. HIGHWAY 24 TO SEC. 26, T. 51 N., R. 25 W., THENCE SOUTH ALONG  
ROADS INTO KNOBNOSTER QUADRANGLE AT SEC. 35, T. 49 N., R. 25 W.  
(by W. V. Kennedy in 1934)

Dover triangulation sta. of M.R.C. -----*	39 13 45.33	93 39 58.00	.....
Rd. corner from E.-S. and private rd. N. -----	39 13 16.8	93 40 07.1	2,971
T. 51 N., R. 25 W., quarter cor. between secs. 16 and 17, stone at rd. corner from E.-S. -----	39 13 03.7	93 40 25.2	1,952
T. 51 N., R. 25 W., cor. secs. 16, 17, 20, and 21, T-rd. E. -----	39 12 37.6	93 40 26.4	2,639
T-rd. E. -----	39 12 15.5	93 41 01.0	3,527
County Route P west and S. at rds. E. and N. ----	39 12 12.8	93 41 18.0	1,366
County Route P at fences E. and W. -----	39 11 53.7	93 41 17.9	1,938
Dover, 36 ft. S. and 207 ft. E. from junction of County Route P, 20 ft. N. and 61 ft. E. from NE. corner of dwelling of G. F. Zeysing, in concrete post; standard tablet stamped "485 C W A 1934" -----	39 11 35.05	93 41 12.64	1,927
Highway at fence S. on line through center sec. 29, T. 51 N., R. 25 W. -----	39 11 36.4	93 41 02.2	630
Highway at fence S. on probable line between secs. 28 and 29, T. 51 N., R. 25 W. -----	39 11 45.4	93 40 26.8	2,934
T. 51 N., R. 25 W., probable quarter cor. between secs. 21 and 28, junction of rd. S. -----	39 11 45.3	93 39 54.1	2,580
T. 51 N., R. 25 W., cor. secs. 21, 22, 27, and 28, highway at fences N. and S. -----	39 11 44.9	93 39 18.5	2,800
T. 51 N., R. 25 W., quarter cor. between secs. 22 and 27, highway at fence N. -----	39 11 44.4	93 38 43.7	2,740
Highway at fence N. on line between secs. 26 and 27, T. 51 N., R. 25 W. -----	39 11 42.2	93 38 08.9	2,748
T. 51 N., R. 25 W., near quarter cor. between secs. 23 and 26, 43 ft. N. and 75 ft. E. from U.S. Highway 24 at rd. S., 68 ft. S. and 42 ft. E. from SE. corner of porch of Hitt School, in concrete post; standard tablet stamped "486 C W A 1934" -----	39 11 37.57	93 37 33.83	2,800
T. 51 N., R. 25 W., center sec. 26, rd. at fence E. -----	39 11 16.5	93 37 35.8	2,139
T. 51 N., R. 25 W., quarter cor. between secs. 26 and 35, rd. at fence E. -----	39 10 50.7	93 37 37.5	2,609
T. 51 N., R. 25 W., center sec. 35, rd. at fences E. and W. -----	39 10 25.1	93 37 39.5	2,600
T. 51 N., R. 25 W., S. quarter cor. sec. 35, rd. N. at fences E. and W., 83 ft. E. of rd. S. at fences E. and W. at N. quarter cor. sec. 42, T. 50 N., R. 25 W. -----	39 09 59.3	93 37 41.2	2,615
T-rd. W. -----	39 09 45.7	93 37 26.2	1,812
T. 50 N., R. 25 W., E. sixteenth cor. sec. 2, rd. at fence W. -----	39 09 32.6	93 37 27.0	1,331
T. 50 N., R. 25 W., E. sixteenth cor. between secs. 2 and 11, 23 ft. S. and 2 ft. W. from T-rd. N. in concrete post; standard tablet stamped "487 C W A 1934" -----	39 09 05.74	93 37 28.01	2,715
T. 50 N., R. 25 W., probable quarter cor. between secs. 2 and 11, rd. at fence N. near rd. corner T-rd. N., 196 ft. W. of rd. corner from W.-S. at center sec. 11, T. 50 N., R. 25 W. -----	39 09 06.1	93 37 45.3	1,359
T. 50 N., R. 25 W., quarter cor. between secs. 11 and 14, T-rd. E. -----	39 08 40.2	93 37 48.3	2,632
T. 50 N., R. 25 W., center sec. 14, T-rd. W. ----	39 08 13.7	93 37 46.8	2,682
T. 50 N., R. 25 W., quarter cor. between secs. 14 and 23, T-rd. E. -----	39 07 47.8	93 37 47.9	2,620
Rd. forks -----	39 07 21.4	93 37 49.1	2,671
T. 50 N., R. 25 W., N. sixteenth cor. between secs. 22 and 23, rd. fork S. -----	39 07 08.2	93 37 49.7	1,332
Corder, 0.5 mi. N. of, 42 ft. N. and 30 ft. E. from junction of State Highway 20 and County Route V, 14 ft. N. of telegraph pole, in concrete post; standard tablet stamped "488 C W A 1934" -----	39 07 09.0	93 38 23.2	2,641
Corder, main street at E.-W. rd. -----	39 06 30.94	93 38 24.30	3,848
Corder, spire of Lutheran Church -----	39 05 59.7	93 38 26.3	3,168
T. 50 N., R. 25 W., cor. secs. 26, 27, 34, and 35, rd. at fences E. and W. -----	39 06 09.0	93 38 17.2	1,187
	39 05 38.0	93 38 27.1	3,231

\*Missouri River Commission.

\*\*This tablet was reported destroyed and an unstamped tablet was set in schoolhouse steps, 67 ft. N. and 42 ft. W. from the described location and position of the original tablet.

\*\*\*It was reported in December 1938 by the State Highway Department that this tablet was reset 33 ft. N. and 11 ft. E. from its original location. The description and coordinates given refer to the new position.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 50 N., R. 25 W., quarter cor. between secs. 34 and 35, rd. at fence E., 16 ft. N. of T-rd. W.-----	39 05 11.9	93 38 28.3	2,641
T. 50 N., R. 25 W., S. cor. secs. 34 and 35, T-rd. N., 15 ft. E. of T-rd. S. at N. cor.-----	39 04 45.7	93 38 29.5	2,654
T. 49 N., R. 25 W., N. quarter cor. sec. 2, rd. at fence S.-----	39 04 45.2	93 37 55.9	2,651
T. 50 N., R. 25 W., S. cor. secs. 35 and 36, rd. at fence N.-----	39 04 44.5	93 37 22.7	2,620
Tps. 49 and 50 N., R. 25 W., approximate quarter cor. between secs. 1 and 36, 73 ft. W. of rd. S., 87 ft. W. of rd. N., 21 ft. S. of rd., in concrete post; standard tablet stamped "489 C W A 1934"-----	39 04 43.6	93 36 50.3	2,558
T. 49 N., R. 25 W., center sec. 1, T-rd. E.-----	39 04 17.9	93 36 50.2	2,600
T. 49 N., R. 25 W., quarter cor. between secs. 1 and 12, rd. at fence E.-----	39 03 51.4	93 36 51.1	2,680
T. 49 N., R. 25 W., center sec. 12, T-rd. W.-----	39 03 25.2	93 36 52.5	2,660
T. 49 N., R. 25 W., S. sixteenth cor. sec. 12, rd. corner from N.-E.-----	39 03 11.9	93 36 53.2	1,340
T. 49 N., R. 25 W., E. sixteenth cor. between secs. 12 and 13, T-rd. E.-----	39 02 59.1	93 36 36.2	1,869
T. 49 N., R. 25 W., E. sixteenth cor. sec. 13, 26 ft. N. and 31 ft. W. from T-rd. N., 2 ft. NW. of fence, in concrete post; standard tablet stamped "490 C W A 1934"-----	39 02 32.88	93 36 38.05	2,653
T. 49 N., R. 25 W., center sec. 13, rd. at fences N. and S.-----	39 02 32.5	93 36 55.3	1,360
T. 49 N., R. 25 W., E. sixteenth cor. sec. 14, T-rd. S.-----	39 02 32.6	93 37 46.4	4,035
Rd. at fence W. on line between secs. 14 and 23, T. 49 N., R. 25 W.-----	39 02 06.0	93 37 56.4	2,799
T-rd. N.-----	39 01 39.4	93 37 58.2	2,704
Davis drainage ditch, center of bridge over-----	39 01 11.2	93 37 51.2	2,905
T. 49 N., R. 25 W., E. sixteenth cor. sec. 26, stone at rd. corner from N.-E.-----	39 00 46.3	93 37 52.6	2,519
T. 49 N., R. 25 W., quarter cor. between secs. 25 and 26, 12 ft. N. and 7 ft. E. from rd. corner from W.-S. and private rd. E., 5 ft. N. and 9 ft. E. from fence corner, in concrete post; standard tablet stamped "491 C W A 1934"-----	39 00 46.09	93 37 35.56	1,341
T. 49 N., R. 25 W., cor. secs. 25, 26, 35, and 36, T-rd. N.-----	39 00 19.4	93 37 37.3	2,703
T. 49 N., R. 25 W., quarter cor. between secs. 26 and 35, T-rd. S.-----	39 00 20.3	93 36 10.8	2,644

(Continued in Knobnoster quadrangle; see line 8.)

4. FROM WAVERLY WEST ALONG U.S. HIGHWAY 24 TO SEC. 26, T. 51 N., R. 25 W.  
(by W. V. Kennedy in 1934)

479 C W A 1934 (previously described)-----	39 12 27.27	93 30 44.75	.....
Junction of rd. N.-----	39 12 26.3	93 31 15.7	2,440
Crossroad, 302 ft. S. of old T-rd. E. at probable cor. secs. 15, 16, 21, and 22, T. 51 N., R. 24 W.-----	39 12 21.3	93 31 46.1	2,448
Junction of rd. E. on line through center sec. 21, T. 51 N., R. 24 W.-----	39 12 00.2	93 32 26.4	3,815
Junction of State Highway 23 S.-----	39 11 59.5	93 32 47.7	1,679
Highway at fences N. and S.-----	39 12 08.6	93 33 13.1	2,204
Junction of rd. N.-----	39 12 06.4	93 34 00.3	3,726
Waverly, 3.5 mi. W. of, about 500 ft. W. of junction of rd. S., 56 ft. S. and 6 ft. W. from SE. corner of farmhouse of Julius Schowe, 41 ft. N. of highway, in concrete post; standard tablet stamped "1002 C W A 1934"-----	39 12 06.30	93 34 11.28	862
Junction of rd. N.-----	39 12 06.2	93 34 50.2	3,062
Junction of rd. S.-----	39 12 04.0	93 35 29.8	3,133
Junction of rd. N.-----	39 11 56.7	93 36 10.8	3,305
Junction of rd. S. on line through center of W½ sec. 25, T. 51 N., R. 25 W.-----	39 11 38.6	93 36 43.8	3,177
Highway at fences N. and S. on line through center of E½ sec. 26, T. 51 N., R. 25 W.-----	39 11 36.6	93 37 17.7	2,674
486 C W A 1934 (previously described)-----	39 11 37.57	93 37 35.83	1,277

5. FROM LEXINGTON QUADRANGLE EAST ALONG U.S. HIGHWAY 24 TO DOVER  
(by W. V. Kennedy in 1934)

(Continued from Lexington quadrangle; see line 5.)

Highway at fence S.-----	39 11 19.6	93 44 36.2	(3,830)
Tabo Creek, center of bridge over-----	39 11 25.0	93 44 12.7	1,924

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Dover, about 2 mi. W. of, 33 ft. N. and 35 ft. W. from junction of rd. N., 31 ft. S. and 26 ft. E. from SE. corner of Garr School, in concrete post; standard tablet stamped "1006 C W A 1934"	39 11 22.27	93 43 36.27	2,882
T. 51 N., Rs. 25 and 26 W., quarter cor. between secs. 25 and 30, junction of rd. N. -----	39 11 21.6	93 42 51.4	3,531
Crossroad on line through center sec. 30, T. 51 N., R. 25 W. -----	39 11 26.4	93 42 17.7	2,705
Highway at fence N. on line between secs. 29 and 30, T. 51 N., R. 25 W. -----	39 11 34.3	93 41 44.5	2,731
485 C W A 1934 (previously described) -----	39 11 35.05	93 41 12.64	2,508

6. FROM LEXINGTON QUADRANGLE SOUTH ALONG STATE HIGHWAY 13 INTO KNOBNOSTER QUADRANGLE (by W. V. Kennedy in 1934)  
(Continued from Lexington quadrangle; see line 7.)

T. 50 N., R. 26 W., quarter cor. between secs. 26 and 35, highway at fences N. and S. -----	39 05 43.8	93 44 42.4	(3,852)
T. 50 N., R. 26 W., cor. secs. 25, 26, 35, and 36, highway at fences N. and S. -----	39 05 43.0	93 44 08.5	2,669
Higginsville, about 1.5 mi. NW. of, 33 ft. N. and 75 ft. W. from junction of rd. NE. to Confederate Soldiers' Home, in concrete post; standard tablet stamped "1009 C W A 1934" -----	39 05 42.75 39 05 42.0	93 43 54.35 93 43 40.3	1,119 1,108
Highway at fence S. -----			
Higginsville, 1 mi. N. of, water tower at Confederate Soldiers' Home -----	39 06 00.8	93 43 36.7	1,929
Junction of State Highway 20 at rd. S. -----	39 05 35.7	93 43 01.2	3,776
Highway at hedge W. on line through center sec. 36, T. 50 N., R. 26 W. -----	39 05 12.7	93 42 59.4	2,333
Higginsville, highway (main street) at streets E. and W. -----	39 04 47.9	93 43 00.2	2,511
Higginsville, main track of Alton R.R. at highway crossing -----	39 04 23.6	93 43 01.0	2,454
Higginsville, water tower at -----	39 04 23.0	93 42 52.1	710
Higginsville, highway at streets N. and S. -----	39 04 14.6	93 43 16.5	1,102
Highway at fence W. -----	39 04 08.5	93 43 54.6	3,068
Higginsville, 0.5 mi. SW. of, 37 ft. N. and 68 ft. W. from NW. corner of dwelling of W. M. Stoll, 29 ft. S. and 29 ft. W. from junction of rd. W., in concrete post; standard tablet stamped "1010 C W A 1934" -----	39 03 56.32	93 43 57.88	1,256
T. 49 N., R. 26 W., W. sixteenth cor. sec. 12, highway at fences E. and W. -----	39 03 29.8	93 43 58.2	2,680
T. 49 N., R. 26 W., W. sixteenth cor. between secs. 12 and 13, crossroad -----	39 03 04.4	93 43 58.8	2,573
T. 49 N., R. 26 W., W. sixteenth cor. sec. 13, highway at fences E. and W. -----	39 02 38.4	93 44 00.0	2,637
T. 49 N., R. 26 W., W. sixteenth cor. between secs. 13 and 24, crossroad -----	39 02 12.1	93 44 01.2	2,660
T. 49 N., R. 26 W., center of SW 1/4 sec. 24, highway at fence W. -----	39 01 33.9	93 44 02.8	3,870
T. 49 N., R. 26 W., W. sixteenth cor. between secs. 24 and 25, 1.5 mi. N. of junction of U.S. Highway 40, 50 ft. N. and 32 ft. W. from crossroad, 27 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "1011 C W A 1934" -----	39 01 20.75	93 44 03.75	1,329
T. 49 N., R. 26 W., W. sixteenth cor. sec. 25, highway at fence W. -----	39 00 54.0	93 44 04.5	2,710
T. 49 N., R. 26 W., W. sixteenth cor. between secs. 25 and 36, junction of private rd. W. ---	39 00 27.9	93 44 05.6	2,640
T. 49 N., R. 26 W., W. sixteenth cor. sec. 36, intersection of U.S. Highway 40 -----	39 00 03.0	93 44 06.4	2,520

(Continued in Knobnoster quadrangle; see line 9.)

Magnetic declination 7° 35' E.



Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Missouri Pacific R.R. at rd. crossing -----	38 58 59.6	93 35 39.5	4,062
Missouri Pacific R.R. at rd. crossing -----	38 58 59.8	93 36 22.5	3,399
Missouri Pacific R.R. at rd. crossing -----	38 58 49.6	93 36 49.7	2,383
Mulkey, Missouri Pacific R.R. at rd. crossing at sta. -----	38 58 55.8	93 37 57.0	5,358
Concordia, 4 mi. W. of, 3.5 mi. SE. of Aullville, along Missouri Pacific R.R., in N <sup>1</sup> / <sub>2</sub> sec. 2, T. 48 N., R. 25 W., 10 ft. N. and 50 ft. E. from rd. crossing; iron post stamped "Prim Trav Sta No 18 1914 Mo 788" -----	38 59 15.43	93 38 13.80	2,390
T-rd. N. -----	38 59 15.7	93 38 48.6	2,115
T. 48 N., R. 25 W., center sec. 4, T-rd. W. -----	38 59 04.3	93 40 28.7	8,612
T. 48 N., R. 25 W., quarter cor. between secs. 4 and 5, T-rd. N. -----	38 59 05.3	93 41 03.8	2,700
T. 48 N., R. 25 W., quarter cor. between secs. 5 and 6, rd. at hedge N. -----	38 59 06.0	93 42 09.5	5,268
T. 48 N., R. 25 W., center sec. 6, crossroads -----	38 59 06.8	93 42 43.1	2,650
T. 48 N., R. 25 W., W. quarter cor. sec. 6 -----	38 59 07.5	93 43 17.8	2,743
Davis Creek, center of bridge over -----	38 59 08.6	93 44 07.3	3,912
T. 48 N., R. 26 W., probable S. cor. secs. 35 and 36 -----	38 59 36.2	93 44 24.2	3,092

(Continued in Odessa quadrangle; see line 2.)

3. FROM WINDSOR QUADRANGLE AT WARRENSBURG EAST ALONG ROADS AND  
MISSOURI PACIFIC RAILROAD INTO SWEET SPRINGS QUADRANGLE AT SEC. 13,  
T. 46 N., R. 24 W. (by E. L. McNair in 1914)

(Continued from Windsor quadrangle; see line 1.)

Normal triangulation sta., U.S.C. & G.S. -----	38 45 33.13	93 44 16.47	(5,339)
(For balance in Windsor quadrangle, see line 1.)			
T. 46 N., R. 25 W., cor. secs. 22, 23, 26, and 27, T-rd. N. -----	38 45 26.9	93 44 01.4	(5,305)
R.R. at rd. crossing -----	38 46 30.7	93 38 05.9	7,814
Montserrat, at sta., 125 ft. E. of R.R. at rd. crossing -----	38 46 34.8	93 37 16.2	3,956
R.R. at fences N. and S. -----	38 46 29.0	93 36 43.1	2,682
Clear Fork Creek, center of trestle over -----	38 46 16.4	93 35 30.8	5,869
R.R. at rd. crossing -----	38 46 00.6	93 34 12.3	6,420
Knobnoster, R.R. at rd. crossing, 265 ft. W. of sta. -----	38 46 01.9	93 33 22.2	3,969
Knobnoster triangulation sta.; U.S.C. & G.S. standard disk designated "Knobnoster" -----	38 46 35.58	93 33 07.12	3,614
T-rd. S. -----	38 45 51.3	93 32 00.2	6,944
T-rd. N. -----	38 45 50.0	93 31 26.7	2,650
T. 46 N., Rs. 23 and 24 W., N. sixteenth cor. between secs. 19 and 24, 25 ft. E. of Johnson-Pettis county line, 55 ft. N. and 15 ft. E. from crossroads, 37 ft. N. and 1 ft. E. from fence corner; iron post stamped "Prim Trav Sta No 15 1914 Mo" -----	38 45 47.60	93 30 02.87	6,648
T. 46 N., R. 24 W., E. cor. secs. 13 and 24 -----	38 46 00.0	93 30 02.2	1,260
R.R. at Johnson-Pettis county line -----	38 46 21.9	93 30 00.8	2,214
T. 46 N., R. 24 W., E. cor. secs. 12 and 13, E.-W. rd. at Johnson-Pettis county line (in Sweet Springs quadrangle)* -----	38 46 52.4	93 29 59.0	3,089

4. FROM SEC. 36, T. 48 N., R. 24 W., NORTH TO SEC. 25, T. 48 N., R. 24 W.  
(by E. L. McNair in 1914)\*\*

Dunksburg, granite post at crossroads on township line (in Sweet Springs quadrangle) -----	38 53 57.4	93 29 51.4	(4,210)
Blackwater River, center of bridge over -----	38 54 37.8	93 30 26.3	4,931
T. 48 N., R. 24 W., quarter cor. between secs. 25 and 36 -----	38 54 51.2	93 30 26.0	1,361
T. 48 N., R. 24 W., quarter cor. between secs. 24 and 25, T-rd. S. on Johnson-Lafayette county line -----	38 55 43.7	93 30 23.5	5,309
T. 48 N., Rs. 23 and 24 W., cor. secs. 19, 24, 25, and 30, T-rd. W. at corner of Johnson, Lafayette, and Pettis Counties (in Sweet Springs quadrangle) -----	38 55 41.7	93 29 49.2	2,718

5. FROM SEC. 14, T. 47 N., R. 26 W., EAST TO SEC. 12, T. 47 N., R. 24 W.  
(by E. L. McNair in 1914)

Crossroads (previously described) -----	38 51 48.4	93 44 22.2	.....
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\*Published also in Sweet Springs quadrangle (see Bull. 916-G).

\*\*Published also as a portion of line 1 of Sweet Springs quadrangle (see Bull. 916-G).



Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 47 N., R. 26 W., E. cor. secs. 13 and 24, T-rd. W. -----	36 51 46.9	93 43 13.3	5,444
T-rd. E. -----	38 52 10.6	93 43 11.6	2,411
T. 47 N., R. 25 W., W. sixteenth cor. between secs. 8 and 17, T-rd. E. -----	38 52 34.4	93 41 45.4	7,232
T. 47 N., R. 25 W., cor. secs. 8, 9, 16, and 17, rd. at fence S. -----	38 52 32.9	93 40 55.6	3,938
Crossroads -----	38 52 45.1	93 40 19.9	3,082
T. 47 N., R. 25 W., approximate quarter cor. between secs. 10 and 15, rd. corner from N.-E.-	36 52 29.8	93 39 11.8	5,605
T. 47 N., R. 25 W., cor. secs. 10, 11, 14, and 15, crossroads -----	38 52 28.1	93 38 37.9	2,685
T. 47 N., R. 25 W., quarter cor. between secs. 11 and 14, T-rd. N. -----	38 52 26.6	93 38 04.6	2,644
Valley City, 1.2 mi. NW. of, in NE 1/4 sec. 14, T. 47 N., R. 25 W., about 20 ft. W. of T-rd. E., near fence; iron post stamped "Prim Trav Sta No 25 1914 Mo 676" -----	36 52 12.69	93 37 48.93	1,871
Blackwater River, center of bridge over -----	38 52 11.4	93 37 19.1	2,367
T. 47 N., R. 24 W., W. cor. secs. 7 and 18, T-rd. E. at fence W., 45 ft. N. of E. cor. secs. 12 and 15, T. 47 N., R. 25 W. -----	38 52 22.4	93 36 23.7	4,517
T. 47 N., R. 24 W., cor. secs. 7, 8, 17, and 18, rd. at fence N. and hedge fence S. -----	38 52 20.1	93 35 15.0	5,442
T. 47 N., R. 24 W., quarter cor. between secs. 8 and 17, crossroads -----	38 52 19.2	93 34 41.8	2,627
T. 47 N., R. 24 W., cor. secs. 8, 9, 16, and 17, stone in E.-W. rd., 50 ft. W. of bridge -----	38 52 18.0	93 34 09.0	2,594
T. 47 N., R. 24 W., quarter cor. between secs. 9 and 16, T-rd. N. -----	36 52 17.0	93 33 35.5	2,655
T. 47 N., R. 24 W., W. sixteenth cor. between secs. 10 and 15, T-rd. E. -----	38 52 15.6	93 32 45.3	3,970
T. 47 N., R. 24 W., approximate cor. secs. 10, 11, 14, and 15, junction of private rd. N. to dwelling -----	36 52 13.8	93 31 55.2	3,964
Cooks Knob triangulation sta., U.S.C. & G.S. ---	36 51 56.36	93 31 31.71	2,569
T-rd. E. -----	38 52 20.4	93 31 38.1	2,417
T-rd. near Brushy Hill School -----	36 52 24.5	93 30 45.0	4,212
Dunksburg, 2 mi. S. of, in SE 1/4 sec. 12, T. 47 N., R. 24 W., 250 ft. S. 55° E. of dwelling of R. S. Tyler, 20 ft. N. of T-rd. S. 4 ft. S. of fence; iron post stamped "Prim Trav Sta No 16 1914 Mo" (in Sweet Springs quadrangle)* -----	36 52 23.61	93 29 57.41	3,773

6. FROM KNOBOSTER EAST ALONG U.S. HIGHWAY 50 TO SEC. 23, T. 46 N.,  
R. 24 W., THENCE SOUTHEAST ALONG ROADS TO SEC. 19, T. 46 N.,  
R. 23 W. (by C. C. Huhn in 1934)

Knobnoster triangulation sta. (previously described) -----	38 46 35.58	93 33 07.12	.....
T. 46 N., R. 24 W., approximate cor. secs. 15, 16, 21, and 22 -----	38 46 07.4	93 33 21.8	3,090
Highway at walk S. -----	38 45 53.3	93 33 07.3	1,850
Highway at hedge fences N. and S. -----	38 45 52.4	93 32 34.0	2,638
Knobnoster, about 1.2 mi. E. of, in W $\frac{1}{2}$ sec. 23, T. 46 N., R. 24 W., 775 ft. S. of U.S. Highway 50, on land of Perry Davis, 3 ft. E. of hedge, in concrete post; standard tablet -----	38 45 43.34	93 32 00.40	2,988
Knobnoster, 1 mi. E. and 0.8 mi. S. from, 10 ft. S. and 20 ft. W. from W. sixteenth cor. between secs. 23 and 26, T. 46 N., R. 24 W., in con- crete post; standard tablet -----	38 45 11.87	93 32 02.74	3,190
T. 46 N., R. 24 W., cor. secs. 23, 24, 25, and 26 -----	38 45 10.4	93 31 12.5	3,980
Knobnoster, 3 mi. E., thence 0.8 mi. S. from, 25 ft. S. and 60 ft. E. from crossroads, on Johnson-Pettis county line, in concrete post; standard tablet -----	38 45 07.60	93 30 04.67	5,380
Knobnoster, 3.2 mi. E. and 0.8 mi. S. from, about 0.3 mi. E. of Johnson-Pettis county line, near stock scales, N. of rd., 3 ft. S. of fence, in concrete post; standard tablet stamped "T T 36 C 1936" (in Sweet Springs quadrangle)* -----	38 45 07.10	93 29 42.92	1,724

7. FROM HIGGINSVILLE QUADRANGLE AT SEC. 36, T. 49 N., R. 24 W., SOUTH  
AND EAST TO SEC. 1, T. 48 N., R. 24 W. (by W. V. Kennedy in 1934)  
(Continued from Higginsville quadrangle; see line 2.)

T. 49 N., R. 24 W., center sec. 36, rd. at fences E. and W. -----	38 59 39.0	93 30 11.0	(2,650)
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\*Published also in Sweet Springs quadrangle (see Bull. 916-G).

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Tps. 48 and 49 N., R. 24 W., quarter cor. between secs. 1 and 36, T-rd. E. -----	38 59 12.7	93 30 12.3	2,657
Prim Trav Sta No 17 1914 Mo (previously described)* -----	38 59 11.45	93 29 38.00	2,711

8. FROM HIGGINSVILLE QUADRANGLE AT SEC. 35, T. 49 N., R. 25 W., SOUTH TO  
SEC. 2, T. 48 N., R. 25 W. (by W. V. Kennedy in 1934)  
(Continued from Higginsville quadrangle; see line 3.)

T. 49 N., R. 25 W., center sec. 35, rd. at fence W. -----	38 59 54.3	93 38 11.4	(2,635)
T. 49 N., R. 25 W., S. sixteenth cor. sec. 35, rd. corner from N.-E. -----	38 59 41.3	93 38 11.7	1,310
Rd. at fences E. and W. on line between secs. 2 and 35, Tps. 48 and 49 N., R. 25 W. -----	38 59 27.7	93 37 55.8	1,861
Prim Trav Sta No 18 1914 Mo 766 (previously described) -----	38 59 15.43	93 38 13.80	1,886

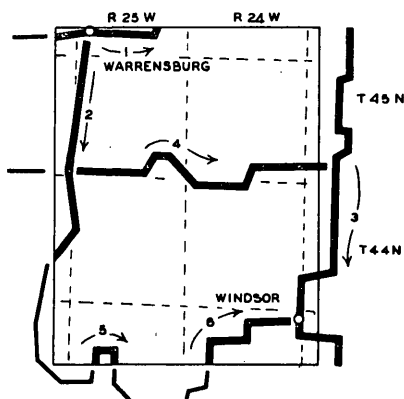
9. FROM HIGGINSVILLE QUADRANGLE SOUTH ALONG STATE HIGHWAY 13 TO SEC. 1,  
T. 48 N., R. 26 W., THENCE WEST ALONG ROADS INTO ODESSA QUADRANGLE  
AT SEC. 2, T. 48 N., R. 26 W. (by W. V. Kennedy in 1934)  
(Continued from Higginsville quadrangle; see line 6.)

T. 49 N., R. 26 W., S. cor. secs. 35 and 36, rd. at hedge fence N., 7 ft. E. of rd. at hedge fence S. at N. cor. secs. 1 and 2, T. 48 N., R. 26 W. -----	38 59 36.2	93 44 24.2	(3,056)
Tps. 48 and 49 N., R. 26 W., quarter cor. between secs. 2 and 35, rd. at fences N. and S. Prim Trav Sta No 19 1914 Mo (In Odessa quadrangle; see line 2.) -----	38 59 37.2	93 44 57.8	2,650
	38 59 38.21	93 45 31.21	2,641

Magnetic declination 7° 49' E.

WINDSOR QUADRANGLE  
(Latitude 38°30'-38°45'; longitude 93°30'-93°45')

Benton, Henry, Johnson, and Pettis Counties



1. FROM HOLDEN QUADRANGLE AT SEC. 35, T. 46 N., R. 26 W., EAST BY WAY OF  
WARRENSBURG INTO KNOBNOSTER QUADRANGLE AT SEC. 26, T. 46 N., R. 25 W.  
(by E. L. McNair in 1914)  
(Continued from Holden quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Short Line R.R. from Warrensburg to Pertle Springs at rd. crossing -----	38 44 46.0	93 44 58.8	(4,261)
T. 46 N., R. 26 W., cor. secs. 25, 26, 35, and 36, rd. at hedge N. and fence S. -----	38 44 45.4	93 44 45.0	1,094
Normal triangulation sta., U.S.C. & G.S. (In Knobnoster quadrangle; see line 3.) -----	38 45 33.13	93 44 16.47	5,339

\* Published also in Sweet Springs quadrangle (see Bull. 916-a).

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 46 N., R. 26 W., quarter cor. between secs. 25 and 36, T-rd. N. -----	38 44 44.2	93 44 10.6	4,969
T. 46 N., R. 25 W., W. cor. secs. 30 and 31, 40 ft. S. of T-rd. N. at E. cor. secs. 25 and 26, T. 46 N., R. 26 W. -----	38 44 42.8	93 43 37.0	2,659
T. 46 N., R. 25 W., cor. secs. 29, 30, 31, and 32, T-rd. S. -----	38 44 40.3	93 42 25.2	5,698
T. 46 N., R. 25 W., cor. secs. 28, 29, 32, and 33, rd. at fences N. and S. -----	38 44 38.1	93 41 22.0	5,007
Crossroads -----	38 44 37.6	93 41 04.4	1,402
T. 46 N., R. 25 W., cor. secs. 27, 28, 33, and 34, T-rd. S. at fence N. -----	38 44 36.4	93 40 11.1	4,220
T. 46 N., R. 25 W., cor. secs. 26, 27, 34, and 35, 15 ft. S. and 30 ft. W. from T-rd. N., 4 ft. N. of fence; iron post stamped "Prim Trav Sta No 14 1914 Mo" -----	38 44 34.49	93 39 04.78	5,258

(Continued in Knobnoster quadrangle; see line 3.)

## 2. FROM SEC. 36, T. 46 N., R. 26 W., SOUTH ALONG STATE HIGHWAY 13 INTO HOLDEN QUADRANGLE (by C. E. Wyrick in 1934)

T. 46 N., R. 26 W., quarter cor. between secs. 25 and 36, T-rd. N. (previously described) -----	38 44 44.2	93 44 10.6	.....
Center of culvert -----	38 44 25.6	93 43 54.8	2,259
Highway at fences E. and W. on line between secs. 1 and 36, Tps. 45 and 46 N., R. 26 W. ---	38 43 51.1	93 43 54.6	3,494
Junction of rd. E. -----	38 43 25.1	93 43 57.0	2,639
Highway at fences E. and W. on line between secs. 1 and 12, T. 45 N., R. 26 W. -----	38 42 58.9	93 43 59.8	2,660
Junction of rd. W. -----	38 42 45.6	93 44 00.5	1,342
Crossroad on line between secs. 12 and 13, T. 45 N., R. 26 W. -----	38 42 06.2	93 44 02.4	3,995
Crossroad on line between secs. 13 and 24, T. 45 N., R. 26 W. -----	38 41 13.7	93 44 05.0	5,317
Crossroad on line between secs. 24 and 25, T. 45 N., R. 26 W. -----	38 40 21.0	93 44 08.2	5,339
Junction of rd. E. -----	38 39 54.6	93 44 09.0	2,667
Junction of rd. E. on line between secs. 25 and 36, T. 45 N., R. 26 W. -----	38 39 28.4	93 44 10.1	2,657
Center of bridge -----	38 39 04.3	93 44 11.4	2,444
Cornelia, in SW 1/4 sec. 36, T. 45 N., R. 26 W., 36 ft. W. of State Highway 13, 28 ft. S. and 65 ft. E. from SE. corner of school, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T 272 C W A 1934" ---	38 38 33.69	93 44 21.43	3,197
Junction of rd. E. -----	38 37 35.7	93 44 22.9	3,871
Junction of rd. E. on line between secs. 1 and 12, T. 44 N., R. 26 W. -----	38 37 09.5	93 44 23.8	2,650
Junction of private rd. -----	38 36 47.6	93 44 26.1	2,219
Highway at fences E. and W. on line between secs. 12 and 13, T. 44 N., R. 26 W., 64 ft. N. of crossroad -----	38 36 17.8	93 44 25.6	3,018
Center of culvert -----	38 35 56.0	93 44 26.3	2,204
Crossroad on line between secs. 13 and 24, T. 44 N., R. 26 W. -----	38 35 25.3	93 44 45.2	3,454

(Continued in Holden quadrangle; see line 5.)

## 3. FROM SWEET SPRINGS QUADRANGLE AT SEC. 28, T. 46 N., R. 23 W., SOUTH INTO WARSAW NO. 2 QUADRANGLE AT SEC. 18, T. 43 N., R. 23 W., INCLUDING THAT PART OF THE LINE IN GREEN RIDGE QUADRANGLE (by C. C. Huhn and W. A. Wheeler in 1934)\*

Knobnoster, 5 mi. E. and 1.2 mi. S. from, N. sixteenth cor. between secs. 28 and 29, T. 46 N., R. 23 W., 50 ft. N. of N. line of dwelling of T. H. Bradshaw, W. of rd., 14 ft. S. and 2 ft. E. from end of hedge fence, in concrete post; standard tablet -----	38 44 44.56	93 27 54.86	(1,730)
Rd. in line with row of maple trees from E.-W., 27 ft. N. of N. line of dwelling of E. B. Allen	38 44 27.6	93 27 55.5	1,720
T. 46 N., R. 23 W., quarter cor. between secs. 32 and 33 -----	38 43 43.7	93 27 54.3	4,450
Knobnoster, 5 mi. E. and 3 mi. S. from, near cor. secs. 4, 5, 32, and 33, Tps. 45 and 46 N., R. 23 W., in concrete post; standard tablet ---	38 43 18.00	93 28 00.81	2,650
Knobnoster, 5 mi. E. and 3.3 mi. S. from, about 0.3 mi. S. of cor. secs. 4, 5, 32, and 33, Tps. 45 and 46 N., R. 23 W., 20 ft. W. of rd., in concrete post; standard tablet -----	38 43 03.39	93 28 02.00	1,480
T-rd. N. -----	38 42 46.3	93 28 03.0	1,728

\*Published also as line 2 of Green Ridge quadrangle (see Bull. 916-G).

Station	Latitude	Longitude	Distance
Rd. at fences N. and S. -----	38 42 41.1	93 28 36.6	2,716
T. 45 N., R. 23 W., W. sixteenth cor. between secs. 5 and 8, T-rd. W. -----	38 42 28.5	93 28 54.4	1,903
T. 45 N., R. 23 W., cor. secs. 5, 6, 7, and 8 ---	38 42 29.3	93 29 11.0	1,516
T. 45 N., R. 23 W., quarter cor. between secs. 6 and 7, T-rd. S. -----	38 42 30.5	93 29 44.1	2,632
T. 45 N., R. 23 W., center sec. 7, T-rd. E. -----	38 42 04.4	93 29 46.1	2,642
T. 45 N., R. 23 W., quarter cor. between secs. 7 and 18, 37 ft. S. and 25 ft. E. from rd. junction, in concrete post; standard tablet ---	38 41 37.59	93 29 48.45	2,719
T. 45 N., R. 23 W., quarter cor. between secs. 18 and 19, crossroads -----	38 40 45.6	93 29 51.5	5,266
T. 45 N., R. 23 W., center sec. 19, T-rd. -----	38 40 19.2	93 29 53.0	2,669
T. 45 N., R. 23 W., quarter cor. between secs. 19 and 20, stone -----	36 40 17.8	93 29 19.4	2,670
T. 45 N., R. 23 W., E. sixteenth cor. sec. 20, 9 ft. S. and 26 ft. E. from T-rd. W., in concrete post; standard tablet stamped "T T 1562 C W A 1934" -----	38 40 15.81	93 28 28.86	4,014
T. 45 N., R. 23 W., E. sixteenth cor. between secs. 20 and 29, T-rd. -----	38 39 49.9	93 28 31.3	2,632
T. 45 N., R. 23 W., E. sixteenth cor. sec. 29, 45 ft. S. and 39 ft. E. from T-rd. E., in NW. corner of yard of Hickory Point School, in concrete post; standard tablet stamped "T T 1561 C W A 1934" -----	36 39 23.08	93 28 32.52	2,713
T. 45 N., R. 23 W., center of SE 1/4 sec. 29, T-rd. -----	38 39 10.5	93 28 33.7	1,273
T. 45 N., R. 23 W., center of SW 1/4 sec. 29, stone -----	38 39 11.7	93 29 07.2	2,663
T-rd., 20 ft. N. of W. sixteenth cor. between secs. 29 and 32, T. 45 N., R. 23 W. -----	38 38 58.5	93 29 07.9	1,339
T. 45 N., R. 23 W., W. sixteenth cor. sec. 32, . T-rd. -----	38 38 32.2	93 29 09.3	2,659
T. 45 N., R. 23 W., about 0.2 mi. E. of S. cor. secs. 31 and 32, 25 ft. N. and 40 ft. W. from T-rd. N., in concrete post; standard tablet stamped "T T 1560 C W A 1934" -----	38 38 06.23	93 29 11.35	2,635
Rd. at hedge fences E. and W. -----	38 37 41.5	93 29 20.9	2,616
T-rd. -----	38 37 15.4	93 29 22.1	2,645
T-rd. -----	38 37 02.4	93 29 22.9	1,320
T. 44 N., R. 23 W., in NE 1/4 sec. 7, in yard of Hope Dale School, 10 ft. E. of well, in concrete post; standard tablet stamped "T T 1559 C W A 1934" -----	38 36 33.16	93 29 24.61	2,956
T. 44 N., R. 23 W., approximate cor. secs. 7, 8, 17, and 18, rd. at fences E. and W. -----	38 35 57.0	93 29 25.8	3,660
Center of bridge -----	38 35 41.5	93 29 26.4	1,566
T. 44 N., R. 23 W., cor. secs. 17, 18, 19, and 20, T-rd. -----	38 35 04.8	93 29 27.9	3,718
Missouri-Kansas-Texas R.R. at rd. crossing -----	38 34 51.6	93 29 28.5	1,339
T. 44 N., R. 23 W., cor. secs. 19, 20, 29, and 30, 100 ft. S. and 25 ft. W. from rd. inter- section, W. of rd., at S. right-of-way fence of Missouri-Kansas-Texas R.R., in concrete post; standard tablet stamped "T T 1558 C W A 1934" -----	38 34 11.76	93 29 30.42	4,032
T. 44 N., R. 23 W., quarter cor. between secs. 29 and 30, rd. at fences E. and W. -----	38 33 46.5	93 29 31.3	2,558
T. 44 N., R. 23 W., cor. secs. 29, 30, 31, and 32, crossroads -----	38 33 20.4	93 29 32.5	2,636
T. 44 N., R. 23 W., near line between secs. 30 and 31, about 0.2 mi. E. of Johnson-Pettis county line, E. of Missouri-Kansas-Texas R.R., 40 ft. S. of rd., in concrete post; standard tablet stamped "T T 1557 C W A 1934" -----	38 33 20.10	93 30 22.83	4,000
T. 44 N., R. 23 W., W. cor. secs. 30 and 31, T-rd. on Johnson-Pettis county line -----	38 33 20.9	93 30 39.1	1,291
Missouri-Kansas-Texas R.R. at rd. crossing -----	38 32 55.8	93 30 40.8	2,542
Windsor, rd. at SE cor. sec. 36, T. 44 N., R. 24 W. -----	38 32 30.0	93 30 40.8	2,615
Windsor, at NE limits of, 63 ft. S. and 25 ft. E. from State Highway 52 at Henry-Pettis county line, on S. line of right-of-way, in concrete post; standard tablet stamped "T T 1556 C W A 1934" -----	38 32 16.41	93 30 41.22	1,371
Chicago, Rock Island & Pacific Ry. at crossing of State Highway 52 -----	38 32 08.4	93 30 58.9	1,623
Windsor, 36 ft. S. and 28 ft. E. from inter- section of Florence and Main Streets, in concrete post; standard tablet stamped "T T 1555 C W A 1934" -----	38 31 58.82	93 31 14.22	1,554
Windsor, center of water tower -----	38 31 55.9	93 31 14.8	297
Windsor, intersection of Florence and Jackson Streets -----	38 31 38.0	93 30 49.7	2,700

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 43 N., R. 24 W., E. quarter cor. sec. 12, rd. at fence W. -----	38 31 11.6	93 30 44.2	2,705
T-rd. E. at approximate corner of Benton, Henry, and Pettis Counties -----	38 30 44.9	93 30 45.3	2,700
T. 43 N., R. 23 W., quarter cor. between secs. 7 and 18, rd. at hedge fence S. -----	38 30 44.2	93 30 12.2	2,639
T. 43 N., R. 23 W., E. sixteenth cor. between secs. 7 and 18, 37 ft. S. and 47 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 256 C W A 1934" -----	38 30 43.43	93 29 56.12	1,277
T. 43 N., R. 23 W., E. sixteenth cor. sec. 18, rd. at fence E. -----	38 30 17.6	93 29 56.4	2,616

4. FROM CORNELIA EAST TO SEC. 32, T. 45 N., R. 23 W. (by G. E. Gregory and  
J. P. Anderson in 1934)

T T 272 C W A 1934 (previously described) -----	38 38 33.69	93 44 21.43	.....
Center of bridge -----	38 38 35.0	93 43 27.8	4,255
T. 45 N., R. 25 W., S. cor. secs. 31 and 32, T-rd. N. -----	38 38 34.1	93 42 49.1	3,080
T-rd. N. -----	38 38 33.3	93 42 15.4	2,670
Center of culvert -----	38 38 32.3	93 41 32.4	3,410
T-rd. S. -----	38 38 31.9	93 41 15.2	1,370
T-rd. N. -----	38 38 31.3	93 40 51.7	1,860
T. 44 N., R. 25 W., N. cor. secs. 3 and 4, 38 ft. S. and 69 ft. E. from, 76 ft. N. and 15 ft. E. from NW. corner of dwelling, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 271 C W A 1934" --	38 38 30.04	93 40 23.79	2,220
Rd. at fences E. and W. -----	38 38 55.3	93 39 42.9	4,130
Crossroads -----	38 39 21.3	93 39 41.4	2,630
N. end of bridge -----	38 39 15.6	93 39 06.8	2,810
Rd. at fences E. and W. -----	38 38 53.9	93 38 52.6	2,460
Rd. at fence S. -----	38 38 40.4	93 38 29.6	2,290
T. 44 N., R. 25 W., N. cor. secs. 1 and 2, 25 ft. S. and 45 ft. W. from, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 273 C W A 1934" -----	38 38 26.49	93 38 11.52	2,005
Rd. at fences N. and S. -----	38 38 24.2	93 36 56.9	5,930
Rd. at fence E. -----	38 38 05.4	93 36 15.7	3,780
T-rd. E. -----	38 37 41.6	93 36 16.6	2,410
T. 44 N., R. 24 W., in NW 1/4 sec. 5, 22 ft. S. and 44 ft. E. from rd. fork N., on land of L. A. Corson, in concrete post; standard tablet stamped "T T 275 C W A 1934" -----	38 37 51.11	93 35 42.45	2,880
Rd. corner from W.-N. -----	38 37 48.4	93 33 57.0	8,370
Rd. at fence W. -----	38 38 29.0	93 33 53.5	4,110
T. 45 N., R. 24 W., N. sixteenth cor. between secs. 33 and 34, 21 ft. W. of T-rd. E., in concrete post; standard tablet stamped "T T 276 C W A 1934" -----	38 38 56.28	93 33 51.97	2,765
T-rd. N. -----	38 38 55.0	93 33 18.2	2,680
Big Muddy Creek, center of bridge over -----	38 38 49.7	93 32 51.7	2,170
Rd. at fences N. and S. -----	38 38 52.4	93 32 11.5	3,200
Owsley, in NE 1/4 sec. 36, T. 45 N., R. 24 W., about 0.2 mi. W. of Johnson-Pettis county line, 500 ft. E. of store, 22 ft. S. and 60 ft. W. from T-rd. S., on land of M. D. Muir, in concrete post; standard tablet stamped "T T 274 C W A 1934" -----	38 38 42.49	93 30 49.68	6,570
T-rd. S. -----	38 38 34.3	93 30 01.3	3,930
T T 1560 C W A 1934 (previously described)* -----	38 38 06.23	93 29 11.35	4,875

5. FROM CALHOUN QUADRANGLE AT SEC. 20, T. 43 N., R. 25 W., EAST INTO  
CALHOUN QUADRANGLE AT SEC. 21, T. 43 N., R. 25 W. (by S. T. Tudor  
in 1934)

(Continued from Calhoun quadrangle; see line 1.)

T-rd. W. -----	38 30 01.7	93 41 51.7	(3,960)
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(Continued in Calhoun quadrangle; see line 1.)

6. FROM CALHOUN QUADRANGLE AT SEC. 19, T. 43 N., R. 24 W., NORTH AND EAST  
TO WINDSOR (by S. T. Tudor in 1934)

(Continued from Calhoun quadrangle; see line 1.)

Rd. corner from W.-N. -----	38 30 02.4	93 36 52.0	(3,333)
T. 43 N., R. 24 W., S. sixteenth cor. sec. 7, 26 ft. S. end 24 ft. E. from T-rd. S., in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 31 07.46	93 36 56.37	6,597

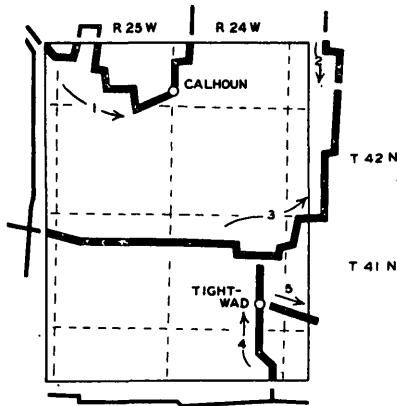
\*Published also in Green Ridge quadrangle (see Bull. 916-G).

Station	Latitude	Longitude	Distance
T-rd. N. -----	38 31 07.1	93 36 32.5	Feet 1,899
T. 43 N., R. 24 W., S. sixteenth cor. between secs. 8 and 9, rd. at fences N. and S. -----	38 31 05.0	93 35 10.8	6,498
T-rd. W. -----	38 31 04.6	93 34 53.1	1,405
T. 43 N., R. 24 W., quarter cor. between secs. 4 and 9, 25 ft. N. and 140 ft. E. from cross- roads, 5 ft. N. and 12 ft. E. from fence corner, in concrete post; standard tablet stamped "286 C W A 1934" -----	38 31 43.53	93 34 34.71	4,205
T. 43 N., R. 24 W., cor. secs. 3, 4, 9, and 10, rd. at fences N. and S. -----	38 31 42.4	93 34 01.7	2,624
T. 43 N., R. 24 W., quarter cor. between secs. 3 and 10, rd. at fences N. and S. -----	38 31 41.7	93 33 28.2	2,662
Missouri-Kansas-Texas R.R. at rd. crossing -----	38 31 51.1	93 31 46.2	8,166
T T 1555 C W A 1934 (previously described) -----	38 31 58.82	93 31 14.22	2,657

Magnetic declination 7° 45' E.

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

Benton and Henry Counties



1. FROM HOLDEN QUADRANGLE AT SEC. 23, T. 43 N., R. 26 W., EAST AND NORTH  
INTO WINDSOR QUADRANGLE AT SEC. 19, T. 43 N., R. 24 W. (by S. T. Tudor  
in 1934)

(Continued from Holden quadrangle; see line 3.)

Station	Latitude	Longitude	Distance
T. 43 N., R. 26 W., E. sixteenth cor. sec. 24, rd. at fences N. and S. -----	38 29 44.9	93 44 22.3	(4,932)
T. 43 N., R. 26 W., E. quarter cor. sec. 24, T-rd. S. -----	38 29 44.6	93 44 05.3	1,354
T-rd. E. -----	38 29 30.0	93 43 16.0	4,183
T. 43 N., R. 25 W., in NW 1/4 sec. 20, about 400 ft. S. of T-rd. E., 30 ft. E. of rd., 12 ft. NE. of fence corner, in concrete post; standard tablet stamped "T T 219 C W A 1934" -----	38 29 58.68	93 42 41.32	4,007

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

T-rd. N. -----	38 29 41.6	93 40 59.7	(4,604)
T. 43 N., R. 25 W., cor. secs. 21, 22, 27; and 28, 44 ft. N. and 30 ft. E. from, 30 ft. NE. of rd. corner from E.-N., in concrete post; standard tablet stamped "T T 211 C W A 1934" -----	38 29 15.26	93 40 46.22	2,874
T. 43 N., R. 25 W., E. sixteenth cor. between secs. 22 and 27, T-rd. S. -----	38 29 14.4	93 39 56.7	3,942
T. 43 N., R. 25 W., E. sixteenth cor. sec. 27, T-rd. N. -----	38 28 48.2	93 39 57.6	2,644
Center of bridge -----	38 28 26.6	93 39 41.8	2,528
T. 43 N., R. 25 W., quarter cor. between secs. 34 and 35, rd. corner from N.-W. -----	38 27 55.6	93 39 42.9	3,130
T-rd. N. -----	38 27 42.8	93 39 51.7	1,470

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Calhoun, about 1 mi. W. of, in SE 1/4 sec. 35, T. 43 N., R. 25 W., 160 ft. NE. of Missouri- Kansas-Texas R.R. at rd. crossing, 15 ft. W. of right-of-way fence, in concrete post; standard tablet stamped "T 215 C W A 1934" --	38 27 35.45	93 38 54.13	4,639
Center of State Highway 52 bridge -----	38 28 00.7	93 37 47.3	5,899
Missouri-Kansas-Texas R.R. at rd. crossing -----	38 28 02.8	93 37 46.3	231
T. 43 N., R. 25 W., quarter cor. between secs. 25 and 36, T-rd. N. -----	38 28 19.7	93 38 02.2	2,127
T-rd. W. -----	38 28 50.2	93 38 02.1	3,090
Calhoun, 1.8 mi. N. and 0.5 mi. W. from, N. sixteenth cor. sec. 24, T. 43 N., R. 25 W., 28 ft. N. and 25 ft. E. from T-rd. E. 14 ft. N. and 2 ft. E. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 29 49.49	93 37 58.65	5,998
T. 43 N., R. 25 W., N. sixteenth cor. on E. line sec. 24, rd. corner from W.-S. -----	38 29 48.4	93 37 25.6	2,634
T-rd. S. -----	38 29 36.9	93 37 18.6	1,293

(Continued in Windsor quadrangle; see line 6.)

2. FROM GREEN RIDGE QUADRANGLE AT SEC. 18, T. 43 N., R. 23 W., SOUTHEAST TO  
SEC. 20, T. 43 N., R. 23 W.  
(by W. A. Wheeler in 1934)\*

Rd. at hedge fence E. on line between secs. 18 and 19, T. 43 N., R. 23 W. -----	38 29 51.6	93 29 57.5	(2,631)
T-rd. N. -----	38 29 25.5	93 29 58.6	2,639
T. 43 N., R. 23 W., center sec. 20, rd. at fences N. and S. -----	38 29 24.3	93 29 08.9	3,962
T. 43 N., R. 23 W., quarter cor. between secs. 20 and 21, T-rd. W. -----	38 29 23.6	93 28 35.4	2,661
T. 43 N., R. 23 W., cor. secs. 20, 21, 28, and 29, 22 ft. S. and 25 ft. W. from T-rd. E., in concrete post; standard tablet stamped "255 C W A 1934" -----	38 28 57.18	93 28 36.98	2,671

3. FROM CLINTON QUADRANGLE AT CLINTON EAST ALONG COUNTY ROUTE A TO  
SEC. 6, T. 41 N., R. 24 W., THENCE EAST ALONG ROADS TO SEC. 6,  
T. 41 N., R. 23 W., THENCE NORTH TO SEC. 20, T. 43 N., R. 23 W.,  
INCLUDING THAT PART OF THE LINE IN LINCOLN QUADRANGLE  
(by C. D. Craig in 1934)  
(Continued from Clinton quadrangle; see line 3.)\*

T. 41 N., R. 26 W., quarter cor. between secs. 1 and 12, crossroad -----	38 21 57.9	93 44 49.1	(3,540)
Junction of rd. N. -----	38 21 56.3	93 44 05.9	3,449
Junction of rd. N. -----	38 21 55.4	93 43 25.1	3,250
T. 41 N., R. 25 W., cor. secs. 5, 6, 7, and 8, junction of rd. N. -----	38 21 55.0	93 43 08.3	1,341
Clinton, 3.3 mi. E. of, W. sixteenth cor. between secs. 5 and 8, T. 41 N., R. 25 W., 28 ft. N. of junction of rd. S., in concrete post; standard tablet stamped "T 645 C W A 1934" -----	38 21 54.74	93 42 51.61	1,329
Highway at fences N. and S. -----	38 21 53.5	93 42 18.3	2,659
Junction of rd. S. at fence N. -----	38 21 52.3	93 41 44.9	2,660
T. 41 N., R. 25 W., quarter cor. between secs. 4 and 9, highway at fences N. and S. -----	38 21 52.0	93 41 28.3	1,325
T. 41 N., R. 25 W., cor. secs. 3, 4, 9, and 10, highway at hedge fences N. and S. -----	38 21 51.2	93 40 55.1	2,645
Highway at fences N. and S. -----	38 21 50.8	93 40 38.7	1,310
Clinton, 5.8 mi. E. of, E. sixteenth cor. between secs. 3 and 10, T. 41 N., R. 25 W., 27 ft. S. and 43 ft. E. from crossroad, in concrete post; standard tablet stamped "T 646 C W A 1934" --	38 21 49.57	93 40 05.46	2,649
Highway at hedge fences N. and S. -----	38 21 48.9	93 39 32.6	2,620
Crossroad -----	38 21 48.0	93 38 59.1	2,671
T. 41 N., R. 25 W., cor. secs. 1, 2, 11, and 12, highway at fences N. and S. -----	38 21 47.5	93 38 42.4	1,330
T. 41 N., R. 25 W., quarter cor. between secs. 1 and 12, highway at hedge fences N. and S. -----	38 21 46.6	93 38 09.0	2,660
T. 41 N., R. 24 and 25 W., cor. secs. 1, 6, 7, and 12, highway at hedge fence N. and old abandoned rd. S. -----	38 21 45.6	93 37 35.4	2,680
Coal, 2.5 mi. N. of, E. sixteenth cor. between secs. 6 and 7, T. 41 N., R. 24 W., 30 ft. S. and 90 ft. W. from highway corner from W.-S. at rds. N. and E., in concrete post; standard tablet stamped "T 647 C W A 1934" -----	38 21 43.82	93 36 48.11	3,775
T. 41 N., R. 24 W., quarter cor. between secs. 5 and 8, crossroads at Hortense -----	38 21 42.9	93 35 57.2	4,458

\*Published also as a portion of line 3 of the Lincoln quadrangle (see Bull. 916-G).

\*\*Line 6 of Lincoln quadrangle includes a portion of this line (see Bull. 916-G).

Station	Latitude	Longitude	Distance
Rd. at fences N. and S. -----	38 21 42.4	93 35 40.8	Feet
T-rd. S. -----	38 21 41.2	93 34 51.3	1,310
T. 41 N., R. 24 W., cor. secs. 3, 4, 9, and 10, 30 ft. N. and 25 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T 648 C W A 1934" -----	38 21 40.91	93 34 18.53	2,612
Rd. corner from W.-S. at fence N. -----	38 21 26.7	93 34 02.2	1,943
Center of triangle formed by rd. forks -----	38 21 11.3	93 33 41.1	2,291
T. 41 N., R. 24 W., cor. secs. 10, 11, 14, and 15, stone at T-rd. S. -----	38 20 46.3	93 33 14.4	3,303
Leesville, 0.2 mi. S. of, quarter cor. between secs. 11 and 14, T. 41 N., R. 24 W., 7 ft. S. and 25 ft. E. from T-rd. W., in concrete post; standard tablet stamped "T T 649 C W A 1934" -----	38 20 45.13	93 32 40.46	2,710
Rd. forks E. and NE. -----	38 20 57.0	93 31 57.7	3,615
Big Tabo Creek, center of bridge over -----	38 21 09.8	93 31 35.2	2,207
T. 41 N., R. 24 W., E. cor. secs. 1 and 12, iron stake at rd. W., 100 ft. S. of rd. E. at approximate W. cor. secs. 6 and 7, T. 41 N., R. 23 W. -----	38 21 34.8	93 30 58.4	3,881
T. 41 N., R. 23 W., quarter cor. between secs. 6 and 7, wagon thimble in rd. at fences N. and S. -----	38 21 34.8	93 30 22.8	2,832
T. 41 N., R. 23 W., in SE 1/4 sec. 6, 15 ft. N. and 235 ft. W. from T-rd. N., in concrete post; standard tablet stamped "T T 650 C W A 1934" -----	38 21 34.51	92 30 09.16	1,090
Rd. at fences E. and W. -----	38 22 00.5	93 30 07.2	2,639
Tps. 41 and 42 N., R. 23 W., approximate cor. secs. 5, 6, 31, and 32, rd. at fence N. -----	38 22 25.3	93 29 48.2	2,935
T. 42 N., R. 23 W., S. quarter cor. sec. 32, T-rd. N. -----	38 22 24.6	93 29 15.0	2,650
Rd. at fence E. -----	38 22 50.7	93 29 15.5	2,644
Lincoln, 8.5 mi. W. of, quarter cor. between secs. 29 and 32, T. 42 N., R. 23 W., 30 ft. S. and 40 ft. E. from crossroad, in concrete post; standard tablet stamped "T T 651 C W A 1934" -----	38 23 16.41	93 29 11.46	2,611
T. 42 N., R. 23 W., center sec. 29, T-rd. W. at fence E. -----	38 23 43.1	93 29 10.5	2,699
T. 42 N., R. 23 W., quarter cor. between secs. 20 and 29, rd. at fence W. -----	38 24 09.2	93 29 08.9	2,640
T. 42 N., R. 23 W., center sec. 20, rd. at hedge fence E. -----	38 24 35.6	93 29 07.5	2,679
Rd. at fence W. -----	38 25 03.9	93 29 06.0	2,860
Rd. corner at fence N. -----	38 25 20.8	93 29 05.0	1,712
T-rd. W. -----	38 25 26.8	93 28 30.9	2,780
Santiago, 0.5 mi. N. and 1 mi. W. from, cor. secs. 8, 9, 16, and 17, T. 42 N., R. 23 W., 19 ft. N. and 27 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 652 C W A 1934" -----	38 25 53.21	93 28 29.07	2,672
Rd. at fence E. -----	38 26 21.8	93 28 27.8	2,894
T. 42 N., R. 23 W., cor. secs. 4, 5, 8, and 9, rd. at hedge fence E. -----	38 26 45.6	93 28 26.5	2,410
T. 42 N., R. 23 W., N. cor. secs. 4 and 5, rd. corner at hedge fence N. -----	38 27 12.8	93 28 25.0	2,752
T. 43 N., R. 23 W., S. cor. secs. 32 and 33, hedge-fence corner -----	38 27 13.1	93 28 41.5	1,315
Rd. at hedge fence W. -----	38 27 39.6	93 28 56.0	2,913
T-rd. S. -----	38 28 05.7	93 28 55.7	2,638
T. 43 N., R. 23 W., cor. secs. 28, 29, 32, and 33, T-rd. N. -----	38 28 05.2	93 28 38.9	1,343
Rd. at fences E. and W. -----	38 28 31.3	93 28 38.0	2,645
255 C W A 1934 (previously described) -----	38 28 57.18	93 28 36.98	2,616

4. FROM LOWRY CITY QUADRANGLE AT SEC. 13, T. 40 N., R. 24 W., NORTH TO  
SEC. 14, T. 41 N., R. 24 W. (by C. D. Craig in 1934)  
(Continued from Lowry City quadrangle; see line 5.)

Rd. at fence E. along S. side of ungraded rd. ---	38 15 17.1	93 32 09.2	(3,997)
Rd. forks -----	38 15 45.9	93 32 05.9	2,954
Fence corner at triangular-blazed 18-in. elm tree -----	38 15 57.5	93 32 20.3	1,761
Tightwad, 2.5 mi. S. of, quarter cor. between secs. 2 and 11, T. 40 N., R. 24 W., 5 ft. N. and 30 ft. W. from rd. at fence E., 25 ft. N. and 5 ft. W. from triangular-blazed 36-in. black-oak tree, in concrete post; standard tablet stamped "T T 654 C W A 1934" -----	38 16 23.34	93 32 52.63	3,669
T. 40 N., R. 24 W., center sec. 2, rd. at rail fence E. -----	38 16 49.5	93 32 50.6	2,653
Rd. at fence E. -----	38 17 19.9	93 32 50.4	3,073
Rd. at fence W. -----	38 17 42.3	93 32 49.5	2,275
T. 41 N., R. 24 W., quarter cor. between secs. 26 and 35, T-rd. W. -----	38 18 08.4	93 32 48.4	2,637



Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Tightwad, center sec. 26, T. 41 N., R. 24 W., 195 ft. N. and 30 ft. W. from County Route A (now State Highway 35) at crossroad, in schoolyard, in concrete post; standard tablet stamped "T T 653 C W A 1934" -----	38 18 36.48	93 32 47.26	2,847
T. 41 N., R. 24 W., quarter cor. between secs. 23 and 26, T-rd. E. and lane W. -----	38 19 00.7	93 32 45.8	2,455
T-rd. E. -----	38 19 23.5	93 32 44.6	2,350
T. 41 N., R. 24 W., quarter cor. between secs. 14 and 23, rd. corner from S.-W. and abandoned rd. E. -----	38 19 53.0	93 32 43.1	2,990
Rd. at Texas Empire pipe line -----	38 20 12.3	93 32 50.8	2,043
T. 41 N., R. 24 W., center sec. 14, T-rd. E. ----	38 20 22.6	93 32 42.2	1,246
T T 649 C W A 1934 (previously described) -----	38 20 45.13	93 32 40.46	2,285

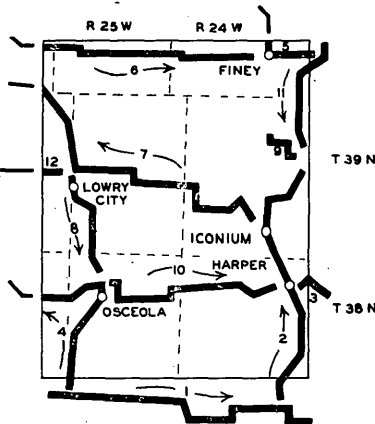
5. FROM TIGHTWAD EAST ALONG STATE HIGHWAY 35 TO SEC. 32, T. 41 N., R. 23 W.  
(by J. W. Fothergill in 1935)

T T 653 C W A 1934 (previously described) -----	38 18 36.48	93 32 47.26	.....
Crossroad -----	38 18 26.5	93 32 44.0	2,835
Junction of rd. S. -----	38 18 19.9	93 31 41.2	2,699
Highway at Benton-Henry county line about 15 ft. S. of stone in line with fence N. on W. side of rd. S. at S. sixteenth cor. on E. line sec. 25, T. 41 N., R. 24 W. -----	38 18 18.5	93 31 08.1	2,645
Crossroad on approximate line between secs. 30 and 31, T. 41 N., R. 23 W. -----	38 18 05.2	93 30 51.1	1,909
Crossroad -----	38 17 51.7	93 30 35.9	1,829
Junction of rd. S. on approximate line between secs. 31 and 32, T. 41 N., R. 23 W. -----	38 17 46.2	93 30 03.5	2,645
Highway at fences N. and S. at E. edge of church grounds (in Lincoln quadrangle) -----	38 17 44.9	93 29 46.8	1,341

Magnetic declination 7° 40' E.

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

Benton, Henry, Hickory, and St. Clair Counties



1. FROM SEC. 12, T. 37 N., R. 26 W., NORTHEAST ALONG STATE HIGHWAY 82 TO  
SEC. 1, T. 37 N., R. 26 W.. THENCE EAST ALONG ROADS TO SEC. 18,  
T. 37 N., R. 23 W. (by W. R. Broadus in 1933)\*\*

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Rd. junction -----	37 59 16.4	93 44 46.2	(2,536)
T. 37 N., R. 26 W., near center of SE 1/4 sec. 1, on State Highway 82, 3 ft. N. and 45 ft. E. from N. end of bridge over Sac River, 110 ft. S. and 45 ft. E. from junction of rd. E., in limestone ledge; standard tablet stamped "T T 64 B 1933" -----	37 59 46.16	93 44 01.26	4,687

\*Published in line 9 of the Lincoln quadrangle (see Bull. 916-G).

\*\*Published also as line 1 of the Humansville quadrangle (see Bull. 916-E).

Station	Latitude			Longitude			Distance Feet
	°	'	"	°	'	"	
Rd. at fences N. and S. -----	37	59	47.0	93	43	16.0	3,621
Rd. at fence N. -----	37	59	41.8	93	42	57.0	1,611
Rd. in front of dwelling N. of rd. -----	37	59	41.6	93	42	48.3	700
Bradford School, about 0.5 mi. N. of, quarter cor. between secs. 5 and 8, T. 37 N., R. 25 W., 22 ft. S. and 33 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 65 B 1933" -----	37	59	27.73	93	42	14.58	3,038
T-rd. N. -----	37	59	27.1	93	41	27.4	3,775
T. 37 N., R. 25 W., quarter cor. between secs. 4 and 9, T-rd. S. -----	37	59	26.6	93	41	07.6	1,590
Vista, State Highway 13 at main street intersection -----	37	59	19.3	93	39	53.8	5,956
Vista, crossroads at NE. limits of -----	37	59	24.5	93	39	44.4	914
T. 37 N., R. 25 W., cor. secs. 2, 3, 10, and 11, rd. at fences N. and S. -----	37	59	24.2	93	39	27.4	1,360
Vista, 0.5 mi. E. of, 590 ft. E. of cor. secs. 2, 3, 10, and 11, T. 37 N., R. 25 W., 200 ft. W. of crossing of old St. Louis-San Francisco Ry. grade, 35 ft. N. of rd., 17 ft. N. of fence, 40 ft. NW. of 12-in. cedar tree, in ledge; standard tablet stamped "T T 87 B 1933 868" --	37	59	24.31	93	39	20.02	594
Rd. at crossing of small creek -----	37	59	21.7	93	37	48.1	7,361
Crossroads (?) -----	37	59	19.7	93	36	56.0	5,774
Center of bridge over creek -----	37	59	07.5	93	36	37.2	1,236
Gerster, 3 mi. NW. of, in SE 1/4 sec. 7, T. 37 N., R. 24 W., 0.3 mi. SE. of Weaubleau River, in front of farmhouse of J. F. Miller, 40 ft. W. of rd., 4 ft. N. of gate, in concrete post; standard tablet stamped "T T 88 B 1933" -	37	58	52.70	93	36	35.15	1,502
Rd. forks -----	37	58	35.2	93	36	19.0	2,194
Rd. forks -----	37	57	59.6	93	35	33.5	5,119
Rd. forks at Crossroads School -----	37	57	49.1	93	35	23.2	1,343
Rd. at fences E. and W. on line between secs. 17 and 20, T. 37 N., R. 24 W. -----	37	57	32.7	93	35	21.2	1,662
Rd. at fences N. and S. on line between secs. 20 and 21, T. 37 N., R. 24 W. -----	37	57	26.2	93	34	59.6	1,853
Gerster, about 0.2 mi. N. of business district, 30 ft. S. and 35 ft. W. from junction of rd. S., 25 ft. N. and 15 ft. E. from NE. corner of Baptist Church, in concrete post; standard tablet stamped "T T 69 B 1933 859" -----	37	57	23.15	93	34	33.79	2,091
T. 37 N., R. 24 W., cor. secs. 15, 16, 21, and 22, stone in center of rd. corner -----	37	57	29.4	93	33	52.8	3,340
Rd. corner -----	37	57	47.6	93	33	19.2	3,263
T. 37 N., R. 24 W., center sec. 15, rd. at fence E. -----	37	57	54.6	93	33	18.8	711
T-rd. E., 275 ft. S. of quarter cor. between secs. 10 and 15, T. 37 N., R. 24 W. -----	37	58	18.0	93	33	17.7	2,370
Junction of private rd. S. -----	37	58	20.5	93	33	01.2	1,345
T-rd. S. -----	37	58	33.1	93	32	52.6	1,450
T. 37 N., R. 24 W., center of SW 1/4 sec. 11, T-rd. N. -----	37	58	32.6	93	32	27.6	1,996
T. 37 N., R. 24 W., center of SE 1/4 sec. 11, 120 ft. S. and 20 ft. W. from rd. corner, in line with S. face of Kings Prairie School, in concrete post; standard tablet stamped "T T 90 B 1933 960" -----	37	58	30.72	93	31	54.93	2,626
T-rd. E. -----	37	58	14.5	93	31	55.6	1,640
T. 37 N., R. 24 W., cor. secs. 11, 12, 13, and 14, pile of rocks at T-fence E. -----	37	58	18.5	93	31	39.4	1,361
Intersection of tangents at rd. corner -----	37	58	05.6	93	31	39.6	1,310
Intersection of tangents at rd. corner -----	37	58	04.5	93	31	06.7	2,642
T. 37 N., R. 24 W., center sec. 13, rd. corner --	37	57	53.6	93	31	07.0	1,108
Crossroads -----	37	57	38.0	93	30	51.8	1,991
T. 37 N., Rs. 23 and 24 W., approximate S. sixteenth cor. between secs. 13 and 18, rd. at fences N. and S. -----	37	57	37.6	93	30	35.2	1,324
T-rd. S., 35 ft. E. of T-rd. N. -----	37	57	36.8	93	30	05.8	2,360

2. FROM SEC. 11, T. 37 N., R. 24 W., NORTH BY WAY OF HARPER AND ICONIUM  
TO SEC. 1, T. 39 N., R. 24 W., INCLUDING THAT PART OF THE LINE IN  
HUMANSVILLE QUADRANGLE (by J. P. Anderson in 1934)

T T 90 B 1933 960 (previously described)* -----	37	58	30.72	93	31	54.93	.....
T. 36 N., R. 24 W., 340 ft. E. of E. sixteenth cor. sec. 35, on property of G. H. Wheeler, 150 ft. E. of wire gate, 1 ft. E. of fence, in concrete post; standard tablet stamped "9 L 1936" -----	38	00	30.04	93	31	46.40	12,089
Prairie Grove School, 0.2 mi. W. of, in sec. 25, T. 38 N., R. 24 W., in center of triangle formed by T-rd. N., in concrete post; standard tablet stamped "L 1936" -----	38	01	20.41	93	30	25.24	8,256

\*Published in line 1 of the Humansville quadrangle (see Bull. 916-E).

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T-rd. E. -----	38 01 56.9	93 30 30.8	3,719
Rd. at fences E. and W. -----	38 03 31.8	93 31 06.4	10,013
Harper, in NW. corner of Harper schoolyard, approximately 220 ft. N. and 20 ft. E. of center of SW 1/4 sec. 12, T. 38 N., R. 24 W., in concrete post; standard tablet -----	38 03 47.16	93 31 04.69	1,558
T. 38 N., R. 24 W., approximate W. sixteenth cor. sec. 12, T-rd. E. -----	38 03 58.0	93 31 04.2	1,100
Rd. at fences E. and W. -----	38 04 24.1	93 31 02.7	2,645
Rd. at fences N. and S. -----	38 05 57.7	93 32 20.8	11,338
Iconium, near S. limits of, 54 ft. SE. of SE. corner of Liberty Missionary Baptist Church, 36 ft. E. of 16-in. oak tree, in concrete post; standard tablet stamped "T T 610 C W A 1934" -----	38 06 11.48	93 32 38.68	1,996
T-rd. W. near schoolhouse -----	38 06 30.8	93 32 36.3	1,961
Rd. at fences E. and W. -----	38 06 50.3	93 32 34.8	1,980
Rd. at fences E. and W. -----	38 07 16.3	93 32 33.4	2,632
T. 39 N., R. 24 W., E. sixteenth cor. between secs. 15 and 22 -----	38 07 55.5	93 32 31.2	3,972
T. 39 N., R. 24 W., about 870 ft. W. of E. sixteenth cor. between secs. 14 and 23, 15 ft. S. of rd. corner from N.-W., in concrete post; standard tablet stamped "10 L 1936" -----	38 07 53.76	93 31 36.09	4,406
T. 39 N., R. 24 W., in SE 1/4 sec. 1, about 0.5 mi. W. of Benton-St. Clair county line, 30 ft. S. of winding rd. W. of small branch, near gatepost at jog in fence, in concrete post; standard tablet stamped "T T 557 C W A 1934" -----	38 09 48.78	93 30 31.25	12,736

3. FROM SEC. 12, T. 38 N., R. 24 W., SOUTHEAST TO SEC. 17, T. 38 N.,  
R. 23 W., INCLUDING THAT PART OF THE LINE IN FRISTOE QUADRANGLE  
(by J. P. Anderson in 1934)\*

T-rd. E. (previously described) -----	38 03 58.0	93 31 04.2	.....
Hogle Creek, center of ford across -----	38 04 06.7	93 30 01.5	5,096
Rd. at fences N. and S. on probable Hickory- St. Clair county line -----	38 03 55.1	93 29 52.8	1,366
T. 38 N., R. 23 W., near E. sixteenth cor. be- tween secs. 17 and 20, 16 ft. N. and 28 ft. E. from crossroads, in concrete post; standard tablet stamped "3 L 1936" -----	38 02 34.12	93 28 28.54	10,605

4. FROM SEC. 1, T. 37 N., R. 26 W., NORTH ALONG STATE HIGHWAY 82 TO  
OSCEOLA, THENCE WEST ALONG ROADS INTO CLINTON NO. 3 QUADRANGLE AT  
SEC. 14, T. 38 N., R. 26 W., INCLUDING THAT PART OF THE LINE IN  
HUMANSVILLE QUADRANGLE (by J. P. Anderson in 1934)

T T 64 B 1933 (previously described)** -----	37 59 46.16	93 44 01.26	.....
Center of bridge -----	38 00 18.2	93 43 18.3	4,725
Highway at fence E. -----	38 01 01.2	93 43 02.8	4,520
Junction of rd. W. -----	38 01 21.3	93 43 11.3	2,150
Osceola, 1 mi. SW. of, 0.4 mi. NE. along highway from junction of rd. W., 42 ft. E. of highway, in concrete post; standard tablet stamped "293"*** -----	38 02 01.24	93 43 08.07	4,050
Osceola, junction of street E. -----	38 02 41.0	93 42 20.0	5,560
St. Louis-San Francisco Ry. at rd. crossing -----	38 02 56.3	93 42 07.0	1,870
Osceola, about 1 mi. N. of, at N. end of bridge over Osage River, in top of E. guardrail; standard tablet stamped "13 J 1934 738" -----	38 03 43.93	93 41 36.92	5,385
T-rd. N. -----	38 03 49.0	93 41 57.8	1,750
St. Louis-San Francisco Ry. at rd. crossing -----	38 03 57.0	93 42 38.8	3,370
Gallinipper Creek, St. Louis-San Francisco Ry. at S. end of bridge over -----	38 03 16.1	93 42 30.7	4,190
Rd. at fences N. and S. -----	38 03 18.9	93 43 56.1	6,835
Rd. at fences N. and S. -----	38 03 27.6	93 44 45.0	4,010
Osceola, 3 mi. W. of, in E 1/2 sec. 14, T. 38 N., R. 26 W., 27 ft. N. and 30 ft. W. from T-rd. N., on land of Ralph Johnson, in concrete post; standard tablet stamped "292 C W A 1934 20 J 1934 824" -----	38 03 28.15	93 44 56.53	930

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

\*Published also as line 11 of the Fristoe quadrangle (see Bull. 916-G).

\*\*Published in line 1 of the Humansville quadrangle (see Bull. 916-E).

\*\*\*In January 1940 this tablet was reported destroyed.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
5. FROM SEC. 20, T. 40 N., R. 23 W., WEST AND NORTH INTO CALHOUN QUADRANGLE AT SEC. 13, T. 40 N., R. 24 W. (by C. D. Craig in 1934)			
U.S.C. & G.S. standard disk stamped "S 35 1934" (in Fristoe quadrangle)*	38 14 17.91	93 29 40.39	(1,354)
Rd. at fences N. and S. -----	38 14 09.9	93 30 13.0	2,727
T-rd. S. -----	38 14 05.5	93 30 39.5	2,160
Rd. at fences N.-S. on Benton-Henry county line -----	38 13 57.0	93 31 19.5	3,302
U.S.C. & G.S. standard disk stamped "T 35 1934" Finney, 0.5 mi. E. of, 60 ft. N. and 24 ft. E. from T-rd. N., at SW. corner of Finney Baptist Church, in concrete post; standard tablet stamped "T T 644 C W A 1934" -----	38 14 09.88	93 32 11.21	1,733
Rd. at fences E. and W. -----	38 14 37.6	93 32 09.3	2,806
(Continued in Calhoun quadrangle; see line 4.)			

6. FROM CLINTON NO. 3 QUADRANGLE AT SEC. 24, T. 40 N., R. 26 W., EAST TO  
FINNEY (by C. D. Craig in 1934)  
(Continued from Clinton No. 3 quadrangle; see line 5.)

T. 40 N., Rs. 25 and 26 W., approximate cor. secs. 13, 18, 19, and 24, rd. at fences N. and S. -----	38 14 58.3	93 44 33.6	(2,630)
Rd. at fences N. and S. -----	38 14 57.2	93 43 59.9	2,690
Brownington, at W. limits of, 23 ft. N. of rd. in line with E. face of schoolhouse, in concrete post; standard tablet stamped "T T 641 C W A 1934"*** -----	38 14 56.73	93 43 32.53	2,163
Brownington, Main Street at rd. E. -----	38 14 43.2	93 43 23.1	1,560
Rd. at fence N. -----	38 14 42.6	93 42 53.7	2,350
Rd. at fence S. -----	38 14 41.6	93 42 20.8	2,630
T. 40 N., R. 25 W., center sec. 21, rd. at fence N. -----	38 14 27.8	93 41 48.3	2,943
T. 40 N., R. 25 W., approximate quarter cor. between secs. 21 and 22, rd. at fence S. -----	38 14 26.9	93 41 14.9	2,666
Brownington, 0.5 mi. S. and 2.5 mi. E. from, near center sec. 22, T. 40 N., R. 25 W., 47 ft. E. of T-rd. W., 17 ft. S. and 47 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T 642 C W A 1934" -----	38 14 25.92	93 40 40.76	2,726
Rd. at fences N. and S. -----	38 14 31.7	93 40 08.0	2,677
T-rd. N. at fence S. -----	38 14 29.9	93 39 35.0	2,643
Rd. at fence N. -----	38 14 23.0	93 38 59.2	2,934
Rd. at pipe line -----	38 14 22.7	93 38 46.7	1,005
T. 40 N., R. 25 W., E. sixteenth cor. sec. 24, crossroads -----	38 14 21.5	93 36 12.4	2,736
Mount Zion, 1 mi. N. of, E. sixteenth cor. between secs. 24 and 25, T. 40 N., R. 25 W., 10 ft. S. and 25 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T 643 C W A 1934" -----	38 13 55.31	93 36 13.98	2,651
T. 40 N., Rs. 24 and 25 W., cor. secs. 19, 24, 25, and 30, rd. at hedge fence N. -----	38 13 54.8	93 37 57.1	1,350
Rd. at fences N. and S. -----	38 13 53.9	93 37 25.0	2,560
T. 40 N., R. 24 W., approximate cor. secs. 19; 20, 29, and 30, rd. at fence S. -----	38 13 53.0	93 36 52.0	2,638
Center of old E.-W. rd. at fences N. and S. -----	38 13 53.5	93 36 01.4	4,042
U.S.C. & G.S. standard disk stamped "V 35 1934" T. 40 N., R. 24 W.; approximate quarter cor. between secs. 21 and 28, rd. corner from W.-S. at hedge fence N. -----	38 13 50.0	93 35 11.7	2,469
Rd. at fence N. -----	38 13 54.8	93 34 43.7	2,283
U.S.C. & G.S. standard disk stamped "U 35 1934" T. 40 N., R. 24 W., cor. secs. 22, 23, 26, and 27, T-rd. N. -----	38 13 52.05	93 33 55.52	3,858
Rd. at fences N. and S. near Finney School -----	38 13 47.3	93 33 33.0	1,855
T T 644 C W A 1934 (previously described) -----	38 14 00.7	93 32 42.6	4,244
	38 14 09.88	93 32 11.21	2,676

7. FROM ICONIUM NORTHWEST TO SEC. 13, T. 39 N., R. 25 W., THENCE WEST  
ALONG COUNTY ROUTE C TO SEC. 7, T. 39 N., R. 25 W., THENCE NORTH  
ALONG STATE HIGHWAY 13 INTO CLINTON NO. 3 QUADRANGLE  
(by C. D. Craig in 1934)

T T 610 C W A 1934 (previously described) -----	38 06 11.48	93 32 38.68	.....
Rd. at fences N. and S. -----	38 06 36.6	93 32 51.8	2,749
Rd. at fences N. and S. -----	38 06 38.3	93 33 24.8	2,635
Fence corner on W. side of rd. -----	38 06 39.1	93 33 41.3	1,324
T. 39 N., R. 24 W., E. sixteenth cor. between secs. 21 and 28, stone -----	38 07 04.8	93 33 40.1	2,605

\*Published in line 6 of the Fristoe quadrangle (see Bull. 916-c).

\*\*In May 1936 it was reported by S. T. Tudor that this tablet was destroyed.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Iconium, 3 mi. NW. of, about 650 ft. W. of cor. secs. 20, 21, 28, and 29, T. 39 N., R. 24 W., 75 ft. N. and 5 ft. W. from NW. corner of dwelling of M. D. Scott, 15 ft. S. of rd., in concrete post; standard tablet stamped "T T 611 C W A 1934" -----	38 07 06.21	93 34 40.65	4,839
T. 39 N., R. 24 W., quarter cor. between secs. 20 and 29, 48 ft. N. of rd. at corner stone -----	38 07 07.0	93 35 02.4	1,740
Rd. at fence N. -----	38 07 08.0	93 35 35.0	2,601
Fence corner from N.-E. near rd. forks -----	38 07 09.8	93 35 53.0	1,449
Rd. at fences N. and S. -----	38 07 35.0	93 36 06.7	2,765
Rd. in line with W. face of log dwelling -----	38 07 36.3	93 36 41.7	2,803
Rd. corner from W.-N. near rd. forks -----	38 07 37.2	93 37 05.7	1,911
T. 39 N., R. 25 W., in E <sub>2</sub> sec. 13, 0.3 mi. E. of bridge over Osage River at Brown's ford, 6 ft. N. and 15 ft. E. from T-rd. W., in concrete post; standard tablet stamped "T T 612 C W A 1934" -----	38 08 16.29	93 36 59.80	3,985
Osage River at Brown's ford, E. tower of suspension bridge over -----	38 08 17.5	93 37 25.2	2,033
Highway at fence S. -----	38 08 29.8	93 38 24.3	5,231
Center of bridge -----	38 08 44.1	93 38 44.0	1,625
Junction of rd. N. -----	38 08 44.9	93 39 07.8	1,901
T. 39 N., R. 25 W., cor. secs. 9, 10, 15, and 16, 1 mi. N. and 3 mi. E. from Lowry City, 25 ft. S. and 25 ft. E. from County Route C at rd. corner from W.-S. at rd. E., in concrete post; standard tablet stamped "T T 613 C W A 1934" --	38 08 59.91	93 40 01.95	4,583
Highway at fences N. and S. -----	38 09 01.1	93 40 34.7	2,617
T. 39 N., R. 25 W., cor. secs. 8, 9, 16, and 17, crossroad -----	38 09 02.0	93 41 08.3	2,680
Highway in line with E. face of schoolhouse -----	38 09 02.9	93 41 41.0	2,610
T. 39 N., R. 25 W., cor. secs. 7, 8, 17, and 18, crossroad -----	38 09 03.8	93 42 15.1	2,730
T. 39 N., R. 25 W., quarter cor. between secs. 7 and 18, highway at fences N. and S. -----	38 09 04.8	93 42 48.2	2,640
Lowry City, 1 mi. N. of, along State Highway 13, 28 ft. S. and 73 ft. E. from junction of County Route C, 10 ft. N. and 73 ft. E. from junction of County Route A, in concrete post; standard tablet stamped "T T 614 C W A 1934" --	38 09 05.63	93 43 21.36	2,650
T. 39 N., R. 26 W., E. quarter cor. sec. 12, junction of rd. W. -----	38 09 31.6	93 43 21.0	2,633
T. 39 N., R. 25 W., W. cor. secs. 6 and 7, junction of rd. E., 30 ft. N. of hedge fence W. at approximate E. cor. secs. 1 and 12, T. 39 N., R. 26 W. -----	38 09 57.9	93 43 19.7	2,660
T. 39 N., R. 25 W., W. quarter cor. sec. 6, highway at fence E. -----	38 10 24.1	93 43 18.6	2,650
Highway at fence E. -----	38 10 50.2	93 43 39.3	3,111
Chloe, crossroad at sta. -----	38 11 03.8	93 43 57.6	2,008
Chloe, 0.5 mi. NW. of, along State Highway 13, 90 ft. N. and 30 ft. W. from N.-S. crossroad, in concrete post; standard tablet stamped "T T 628 C W A 1934" -----	38 11 24.43	93 44 22.40	2,880
Highway at fences E. and W. -----	38 11 44.0	93 44 39.1	2,385
Junction of E.-W. rd. at fence S. -----	38 12 21.3	93 44 52.1	3,913

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

## 8. FROM POINT 1 MILE NORTH OF LOWRY CITY SOUTH ALONG STATE HIGHWAY 13 TO POINT 1 MILE NORTH OF OSCEOLA (by C. D. Craig in 1934)

T T 614 C W A 1934 (previously described) -----	38 09 05.63	93 43 21.36	.....
T. 39 N., R. 26 W., approximate E. quarter cor. sec. 13, highway at hedge fence W., 30 ft. S. of fence E. at approximate W. quarter cor. sec. 18, T. 39 N., R. 25 W. -----	38 08 39.5	93 43 23.5	2,649
Junction of rd. W. at fence S. -----	38 08 24.7	93 43 06.8	2,002
Crossroad -----	38 06 12.6	93 42 55.0	1,542
Highway at fences E. and W. -----	38 07 59.4	93 42 42.9	1,657
Junction of rd. N. at fences E. and W. -----	38 07 32.3	93 42 20.2	3,283
T. 39 N., R. 25 W., cor. secs. 19, 20, 29, and 30, crossroads -----	38 07 19.2	93 42 20.8	1,325
Highway at fences E. and W. -----	38 06 53.1	93 42 22.3	2,646
T. 39 N., R. 25 W., cor. secs. 29, 30, 31, and 32, 57 ft. N. and 34 ft. W. from State Highway 13 at crossroad, in yard of McNutt School, in concrete post; standard tablet stamped "T T 629 C W A 1934" -----	38 06 27.63	93 42 24.10	2,580
Highway at fences E. and W. -----	38 06 00.9	93 42 19.7	2,726
Crossroad -----	38 05 47.7	93 42 15.6	1,397
Center of culvert -----	38 05 15.6	93 42 12.6	3,255
T. 38 N., R. 25 W., approximate quarter cor. between secs. 5 and 8, junction of rd. E. and lane W. -----	38 04 41.5	93 41 54.9	3,729

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Highway at fence E. -----	36 04 15.4	93 41 56.4	2,640
Highway at fence W. -----	36 04 02.2	93 41 57.3	1,338
13 J 1934 738 (previously described) -----	36 03 43.93	93 41 36.92	2,464

## 9. FROM SEC. 1, T. 39 N., R. 24 W., WEST ABOUT 2 MILES (by C. D. Craig in 1934)

T T 557 C W A 1934 (previously described) -----	38 09 48.78	93 30 31.25	.....
T-rd. S. -----	36 09 57.7	93 30 57.3	2,268
Rd. corner from E.-N. near dwelling of J. E. Crain -----	38 10 03.7	93 31 18.5	1,797
T-rd. W. -----	38 10 30.6	93 31 33.8	2,987
Center of bridge -----	38 10 31.2	93 31 55.0	1,698
Rd. at fences N. and S. -----	38 10 31.3	93 32 06.9	950
Rd. corner from E.-N. -----	36 10 31.8	93 32 22.2	1,220

## 10. FROM POINT 1 MILE NORTH OF OSCEOLA EAST ALONG COUNTY ROUTE N TO SEC. 8, T. 38 N., R. 24 W., THENCE EAST ALONG ROADS TO HARPER (by J. W. Fothergill in 1935)

13 J 1934 738 (previously described) -----	36 03 43.93	93 41 36.92	.....
T. 38 N., R. 25 W., W. sixteenth cor. sec. 16, T-rd. S. at fence N. -----	36 03 22.1	93 41 09.4	3,113
T. 38 N., R. 25 W., approximate quarter cor. between secs. 15 and 16, junction of lane S. --	36 03 20.9	93 40 19.8	3,970
Junction of rd. S. at fence N. -----	38 03 26.2	93 39 46.9	2,692
Junction of rd. S. -----	38 03 30.3	93 38 56.9	4,021
T. 38 N., R. 25 W., near center of NE 1/4 sec. 14, 3 mi. E. of Osceola, 28 ft. N. and 108 ft. E. from highway at fences N. and S., 60 ft. S. and 40 ft. E. from SE. corner of dwelling of C. S. Howe, in concrete post; standard tablet stamped "1273 E R A 1935" -----	36 03 30.61	93 38 25.37	2,520
Highway at fence S. and old lane N. -----	38 03 29.3	93 37 51.2	2,740
Weaubleau Creek, W. end of bridge over -----	38 03 37.9	93 37 35.2	1,545
Junction of rd. N. -----	36 03 48.4	93 36 35.2	4,915
Highway at fence N. -----	38 03 53.6	93 36 01.8	2,721
T. 38 N., R. 24 W., about 0.2 mi. N. of cor. secs. 8, 9, 16, and 17, 7 mi. E. of Osceola, 30 ft. N. and 3 ft. W. from rd. corner from W.-S., 2 ft. S. of N. right-of-way line of highway, in concrete post; standard tablet stamped "1274 E R A 1935" -----	36 03 50.91	93 34 55.63	5,300
Rd. at triangular-blazed 10-in. oak tree -----	36 03 48.2	93 33 58.5	4,574
Rd. at triangular-blazed 16-in. black-oak tree --	38 03 39.3	93 33 20.6	3,164
T. 38 N., R. 24 W., E. sixteenth cor. between secs. 10 and 15, rd. at fence S. -----	36 03 34.8	93 33 01.4	1,603
Rd. at fences N. and S. -----	38 03 32.8	93 32 28.6	2,635
T. 38 N., R. 24 W., S. sixteenth cor. sec. 11, rd. corner from S.-E. -----	36 03 46.2	93 31 54.4	3,052
T. 38 N., R. 24 W., S. sixteenth cor. between secs. 11 and 12, rd. at fence N. -----	36 03 45.4	93 31 21.3	2,647
Standard tablet (previously described) -----	36 03 47.16	93 31 04.69	1,342

## 11. FROM SEC. 20, T. 40 N., R. 23 W., SOUTH TO SEC. 1, T. 39 N., R. 24 W. (by J. W. Fothergill in 1935)

S 35 1934 (previously described)* -----	36 14 17.91	93 29 40.39	.....
Junction of dim rd. S. -----	38 14 12.5	93 30 05.2	2,052
Rd. at fences N. and S. -----	38 14 09.8	93 30 13.0	2,682
T-rd. S. -----	36 14 05.5	93 30 39.6	2,169
Rd. at fence W. on approximate E.-W. line through center of SE 1/4 sec. 19, T. 40 N., R. 23 W. --	36 13 55.6	93 30 34.5	1,068
Rd. at triangular-blazed 24-in. black-oak tree --	36 13 30.1	93 30 29.4	2,612
Rd. fork NE. -----	36 13 05.9	93 30 09.8	2,902
T-rd. W. -----	36 12 50.5	93 30 23.5	1,900
Rd. at fences E. and W. -----	36 12 36.7	93 30 17.2	1,485
White Sulphur Springs Camp, 582 ft. N. and 78 ft. W. from entrance to, N. quarter cor. sec. 1, T. 39 N., R. 24 W., 219 ft. E. of stake, 283 ft. E. of T-fence N. at S. cor. secs. 31 and 32, T. 40 N., R. 23 W., 2 ft. S. and 78 ft. W. from rd. at fence W., on Benton-St. Clair county line, in concrete post; standard tablet stamped "1270 E R A 1935" -----	36 12 00.86	93 30 19.81	3,636
Rd. at fences E. and W. -----	36 11 47.4	93 30 23.4	1,358
Rd. at gap in fences E. and W. -----	36 11 21.3	93 30 24.4	2,634
Rd. at fences E. and W. -----	36 11 06.9	93 30 24.9	1,666
Rd. at triangular-blazed 15-in. hickory tree ----	36 10 33.9	93 30 35.8	3,449
Intersection of cross trails at triangular-blazed 12-in. hickory tree -----	38 10 16.3	93 30 36.4	1,766
T T 557 C W A 1934 (previously described) -----	36 09 48.78	93 30 31.25	2,828

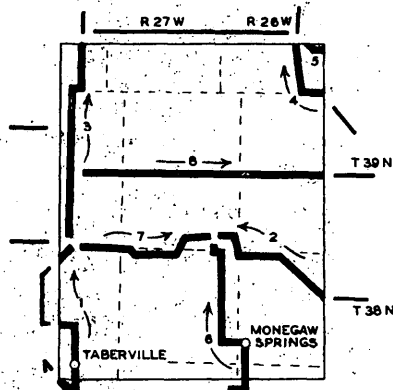
\*Published in line 6 of the Fristoe quadrangle (see Bull. 916-G).

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
12. FROM CLINTON NO. 3 QUADRANGLE EAST ALONG COUNTY ROUTE A TO POINT 1 MILE NORTH OF LOWRY CITY (by C. D. Craig in 1936) (Continued from Clinton No. 3 quadrangle; see line 8.)			
T. 39 N., R. 26 W., cor. secs. 11, 12, 13, and 14, crossroad -----	38 09 07.1	93 44 28.5	(5,213)
T. T 614 C W A 1934 (previously described) -----	38 09 05.63	93 43 21.36	5,363

Magnetic declination 7° 37' E.

CLINTON NO. 3 QUADRANGLE  
(Latitude 38°00'-38°15'; longitude 93°45'-94°00')

Henry and St. Clair Counties



1. FROM APPLETON CITY QUADRANGLE AT SEC. 10, T. 37 N., R. 28 W., NORTH TO SEC. 34, T. 39 N., R. 28 W. (by W. A. Wheeler in 1934)  
(Continued from Appleton City quadrangle; see line 4.)

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
T. 37 N., R. 28 W., quarter cor. between secs. 3 and 10, T-rd. W. (in Pleasant View quadrangle)* -----	37 59 59.9	93 59 42.3	(2,630)
Taberville, crossroads at -----	38 00 26.1	93 59 40.5	2,650
N.-S. rd. at fence -----	38 00 59.4	93 59 41.2	3,370
T. 38 N., R. 28 W., about 0.3 mi. S. of quarter cor. between secs. 27 and 34, 22 ft. W. of rd., in concrete post; standard tablet stamped "221 C W A 1934" -----	38 01 31.3	93 59 40.0	3,225
T. 38 N., R. 28 W., quarter cor. between secs. 27 and 34, crossroads -----	38 01 46.3	93 59 38.9	1,520
T. 38 N., R. 28 W., center sec. 27, T-rd. S. -----	38 02 12.1	93 59 37.6	2,620
(For balance in Appleton City quadrangle, see line 4.)			
T. 38 N., R. 28 W., quarter cor. between secs. 3 and 4, rd. at fence W. -----	38 05 43.0	94 00 00.2	(2,640)
T. 39 N., R. 28 W., S. cor. secs. 33 and 34, 26 ft. N. and 30 ft. E. from T-rd. N., 26 ft. N. and 42 ft. E. from T-rd. S. at N. cor. secs. 3 and 4, T. 38 N., R. 28 W., in concrete post; standard tablet stamped "295 C W A 1934" -----	38 06 08.29	93 59 58.27	2,560

2. FROM LOWRY CITY QUADRANGLE AT SEC. 14, T. 38 N., R. 26 W., NORTHWEST TO SEC. 26, T. 39 N., R. 27 W. (by J. P. Anderson in 1934)  
(Continued from Lowry City quadrangle; see line 4.)

T-rd. N. -----	38 03 55.0	93 45 17.0	(3,170)
T-rd. N. -----	38 03 56.4	93 46 06.3	3,950
Rd. corner -----	38 04 09.5	93 46 05.9	1,330
Rd. at fence N. -----	38 04 29.8	93 46 37.5	3,260

\*Published in Pleasant View quadrangle (see Bull. 916-E).

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Osceola, 5.9 mi. NW. of, near quarter cor. between secs. 9 and 10, T. 38 N., R. 26 W., 35 ft. S. and 12 ft. E. from N. junction of rd. E., in triangle, in concrete post; standard tablet stamped "21 J 1934 797" -----	38 04 31.94	93 46 53.69	1,310
T. 38 N., R. 26 W., probable center sec. 4, rd. corner -----	38 05 16.7	93 47 24.4	5,150
T. 38 N., R. 26 W., near quarter cor. between secs. 4 and 5, rd. corner -----	38 05 17.6	93 47 57.2	2,620
Tps. 38 and 39 N., R. 26 W., approximate cor. secs. 4, 5, 32, and 33, T-rd. W. -----	38 05 45.1	93 47 57.3	2,780
T-rd. S. -----	38 05 48.0	93 48 29.4	2,570
Tps. 38 and 39 N., R. 26 W., E. sixteenth cor. between secs. 6 and 31, 20 ft. S. and 35 ft. E. from crossroads, in concrete post; standard tablet stamped "291 C W A 1934 22 J 820" -----	38 05 47.56	93 49 19.02	3,970
T. 39 N., R. 26 W., S. quarter cor. sec. 31, rd. corner -----	38 05 48.4	93 49 36.3	1,390
T. 39 N., Rs. 26 and 27 W., S. sixteenth cor. between secs. 31 and 36 -----	38 06 02.4	93 50 08.8	2,960
T. 39 N., R. 27 W., cor. secs. 25, 26, 35, and 36, T-rd. N. -----	38 06 43.2	93 51 13.0	6,584
T. 39 N., R. 27 W., quarter cor. between secs. 26 and 35, crossroads -----	38 06 44.4	93 51 45.8	2,620
T. 39 N., R. 27 W., cor. secs. 26, 27, 34, and 35, 20 ft. S. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "23 J 1934" -----	38 06 45.24	93 52 18.20	2,595

3. FROM SEC. 34, T. 39 N., R. 28 W., NORTH TO SEC. 15, T. 39 N., R. 28 W., THENCE NORTH ALONG COUNTY ROUTE A TO SEC. 3, T. 40 N., R. 28 W., THENCE NORTH ALONG STATE HIGHWAY 52 INTO CLINTON QUADRANGLE AT MONTROSE (by C. D. Craig in 1934)

295 C W A 1934 26 J 1934 842 (previously described) -----	38 06 08.29	93 59 58.27	.....
Rd. at fence W. -----	38 06 34.1	93 59 57.5	2,610
T. 39 N., R. 28 W., cor. secs. 27, 28, 33, and 34, corner stone -----	38 07 00.1	93 59 56.2	2,630
Center of bridge over creek -----	38 07 10.4	94 00 00.2	1,085
T. 39 N., R. 28 W., quarter cor. between secs. 27 and 28, T-rd. N. -----	38 07 26.1	93 59 55.0	1,640
T. 39 N., R. 28 W., quarter cor. between secs. 21 and 22, rd. at fences E. and W. -----	38 08 18.3	93 59 52.4	5,290
T. 39 N., R. 28 W., cor. secs. 15, 16, 21, and 22, 68 ft. N. and 34 ft. W. from crossroads, in yard of Appleton Center School, in concrete post; standard tablet stamped "T T 305 C W A 1934" -----	38 08 45.02	93 59 51.79	2,705
T. 39 N., R. 28 W., quarter cor. between secs. 15 and 16, rd. at hedge fences E. and W. -----	38 09 10.5	93 59 50.3	2,580
T. 39 N., R. 28 W., cor. secs. 9, 10, 15, and 16, County Route A from N.-E. at rds. S. and W. -----	38 09 36.6	93 59 49.3	2,640
T. 39 N., R. 28 W., quarter cor. between secs. 9 and 10, highway at hedge fences E. and W. -----	38 10 02.7	93 59 48.3	2,640
T. 39 N., R. 28 W., approximate quarter cor. between secs. 3 and 4, highway at fences E. and W. -----	38 10 54.8	93 59 46.3	5,280
Appleton City, about 1.2 mi. E. of E. limits of, on State Highway 52, 62 ft. N. and 46 ft. W. from curve from W.-N. at junction of County Route A to S., in concrete post; standard tablet stamped "406 C W A 1934" -----	38 11 21.62	93 59 45.80	2,710
Junction of rd. E. and hedge fence W. -----	38 12 00.1	93 59 43.5	3,895
Highway at fences E. and W. -----	38 12 26.2	93 59 42.4	2,640
T. 39 N., R. 28 W., N. cor. secs. 3 and 4, highway from S.-E. and rd. W. -----	38 12 45.6	93 59 41.5	1,970
Highway at hedge fence S. -----	38 12 44.8	93 59 09.2	2,580
Highway at fence E. -----	38 13 10.7	93 58 58.3	2,755
Montrose, 2 mi. S. of, cor. secs. 25, 26, 35, and 36, T. 40 N., R. 28 W., 36 ft. N. and 27 ft. W. from crossroad, in concrete post; standard tablet stamped "T T 234 C W A 1934" -----	38 13 37.14	93 58 57.45	2,675
Highway at hedge fences E. and W. -----	38 14 02.9	93 58 56.0	2,610
T. 40 N., R. 28 W., cor. secs. 23, 24, 25, and 26, crossroad -----	38 14 29.0	93 58 54.9	2,640
Highway at fence W. -----	38 14 55.1	93 58 53.8	2,640

(Continued in Clinton quadrangle; see line 2.)



Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet

4. FROM LOWRY CITY QUADRANGLE NORTH ALONG STATE HIGHWAY 13 INTO CLINTON QUADRANGLE (by C. D. Craig in 1934)  
(Continued from Lowry City quadrangle; see line 7.)

Highway at hedge fence S. on Henry-St. Clair county line, 390 ft. E. of hedge fence N. ----	38 12 21.7	93 45 08.0	(1,266)
T. 39 N., R. 26 W., N. cor. secs. 2 and 3, junction of rd. S. -----	38 12 22.0	93 45 24.3	1,304
T. 40 N., R. 26 W., S. sixteenth cor. sec. 35, highway at fences E. and W. -----	38 12 36.4	93 46 18.0	4,527
T. 40 N., R. 26 W., S. sixteenth cor. sec. 26, highway at fences E. and W. -----	38 13 02.5	93 46 17.0	2,640
Deepwater, 3.5 mi. S. of, along State Highway 13, quarter cor. between secs. 26 and 35, T. 40 N., R. 26 W., 26 ft. N. and 30 ft. E. from highway at rd. E., in concrete post; standard tablet stamped "T T 640 1934" -----	38 13 15.80	93 46 16.00	1,350
Highway at fence E. -----	38 13 41.6	93 46 13.6	2,615
T. 40 N., R. 26 W., quarter cor. between secs. 23 and 26, crossroads -----	38 14 07.8	93 46 14.3	2,654
T. 40 N., R. 26 W., center sec. 23, highway at fences E. and W. -----	38 14 34.0	93 46 13.4	2,649

(Continued in Clinton quadrangle; see line 4.)

5. FROM CLINTON QUADRANGLE AT SEC. 14, T. 40 N., R. 26 W., EAST INTO LOWRY CITY QUADRANGLE AT SEC. 24, T. 40 N., R. 26 W. (by C. D. Craig in 1934)

T T 630 C W A 1934 (In Clinton quadrangle; see line 4.) -----	38 15 01.26	93 46 45.18	.....
T-rd. N. -----	38 14 59.8	93 45 55.7	3,949
T. 40 N., R. 26 W., cor. secs. 13, 14, 23, and 24, rd. at fence N. and lane S. -----	38 14 59.5	93 45 39.6	1,290
T. 40 N., R. 26 W., quarter cor. between secs. 13 and 24, rd. at fences N. and S. -----	38 14 58.8	93 45 06.5	2,640

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

6. FROM SEC. 12, T. 37 N., R. 27 W., NORTH TO SEC. 26, T. 39 N., R. 27 W. (by C. D. Craig in 1934)\*

Monegaw Springs, 2.5 mi. S. and 0.5 mi. W. from, W. sixteenth cor. between secs. 1 and 12, T. 37 N., R. 27 W., 15 ft. N. of T-rd. S., in concrete post; standard tablet stamped "T T 606 C W A 1934" -----	37 59 45.34	93 51 14.69	(2,680)
T-rd. W. -----	37 59 44.1	93 50 41.2	2,680
Rd. at fence E. -----	38 00 10.3	93 50 40.5	2,640
Rd. in line with S. face of dwelling of H. H. McIntire -----	38 00 20.2	93 50 40.0	1,010
Rd. at fence E. -----	38 00 53.2	93 50 37.3	3,340
Osage River, center of tower at N. end of bridge over -----	38 01 29.2	93 50 30.2	3,690
Monegaw Springs, near post office, 32 ft. S. and 40 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 607 C W A 1934" --	38 01 52.28	93 50 25.86	2,360
Rd. in line with W. face of dwelling -----	38 01 55.5	93 51 00.9	2,830
T. 38 N., R. 27 W., quarter cor. between secs. 25 and 26, T-rd. N. -----	38 01 56.3	93 51 24.3	1,870
Rd. at fences E. and W. -----	38 02 22.2	93 51 22.9	2,620
Rd. at pipe-line crossing -----	38 02 40.4	93 51 40.4	2,315
T-rd. W. -----	38 03 02.1	93 51 54.1	2,450
Rd. at fence W. -----	38 03 28.0	93 51 52.6	2,620
Monegaw Springs, 3.1 mi. NW. of, near center sec. 14, T. 38 N., R. 27 W., 12 ft. E. of rd., 10 ft. S. of E. fence between pasture and woods, in concrete post; standard tablet stamped "T T 608 C W A 1934" -----	38 03 40.89	93 51 51.69	1,300
Rd. at fence E. -----	38 04 07.1	93 51 50.8	2,660
Rd. at fences E. and W. -----	38 04 33.1	93 51 49.6	2,640
T. 38 N., R. 27 W., quarter cor. between secs. 2 and 11, T-rd. W. -----	38 04 59.2	93 51 48.3	2,630
Rd. corner from W.-N. at abandoned rd. S. -----	38 05 25.7	93 51 31.1	3,020
Johnson City, about 4 mi. E. and 1 mi. S. from, near E. sixteenth cor. between secs. 2 and 35, Tps. 36 and 39 N., R. 27 W., 15 ft. S. and 15 ft. W. from rd. corner from E.-N., 20 ft. N. and 262 ft. W. from rd. corner from S.-W., in concrete post; standard tablet stamped "T T 609 C W A 1934" -----	38 05 51.93	93 51 32.60	2,650

\*Line 10 of Pleasant View quadrangle includes a portion of this line (see Bull. 916-B).

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T-rd. S. -----	38 06 17.7	93 51 30.6	2,620
T. 39 N., R. 27 W., center sec. 35 -----	38 06 18.3	93 51 47.0	1,310
T. 39 N., R. 27 W., quarter cor. between secs. 26 and 35, crossroads -----	38 06 44.4	93 51 45.8	2,640
23 J 1934 (previously described) -----	38 06 45.24	93 52 18.20	2,590

7. FROM SEC. 34, T. 39 N., R. 28 W., EAST TO SEC. 26, T. 39 N., R. 27 W.  
(by C. D. Craig in 1934)

295 C W A 1934 26 J 1934 842 (previously described) -----	38 06 08.29	93 59 58.27	.....
Rd. at fence N. -----	38 06 07.0	93 59 25.6	2,620
T. 39 N., R. 28 W., S. cor. secs. 34 and 35, rd. at fence N., 50 ft. W. of rd. at fence S. at N. cor. secs. 2 and 3, T. 38 N., R. 28 W. -----	38 06 05.7	93 58 52.2	2,670
Tps. 38 and 39 N., R. 28 W., about 0.1 mi. E. of quarter cor. between secs. 2 and 35, about 250 ft. SE. of dwelling of John Ditty, 20 ft. N. of rd., 12 ft. W. of fence corner, in concrete post; standard tablet stamped "25 J 1934" -----	38 06 04.41	93 58 10.93	3,305
T-rd. S. -----	38 05 57.4	93 57 45.9	2,120
T-rd. N. -----	38 06 02.7	93 57 29.3	1,430
Rd. at fence N. -----	38 06 02.0	93 57 05.5	1,900
Tps. 38 and 39 N., Rs. 27 and 28 W., cor. of, rd. at fences N. and S. -----	38 06 01.0	93 56 40.6	1,990
T-rd. S. -----	38 06 00.0	93 55 53.2	3,795
Tps. 38 and 39 N., R. 27 W., cor. secs. 5, 6, 31, and 32, T-rd. N. -----	38 05 59.7	93 55 39.0	1,140
Tps. 38 and 39 N., R. 27 W., quarter cor. between secs. 5 and 32, 76 ft. W. of SW. corner of only dwelling at Iuka Springs, in concrete post; standard tablet stamped "24 J 1934 749" -----	38 05 52.46	93 55 13.85	2,140
Rd. at fence S. -----	38 05 58.1	93 54 48.0	2,140
T. 39 N., R. 27 W., S. quarter cor. sec. 33, T-rd. N., 120 ft. W. of rd. corner at rds. S. and W. and fence E. -----	38 05 56.6	93 53 58.9	3,850
T. 39 N., R. 27 W., center sec. 33, T-rd. E. -----	38 06 22.6	93 53 58.6	2,630
T-rd. S. -----	38 06 49.3	93 53 57.4	2,700
Rd. corner at rds. N. and W. -----	38 06 48.4	93 53 41.4	1,290
T-rd. N. on line between secs. 27 and 28, T. 39 N., R. 27 W. -----	38 06 54.2	93 53 24.1	1,500
Rd. at fence S. -----	38 06 46.2	93 52 36.1	3,920
23 J 1934 (previously described) -----	38 06 45.24	93 52 18.20	1,440

8. FROM SEC. 15, T. 39 N., R. 28 W., EAST ALONG COUNTY ROUTE A INTO  
LOWRY CITY QUADRANGLE (by C. D. Craig in 1934)

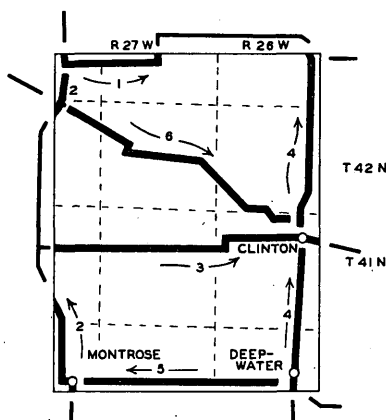
T T 305 C W A 1934 (previously described) -----	38 08 45.02	93 59 51.79	.....
Highway at fences N. and S. -----	38 09 35.5	93 59 16.6	5,829
T. 39 N., R. 28 W., cor. secs. 10, 11, 14, and 15, crossroad -----	38 09 34.3	93 58 43.6	2,640
T. 39 N., R. 28 W., cor. secs. 11, 12, 13, and 14, crossroad -----	38 09 32.0	93 57 38.8	5,179
T. 39 N., R. 27 W., near SW. cor. sec. 7, 45 ft. N. and 45 ft. E. from crossroad, in concrete post; standard tablet stamped "7 L 1936" -----	38 09 30.19	93 56 32.09	5,329
T. 39 N., R. 27 W., cor. secs. 7, 8, 17, and 18, crossroad -----	38 09 27.7	93 55 28.2	5,108
T. 39 N., R. 27 W., cor. secs. 8, 9, 16, and 17, crossroad -----	38 09 25.6	93 54 21.6	5,323
T. 39 N., R. 27 W., cor. secs. 9, 10, 15, and 16, 40 ft. S. and 55 ft. E. from crossroad, 160 ft. N. and 25 ft. W. from NW. corner of Center School, in sandstone post; standard tablet stamped "6 L 1936" -----	38 09 23.19	93 53 15.47	5,287
T. 39 N., R. 27 W., cor. secs. 10, 11, 14, and 15, crossroad -----	38 09 21.4	93 52 09.9	5,237
Ohio, crossroad at cor. secs. 11, 12, 13, and 14, T. 39 N., R. 27 W. -----	38 09 19.5	93 51 05.4	5,160
T. 39 N., Rs. 26 and 27 W., cor. secs. 7, 12, 13, and 18, 35 (? 55) ft. N. and 55 (? 35) ft. E. from crossroad, in concrete post; standard tablet stamped "5 L 1936" -----	38 09 18.27	93 49 58.06	5,377
Rd. at hedge fence N. -----	38 09 19.5	93 48 51.9	5,291
Crossroad -----	38 09 14.5	93 48 19.0	2,629
Crossroad -----	38 09 13.1	93 47 46.1	2,632
T. 39 N., R. 26 W., cor. secs. 9, 10, 15, and 16, 40 ft. S. and 60 ft. W. from junction of rd. N., in concrete post; standard tablet stamped "4 L 1936" -----	38 09 10.67	93 46 41.42	5,171
T. 39 N., R. 26 W., cor. secs. 10, 11, 14, and 15, junction of rd. N. and abandoned rd. S. ---	38 09 09.2	93 45 33.7	5,411

(Continued in Lowry City quadrangle; see line 12.)

Magnetic declination 7° 45' E.

CLINTON QUADRANGLE  
(Latitude 38°15'-38°30'; longitude 93°45'-94°00')

Henry County



1. FROM HOLDEN QUADRANGLE AT SEC. 23, T. 43 N., R. 28 W., EAST INTO HOLDEN QUADRANGLE AT SEC. 22, T. 43 N., R. 27 W. (by S. T. Tudor in 1934)  
(Continued from Holden quadrangle; see line 2.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 43 N., R. 26 W., cor. secs. 22, 23, 26, and 27, 27 ft. N. and 56 ft. W. from crossroads, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 620 C W A 1934" -----	38 29 36.33	93 59 34.65	(5,231)
T. 43 N., R. 28 W., quarter cor. between secs. 23 and 26, rd. at fences N. and S. -----	38 29 35.3	93 59 00.6	2,705
T. 43 N., R. 26 W., cor. secs. 23, 24, 25, and 26, crossroads -----	38 29 34.5	93 56 27.8	2,610
T. 43 N., R. 28 W., quarter cor. between secs. 24 and 25, rd. at fences N. and S. -----	38 29 33.6	93 57 54.7	2,634
T. 43 N., R. 26 W., E. cor. secs. 24 and 25, 37 ft. N. and 37 ft. W. from T-rd. W., 16 ft. N. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 29 33.17	93 57 21.73	2,622
T. 43 N., R. 27 W., S. sixteenth cor. on W. line sec. 30, T-rd. E. -----	38 28 53.8	93 57 22.8	3,981
T. 43 N., R. 27 W., S. sixteenth cor. sec. 30, rd. at hedge fences N. and S. -----	38 28 53.2	93 56 49.3	2,665
T. 43 N., R. 27 W., S. sixteenth cor. between secs. 29 and 30, T-rd. W. -----	38 28 52.5	93 56 16.4	2,623
T-rd. N. near center sec. 28, T. 43 N., R. 27 W. -----	38 29 03.8	93 54 45.5	7,310
St. Louis-San Francisco Ry. at rd. crossing -----	36 29 22.8	93 54 44.7	1,924
Maurine, NW. of rd. corner from W.-N., 4 ft. W. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 29 26.81	93 54 36.14	796
T. 43 N., R. 27 W., center sec. 21, T-rd. S. -----	38 29 55.7	93 54 34.7	2,926
Rd. forks -----	38 29 53.9	93 53 11.9	6,584

(Continued in Holden quadrangle; see line 3.)

2. FROM CLINTON NO. 3 QUADRANGLE AT MONTROSE NORTH TO SEC. 23, T. 43 N., R. 28 W. (by C. D. Craig in 1934)  
(Continued from Clinton No. 3 quadrangle; see line 3.)

Montrose, 29 ft. S. and 36 ft. W. from junction of Third and Missouri Streets, in concrete post; standard tablet stamped "T T 615 C W A 1934" -----	38 15 20.96	93 58 53.23	(2,620)
Rd. at fences N. and S. -----	38 15 22.1	93 59 26.0	2,620
T. 40 N., R. 28 W., cor. secs. 14, 15, 22, and 23, crossroads -----	38 15 22.8	93 59 59.2	2,650
T. 40 N., R. 28 W., cor. secs. 10, 11, 14, and 15, crossroads -----	38 16 14.9	93 59 56.8	5,270
T-rd. W. -----	38 16 40.9	93 59 55.5	2,630
T. 40 N., R. 28 W., cor. secs. 2, 3, 10, and 11, 115 ft. S. and 25 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 616 C W A 1934" -----	38 17 05.93	93 59 54.67	2,640

Station	Latitude	Longitude	Distance
T-rd. E. at fence W. -----	38 17 33.2	93 59 53.1	2,760
T-rd. W. -----	38 18 07.2	93 59 56.9	3,460
(For balance in Urich quadrangle, see line 2.)			
Urich, 0.7 mi. NE. of, near S. cor. secs. 34 and 35, T. 43 N., R. 28 W., 78 ft. S. and 54 ft. W. from T-rd. N., 78 ft. S. and 40 ft. E. from T-rd. S., 30 ft. S. and 24 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 619 C W A 1934" -----	38 27 50.65	93 59 38.41	(2,590)
T. 43 N., R. 28 W., quarter cor. between secs. 34 and 35, T-rd. S. -----	38 26 37.6	93 59 36.9	2,722
Rd. corner from S.-E. near cemetery -----	38 28 44.0	93 59 43.3	2,718
T. 43 W., R. 28 W., quarter cor. between secs. 26 and 27, rd. at fence E. -----	38 29 09.9	93 59 34.8	2,710
T T 620 C W A 1934 (previously described) -----	38 29 36.33	93 59 34.65	2,670

3. FROM URICH QUADRANGLE EAST ALONG COUNTY ROUTE E (now State Highway 18)  
TO CLINTON, THENCE EAST ALONG COUNTY ROUTE A (now State Highway 35)  
INTO CALHOUN QUADRANGLE by C. D. Craig in 1934  
(Continued from Urich quadrangle; see line 3.)

T. 41 N., R. 28 W., cor. secs. 10, 11, 14, and 15, crossroad -----	38 21 27.2	93 59 41.4	(2,650)
T. 41 N., R. 28 W., quarter cor. between secs. 11 and 14, highway at fences N. and S. -----	36 21 26.5	93 59 08.2	2,650
T. 41 N., R. 28 W., cor. secs. 11, 12, 13, and 14, crossroad -----	38 21 25.7	93 58 35.2	2,629
T. 41 N., R. 28 W., quarter cor. between secs. 12 and 13, highway at fences N. and S. -----	36 21 24.9	93 58 01.6	2,680
T. 41 N., Rs. 27 and 28 W., cor. secs. 7, 12, 13, and 16, 1 mi. W. of Delmar, 25 ft. S. and 15 ft. E. from junction of rd. N. and hedge fence S., in concrete post; standard tablet stamped "T T 621 C W A 1934" -----	38 21 24.04	93 57 27.94	2,679
T. 41 N., R. 27 W., quarter cor. between secs. 7 and 16, junction of rd. S. at fence N. -----	36 21 23.6	93 56 56.9	2,469
Delmar, junction of rd. N. at fence S. -----	36 21 22.7	93 56 23.7	2,650
T. 41 N., R. 27 W., quarter cor. between secs. 8 and 17, highway at fence N. -----	38 21 22.0	93 55 50.6	2,639
T. 41 N., R. 27 W., cor. secs. 8, 9, 16, and 17, crossroad -----	36 21 21.2	93 55 17.4	2,620
T. 41 N., R. 27 W., quarter cor. between secs. 9 and 16, highway at fence N. -----	38 21 20.3	93 54 44.5	2,620
T. 41 N., R. 27 W., cor. secs. 9, 10, 15, and 16, 2 mi. E. of Delmar, 32 ft. S. and 295 ft. W. from junction of rd. N., in concrete post; standard tablet stamped "T T 622 C W A 1934" -----	36 21 19.26	93 54 15.64	2,301
T. 41 N., R. 27 W., quarter cor. between secs. 10 and 15, highway at fences N. and S. -----	38 21 18.9	93 53 38.8	2,932
T. 41 N., R. 27 W., cor. secs. 10, 11, 14, and 15, junction of County Route T and rd. N. -----	36 21 18.2	93 53 05.7	2,639
T. 41 N., R. 27 W., quarter cor. between secs. 11 and 14, highway at fence N. -----	38 21 17.3	93 52 32.4	2,655
T. 41 N., R. 27 W., cor. secs. 11, 12, 13, and 14, highway at hedge fences N. and S. -----	36 21 16.5	93 51 59.4	2,635
Junction of rd. S. at hedge fence N. -----	38 21 16.2	93 51 26.1	2,650
Clinton, about 4 mi. SW. of, 210 ft. S. and 20 ft. W. from bridge over Grand River, in concrete post; standard tablet stamped "T T 623 C W A 1934" -----	36 21 16.41	93 50 55.64	2,427
Highway at fence W. -----	38 21 40.5	93 50 22.4	3,529
Highway at fence N. -----	36 21 52.3	93 49 55.0	2,466
T. 41 N., R. 26 W., quarter cor. between secs. 5 and 8, highway at fences N. and S. -----	36 22 04.8	93 49 15.2	3,416
Clinton, 2 mi. W. of, 30 ft. N. and 152 ft. E. from junction of rd. N., in concrete post; standard tablet stamped "T T 624 C W A 1934" -----	36 22 04.48	93 48 40.37	2,775
T. 41 N., R. 26 W., quarter cor. between secs. 4 and 9, highway at fence S. -----	36 22 03.5	93 48 08.9	2,510
T. 41 N., R. 26 W., cor. secs. 3, 4, 9, and 10, highway at telephone line N. -----	36 22 02.9	93 47 35.8	2,640
Clinton, at W. limits of, junction of rd. N. at fence S. -----	38 22 02.3	93 47 19.0	1,340
Clinton, 16 ft. S. and 31 ft. W. from intersection of South Second and East Ohio Streets, in concrete post; standard tablet stamped "T T 625 C W A 1934" -----	36 22 00.32	93 46 26.87	4,154
Clinton, at E. limits of, St. Louis-San Francisco Ry. at highway crossing -----	36 21 58.8	93 45 33.6	4,250

(Continued in Calhoun quadrangle; see line 3.)

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
4. FROM CLINTON NO. 3 QUADRANGLE NORTH ALONG STATE HIGHWAYS 13 AND 52 TO CLINTON, THENCE NORTH ALONG STATE HIGHWAY 13 INTO HOLDEN QUADRANGLE (by C. D. Craig in 1934) (Continued from Clinton No. 3 quadrangle; see line 4.)			
T. 40 N., R. 26 W., quarter cor. between secs. 14 and 23, rd. at point in line with highway from S.-W., 10 ft. W. of St. Louis-San Francisco Ry. Deepwater, 0.5 mi. E. of, ball on top of water tower of Dickey Clay Manufacturing Co. -----	38 15 00.0	93 46 12.4	(2,631)
Deepwater, 1 mi. S., thence 0.5 mi. W. from, in triangle formed by junction of State Highways 52 and 13, 30 ft. N. and 10 ft. E. from Highway 52 at Highway 13 N. and E. produced, in concrete post; standard tablet stamped "T T 630 C W A 1934" -----	38 15 35.5	93 45 54.4	3,867
Crossroad -----	38 15 01.26	93 46 45.18	5,329
T. 40 N., R. 26 W., cor. secs. 10, 11, 14, and 15, crossroad -----	38 15 32.3	93 46 44.2	3,139
T. 40 N., R. 26 W., quarter cor. between secs. 10 and 11, crossroad -----	38 15 53.3	93 46 43.5	2,131
T. 40 N., R. 26 W., cor. secs. 2, 3, 10, and 11, highway at fences E. and W. -----	38 16 19.5	93 46 42.6	2,650
Highway at fences E. and W. -----	38 16 45.7	93 46 41.6	2,651
Clinton, 5 mi. S. of, 30 ft. N. and 35 ft. W. from junction of rd. W., in concrete post; standard tablet stamped "T T 631 C W A 1934" --	38 17 11.8	93 46 41.3	2,637
T. 41 N., R. 26 W., quarter cor. between secs. 34 and 35, junction of rd. E. -----	38 17 39.59	93 46 40.13	2,812
T. 41 N., R. 26 W., cor. secs. 26, 27, 34, and 35, crossroad -----	38 18 05.5	93 46 38.8	2,619
T. 41 N., R. 26 W., quarter cor. between secs. 26 and 27, highway at fences E. and W. -----	38 18 31.7	93 46 37.7	2,650
Grand River, center of bridge over -----	38 18 57.7	93 46 36.7	2,639
Clinton, 2 mi. S. of, 24 ft. N. and 50 ft. W. from highway at fence W., in concrete post; standard tablet stamped "T T 632 C W A 1934" --	38 19 43.2	93 46 34.1	4,606
Highway at fence W. -----	38 20 22.01	93 46 33.71	3,924
T. 41 N., R. 26 W., cor. secs. 10, 11, 14, and 15, junction of rd. W. at hedge fence E. -----	38 20 36.0	93 46 32.5	1,417
Clinton, intersection of South Second Street and West Rogers Avenue -----	38 21 08.5	93 46 31.2	3,290
T T 625 C W A 1934 (previously described) -----	38 21 34.5	93 46 27.7	2,648
Clinton, intersection of North Third and East Green Streets -----	38 22 00.32	93 46 26.87	2,610
Missouri-Kansas-Texas R.R. at highway crossing --	38 22 18.9	93 46 19.8	1,961
Highway at transmission-line pole in triangle formed by junction of State Highway 35 -----	38 22 37.1	93 46 18.9	1,843
Highway at fences E. and W. -----	38 23 00.5	93 46 17.9	2,367
Highway at fences E. and W. -----	38 23 45.2	93 46 13.2	4,535
Clinton, 3 mi. N. of, 56 ft. E. of entrance to Land School, 54 ft. W. of highway, in concrete post; standard tablet stamped "T T 626 C W A 1934" -----	38 23 58.1	93 46 04.5	1,480
T. 42 N., R. 26 W., quarter cor. between secs. 23 and 26, crossroad -----	38 24 27.03	93 45 51.90	3,096
Highway at fence W. near center sec. 23, T. 42 N., R. 26 W. -----	38 24 37.1	93 45 50.5	1,021
Crossroad on line between secs. 14 and 23, T. 42 N., R. 26 W. -----	38 25 03.3	93 45 49.1	2,654
Highway at fences E. and W. -----	38 25 29.2	93 45 38.0	2,768
Junction of rd. E. at fence W. -----	38 26 07.8	93 45 19.8	4,165
Junction of rd. W. -----	38 26 33.9	93 45 13.2	2,688
T. 42 N., R. 26 W., in SW 1/4 sec. 1, 6.3 mi. N. of Clinton, 5 ft. S. and 40 ft. E. from highway at fence E., in concrete post; standard tablet stamped "T T 627 C W A 1934" --	38 26 47.0	93 45 12.8	1,323
T. 43 N., R. 26 W., S. cor. secs. 35 and 36, highway at fences E. and W. -----	38 27 16.15	93 45 11.32	2,953
T. 43 N., R. 26 W., quarter cor. between secs. 35 and 36, highway at fences E. and W. -----	38 27 35.1	93 45 15.5	1,942
T. 43 N., R. 26 W., quarter cor. between secs. 25 and 26, crossroad -----	38 28 01.2	93 45 14.6	2,642
Highway at fences E. and W. -----	38 28 53.3	93 45 12.9	5,280
Crossroad -----	38 29 21.0	93 45 12.1	2,800
2124 C W A 1934 (In Holden quadrangle; see line 3.) -----	38 29 45.5	93 45 24.4	2,665
	38 30 12.16	93 45 30.61	2,741

5. FROM POINT 1 MILE SOUTH AND 0.5 MILE WEST FROM DEEPWATER, WEST ALONG STATE HIGHWAY 52 TO MONTROSE (by C. D. Craig in 1934)

T T 630 C W A 1934 (previously described) -----	38 15 01.26	93 46 45.18	.....
T. 40 N., R. 26 W., quarter cor. between secs. 15 and 22, highway at fences N. and S. -----	38 15 01.8	93 47 18.3	2,640
T. 40 N., R. 26 W., cor. secs. 15, 16, 21, and 22, crossroad -----	38 15 02.7	93 47 50.9	2,608

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 40 N., R. 26 W., quarter cor. between secs. 16 and 21, highway at fences N. and S. -----	38 15 03.8	93 48 24.3	2,666
T. 40 N., R. 26 W., cor. secs. 16, 17, 20, and 21, highway at fence N. -----	38 15 05.0	93 48 57.1	2,617
Highway at fence S., 20 ft. N. of quarter cor. between secs. 17 and 20, T. 40 N., R. 26 W. ---	38 15 06.3	93 49 30.0	2,634
Deepwater, 1 mi. S., thence 3.5 mi. W. from, 26 ft. S. and 570 ft. W. from junction of rd. N., in concrete post; standard tablet stamped "T T 637 C W A 1934" -----	38 15 06.93	93 50 10.30	3,212
T. 40 N., R. 26 W., quarter cor. between secs. 18 and 19, highway at fences N. and S. -----	38 15 08.1	93 50 36.2	2,073
T. 40 N., Rs. 26 and 27 W., cor. secs. 13, 16, 19, and 24, crossroad -----	38 15 08.9	93 51 08.3	2,556
Highway at fences N. and S. -----	38 15 09.6	93 51 41.8	2,680
T. 40 N., R. 27 W., cor. secs. 13, 14, 23, and 24, crossroad -----	38 15 10.3	93 52 15.4	2,680
Highway at fence N. -----	38 15 11.5	93 52 48.7	2,661
Montrose, 5 mi. E. of, 30 ft. N. and 30 ft. E. from crossroad, in concrete post; standard tablet stamped "T T 638 C W A 1934" -----	38 15 13.10	93 53 21.61	2,628
Highway at fence N. -----	38 15 13.6	93 53 54.8	2,650
T. 40 N., R. 27 W., cor. secs. 15, 16, 21, and 22, crossroad -----	38 15 14.4	93 54 27.9	2,640
Highway at fences N. and S. -----	38 15 15.1	93 55 01.0	2,640
T. 40 N., R. 27 W., cor. secs. 16, 17, 20, and 21, junction of rd. S. -----	38 15 16.1	93 55 33.9	2,631
T. 40 N., R. 27 W., quarter cor. between secs. 18 and 19, junction of rd. N. at fence S. -----	38 15 17.0	93 56 07.0	2,640
Montrose, 2 mi. E. of, 30 ft. S. and 37 ft. E. from junction of rd. S., in concrete post; standard tablet stamped "T T 639 C W A 1934" --	38 15 17.6	93 56 39.7	2,606
Highway at fence S. -----	38 15 18.8	93 57 13.4	2,691
T. 40 N., Rs. 27 and 28 W., cor. secs. 13, 16, 19, and 24, crossroad -----	38 15 19.4	93 57 45.9	2,600
Highway at fence S. -----	38 15 20.3	93 58 19.4	2,670
T T 615 C W A 1934 (previously described) -----	38 15 20.96	93 58 53.23	2,701

6. FROM URICH QUADRANGLE SOUTHEAST ALONG STATE HIGHWAY 35 TO CLINTON  
(fourth-order traverse by State Highway Department in 1934)  
(Continued from Urich quadrangle; see line 8.)

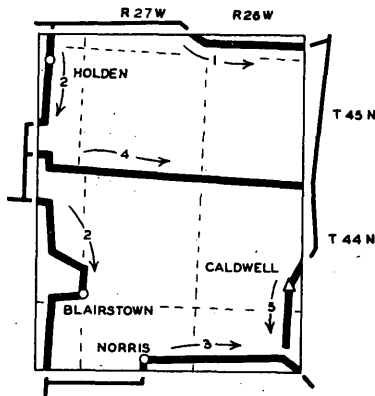
T T 619 C W A 1934 (previously described) -----	38 27 50.65	93 59 38.41	(2,584)
Halwell Creek, center of culvert over -----	38 27 50.7	93 59 07.8	2,437
T. 43 N., R. 28 W., S. cor. secs. 35 and 36, highway at fence N., 1,185 ft. W. of N. cor. secs. 1 and 2, T. 42 N., R. 28 W. -----	38 27 49.9	93 58 31.3	2,900
Crossroad on line between secs. 1 and 12, T. 42 N., R. 28 W. -----	38 27 29.9	93 57 59.0	3,277
Junction of private E.-W. drive -----	38 27 03.7	93 57 37.5	3,161
Crossroad on line between secs. 13 and 16, T. 42 N., Rs. 27 and 28 W. -----	38 26 35.4	93 57 13.6	3,435
Lienweber Creek, center of culvert over -----	38 26 25.0	93 56 51.0	2,087
Highway at fences N. and S. on line between secs. 17 and 18, T. 42 N., R. 27 W. -----	38 26 08.4	93 56 11.6	3,560
Junction of private drive S. -----	38 25 54.5	93 55 38.7	2,969
T. 42 N., R. 27 W., cor. secs. 16, 17, 20, and 21, stone at T-rd. N., 50 ft. S. of highway ---	38 25 42.2	93 55 05.7	2,907
T. 42 N., R. 27 W., quarter cor. between secs. 16 and 21, stone beneath surface of rd., 10 ft. N. of highway at fence S. -----	38 25 41.7	93 54 32.8	2,625
Big Creek, center of bridge over overflow channel of -----	38 25 41.3	93 54 18.5	1,141
Big Creek, E. end of bridge over overflow channel of -----	38 25 40.8	93 53 43.3	2,801
T. 42 N., R. 27 W., cor. secs. 14, 15, 22, and 23 -----	38 25 40.3	93 52 53.1	3,994
Junction of private N.-S. drive -----	38 25 22.2	93 52 25.0	2,693
Crossroad -----	38 25 13.3	93 52 09.3	1,540
Crossroad on line between secs. 23 and 24, T. 42 N., R. 27 W. -----	38 25 01.4	93 51 48.3	2,060
Crossroad on line between secs. 24 and 25, T. 42 N., R. 27 W. -----	38 24 46.3	93 51 21.7	2,620
Junction of private N.-S. drive -----	38 24 34.2	93 51 00.3	2,100
Highway at hedge fences N. and S. on line between secs. 25 and 30, T. 42 N., Rs. 26 and 27 W. ---	38 24 25.1	93 50 44.2	1,580
Fields Creek, W. end of bridge over -----	38 23 58.2	93 50 05.7	4,097
T. 42 N., R. 26 W., cor. secs. 29, 30, 31, and 32 -----	38 23 51.3	93 49 44.6	1,825
Highway at fences N. and S. on line between secs. 31 and 32, T. 42 N., R. 26 W. -----	38 23 41.4	93 49 44.7	1,006
Junction of rd. N. -----	38 23 24.2	93 49 12.3	3,111
Highway at hedge fence N. and wire fence S. on line between secs. 32 and 33, T. 42 N., R. 26 W. -----	38 23 23.3	93 48 39.3	2,630
Junction of private N.-S. drive -----	38 23 22.9	93 48 22.9	1,311

Station	Latitude	Longitude	Distance
Junction of rd. N. -----	° ' "	° ' "	Feet
Junction of rd. S. on line between secs. 33 and 34, T. 42 N., R. 26 W. -----	38 23 22.1	93 47 49.4	2,670
Tps. 41 and 42 N., R. 26 W., cor. secs. 3, 4, 33, and 34 -----	38 23 21.7	93 47 32.9	1,312
Crossroad -----	38 22 55.6	93 47 33.9	2,647
Junction of State Highway 13 -----	38 23 18.4	93 46 43.2	4,653
Missouri-Kansas-Texas R.R. at crossing of State Highway 13 (previously described) -----	38 23 00.5	93 46 17.9	2,713
	36 22 37.1	93 46 18.9	2,289

Magnetic declination 7° 50' E.

HOLDEN QUADRANGLE  
(Latitude 38°30'-38°45'; longitude 93°45'-94°00')

Henry and Johnson Counties



1. FROM ODESSA QUADRANGLE AT SEC. 25, T. 46 N., R. 27 W., EAST INTO WINDSOR QUADRANGLE AT SEC. 35, T. 46 N., R. 26 W.  
(by E. L. McNair in 1914)  
(Continued from Odessa quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
T. 46 N., R. 27 W., E. cor. secs. 25 and 36, T-rd. W., 115 ft. N. of rd. corner from N.-E. at W. cor. secs. 30 and 31, T. 46 N., R. 26 W. -----	38 44 59.9	93 50 23.7	(5,437)
T. 46 N., R. 26 W., cor. secs. 29, 30, 31, and 32, crossroads -----	38 44 56.2	93 49 15.8	5,390
T. 46 N., R. 26 W., cor. secs. 28, 29, 32, and 33, crossroads -----	38 44 53.4	93 48 07.7	5,409
T. 46 N., R. 26 W., cor. secs. 27, 28, 33, and 34, rd. at fences N. and S. -----	38 44 51.2	93 47 01.1	5,260
T. 46 N., R. 26 W., cor. secs. 26, 27, 34, and 35, 20 ft. N. and 25 ft. E. from crossroads 5 ft. E. of fence corner; iron post stamped "Prim Trav Sta No 13 1914 Mo" -----	36 44 48.42	93 45 52.45	5,446

(Continued in Windsor quadrangle; see line 1.)

2. FROM ODESSA QUADRANGLE SOUTH ALONG STATE HIGHWAY 131 TO SEC. 10, T. 44 N., R. 28 W., THENCE SOUTH ALONG ROADS BY WAY OF BLAIRSTOWN INTO CLINTON QUADRANGLE AT SEC. 23, T. 43 N., R. 26 W. (by J. P. Anderson in 1934)

Prim Trav Sta No 11 1914 Mo (In Odessa quadrangle; see line 1.) -----	38 45 05.08	93 59 29.27	.....
T. 46 N., R. 28 W., S. sixteenth cor. between secs. 34 and 35, highway at fence E. -----	38 44 38.3	93 59 31.0	2,708
T. 45 N., R. 28 W., approximate quarter cor. between secs. 2 and 3, highway at hedge fence E. -----	38 43 58.5	93 59 32.6	4,030
Main track of Missouri Pacific R.R. at highway crossing -----	38 43 13.6	93 59 35.2	4,541
Holden, intersection of Second and Olive Streets -----	38 43 04.8	93 59 30.9	946

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Holden, spire of Methodist Church (U.S.C. & G.S. triangulation position) -----	38 42 56.24	93 59 23.33	1,000
Holden, in SW. part of, 96 ft. NW. of NW. wing of public school, 145 ft. SW. of standpipe to water tower, 30 ft. N. and 39 ft. E. from intersection of West Tenth and Olive Streets, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 42 38.15	93 59 32.09	1,957
Holden, water tower at -----	38 42 39.5	93 59 31.4	146
T. 45 N., R. 28 W., cor. secs. 14, 15, 22, and 23, junction of rd. W. -----	38 41 45.0	93 59 40.9	5,559
T. 45 N., R. 28 W., quarter cor. between secs. 22 and 23, highway at fences E. and W. -----	38 41 18.4	93 59 42.5	2,698
T. 45 N., R. 28 W., cor. secs. 22, 23, 26, and 27, junction of rd. N. -----	38 40 51.6	93 59 44.0	2,720

(For balance in Garden City quadrangle, see line 4.)

T. 44 N., R. 28 W., quarter cor. between secs. 3 and 10, rd. at fences N. and S. -----	38 37 26.4	93 59 47.5	(2,611)
T. 44 N., R. 28 W., cor. secs. 2, 3, 10, and 11, crossroads -----	38 37 25.7	93 59 44.0	2,665
T. 44 N., R. 28 W., quarter cor. between secs. 10 and 11, T-rd. E. -----	38 36 59.5	93 59 15.0	2,654
T. 44 N., R. 28 W., cor. secs. 10, 11, 14, and 15, rd. at fence E. -----	38 36 33.5	93 59 16.0	2,636
T. 44 N., R. 28 W., S. sixteenth cor. between secs. 14 and 15, rd. at fence E. -----	38 35 54.2	93 59 17.2	3,969
T. 44 N., R. 28 W., quarter cor. between secs. 22 and 23, 37 ft. N. and 43 ft. E. from T-rd. N., 21 ft. S. 35° W. of SW. corner of Star School No. 4, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 35 15.37	93 59 19.08	3,939
T. 44 N., R. 28 W., E. sixteenth cor. sec. 23, rd. corner -----	38 35 13.9	93 56 29.7	3,924
T. 44 N., R. 28 W., E. sixteenth cor. between secs. 23 and 26, rd. corner -----	38 34 47.8	93 56 30.7	2,642
T. 44 N., R. 28 W., quarter cor. between secs. 24 and 25, T-rd. S. -----	38 34 46.5	93 57 41.2	3,931
T. 44 N., R. 28 W., center sec. 25, 36 ft. S. and 19 ft. W. from rd. at fence E., 14 ft. S. and 6 ft. W. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 34 20.30	93 57 42.19	2,651
Blairstown, intersection of Second and Main Streets -----	38 33 20.9	93 57 37.1	6,125
Big Creek, center of bridge over -----	38 33 15.6	93 57 55.5	1,554
T. 44 N., R. 28 W., S. sixteenth cor. sec. 35, rd. corner -----	38 33 20.5	93 56 51.2	4,451
T. 43 N., R. 28 W., W. sixteenth cor. on N. line sec. 2, T-rd. S. -----	38 33 04.2	93 59 09.8	2,210
T. 43 N., R. 28 W., W. sixteenth cor. sec. 2, rd. at fence E. -----	38 32 38.6	93 59 11.0	2,600
T. 43 N., R. 28 W., W. sixteenth cor. between secs. 2 and 11, 155 ft. S. and 53 ft. W. from junction of rd. W., 87 ft. S. of SE. corner of Brushy School, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 32 11.02	93 59 12.64	2,787
T. 43 N., R. 28 W., W. sixteenth cor. between secs. 11 and 14, crossroads -----	38 31 20.3	93 59 13.6	5,138
T. 43 N., R. 28 W., center of SW 1/4 sec. 14, rd. corner -----	38 30 41.0	93 59 14.9	3,970
T. 43 N., R. 28 W., cor. secs. 14, 15, 22, and 23, rd. at fences E. and W. -----	38 30 28.0	93 59 32.1	1,898

(Continued in Clinton quadrangle; see line 1.)

3. FROM CLINTON QUADRANGLE AT SEC. 22, T. 43 N., R. 27 W., NORTH TO NORRIS, THENCE EAST AND SOUTH INTO CALHOUN QUADRANGLE AT SEC. 23, T. 43 N., R. 26 W. (by S. T. Tudor in 1934)

(Continued from Clinton quadrangle; see line 1.)

Norris, about 0.8 mi. SE. of, center sec. 15, T. 43 N., R. 27 W., 39 ft. S. and 28 ft. W. from T-rd. S., 19 ft. S. and 7 ft. W. from right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 30 46.49	93 53 29.72	(5,502)
Norris, crossroads at -----	38 31 13.2	93 53 42.5	2,890
Petersburg, 1 mi. W. of, cor. secs. 11, 12, 13, and 14, T. 43 N., R. 27 W., 35 ft. N. and 35 ft. W. from crossroads, 7 ft. NW. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 31 11.27	93 51 46.86	9,193
T. 43 N., R. 27 W., approximate E. cor. secs. 12 and 13, T-rd. N. -----	38 31 09.3	93 50 39.7	5,343



Station	Latitude	Longitude	Distance
T-rd. N. -----	° ' "	° ' "	Feet
T. 43 N., R. 26 W., about 0.4 mi. W. of cor. secs. 8, 9, 16, and 17, about 250 ft. E. of bridge over small creek, 42 ft. N. of rd., 12 ft. N. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 31 08.0	93 49 42.7	4,531
T. 43 N., R. 26 W., cor. secs. 8, 9, 16, and 17, T-rd. S. -----	38 31 07.59	93 48 51.74	4,050
T. 43 N., R. 26 W., E. sixteenth cor. between secs. 9 and 16, T-rd. N. -----	38 31 06.7	93 48 28.6	1,845
T. 43 N., R. 26 W., quarter cor. between secs. 10 and 15, rd. at fence N. -----	38 31 06.0	93 47 39.1	3,931
T. 43 N., R. 26 W., W. sixteenth cor. between secs. 11 and 14, crossroads -----	38 31 05.5	93 46 49.2	3,970
T. 43 N., R. 26 W., approximate quarter cor. between secs. 11 and 14, junction of County Route M and State Highway 13 -----	38 31 04.7	93 45 59.0	3,990
T. 43 N., R. 26 W., E. sixteenth cor. between secs. 14 and 23, 25 ft. N. and 245 ft. W. from, 55 ft. NE. of State Highway 13, 5 ft. NE. of right-of-way fence, in concrete post; standard tablet stamped "2124 C W A 1934" -----	38 31 04.4	93 45 42.8	1,285
	36 30 12.16	93 45 30.61	5,374
(Continued in Calhoun quadrangle; see line 1.)			

4. FROM GARDEN CITY QUADRANGLE AT SEC. 34, T. 45 N., R. 28 W., EAST INTO WINDSOR QUADRANGLE AT CORNELIA (by G. E. Gregory in 1934)  
(Continued from Garden City quadrangle; see line 6.)

T. 45 N., R. 28 W., quarter cor. between secs. 34 and 35, rd. at hedge fences N. and S. -----	36 39 31.6	93 59 48.9	(2,690)
T. 45 N., R. 28 W., center sec. 35, T-rd. W. -----	36 39 30.2	93 59 15.4	2,660
T. 45 N., R. 28 W., S. quarter cor. sec. 35, stone -----	36 39 03.7	93 59 16.7	2,690
Crossroads -----	36 38 44.1	93 59 11.4	2,025
Crossroads -----	36 38 43.7	93 58 50.4	1,670
T. 44 N., R. 28 W., 43 ft. E. of line between secs. 1 and 2, 50 ft. E. of E. face of Wagner dwelling, 23 ft. N. of rd., on land of Ed. Huges, in concrete post; standard tablet stamped "236" -----	38 38 55.70	93 58 03.30	3,930
T-rd. N. -----	38 38 54.5	93 57 35.2	2,235
T. 44 N., Rs. 27 and 28 W., N. cor. secs. 1 and 6, T-rd. S., 257 ft. E. of T-rd. N. at S. quarter cor. sec. 31, T. 45 N., R. 27 W. -----	38 38 58.5	93 56 56.8	3,080
T. 45 N., R. 27 W., S. cor. secs. 31 and 32, T-rd. N. -----	38 38 57.6	93 56 26.1	2,430
T. 44 N., R. 27 W., N. cor. secs. 5 and 6, T-rd. S., 200 ft. W. of hedge fence at S. quarter cor. sec. 32, T. 45 N., R. 27 W. -----	38 38 56.5	93 55 55.2	2,460
T. 45 N., R. 27 W., S. cor. secs. 32 and 33, rd. at hedge fence N. -----	38 38 55.4	93 55 19.4	2,850
Magnolia, 0.5 mi. N. of, N. cor. secs. 4 and 5, T. 44 N., R. 27 W., 30 ft. S. and 31 ft. E. from T-rd. S., in concrete post; standard tablet stamped "237" -----	38 38 54.29	93 54 49.05	2,410
T. 45 N., R. 27 W., S. cor. secs. 33 and 34, rd. at fence N. -----	38 38 53.4	93 54 11.1	3,020
T. 44 N., R. 27 W., N. cor. secs. 3 and 4, T-rd. S. -----	38 38 52.6	93 53 41.3	2,360
T. 45 N., R. 27 W., S. cor. secs. 34 and 35, junction of abandoned rd. N. -----	38 38 51.3	93 52 58.9	3,370
T. 44 N., R. 27 W., N. cor. secs. 2 and 3, T-rd. S. -----	38 38 50.6	93 52 36.2	1,605
Center of bridge -----	38 38 49.7	93 52 04.2	2,546
T. 44 N., R. 27 W., N. cor. secs. 1 and 2 -----	38 38 48.8	93 51 31.4	2,600
Rd. at fence N. -----	38 38 48.1	93 51 01.7	2,350
T. 45 N., Rs. 26 and 27 W., S. cor. secs. 31 and 36, 30 ft. S. and 78 ft. W. from T-rd. N., 30 ft. S. and 212 ft. E. from rd. at fence S., in concrete post; standard tablet stamped "238" -----	38 38 47.27	93 50 44.02	1,410
T. 44 N., R. 26 W., N. quarter cor. sec. 6, rd. at hedge fence S., 240 ft. W. of rd. at fence N. at E. sixteenth cor. on S. line sec. 31, T. 45 N., R. 26 W. -----	38 38 46.1	93 49 55.2	3,875
T. 45 N., R. 26 W., S. cor. secs. 31 and 32, rd. at fence N. -----	38 38 45.7	93 49 38.6	1,320
Center of bridge -----	38 38 45.1	93 49 15.0	1,870
Center of bridge -----	38 38 44.8	93 48 50.7	1,930
T. 44 N., R. 26 W., N. quarter cor. sec. 4 -----	38 38 41.9	93 47 36.6	5,880
T. 45 N., R. 26 W., S. cor. secs. 33 and 34, 23 ft. S. and 30 ft. W. from, 60 ft. N. and 35 ft. W. from NW. corner of dwelling of George M. Granger, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "239" -----	38 38 41.41	93 47 15.86	1,650

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 45 N., R. 26 W., E. sixteenth cor. on S. line sec. 34, T-rd. N. -----	38 38 40.1	93 46 28.7	3,740
Center of bridge -----	38 38 39.2	93 45 55.9	2,610
T-rd. N. -----	38 38 37.6	93 45 03.9	4,125
T T 272 C W A 1934 (In Windsor quadrangle; see line 2.) -----	38 38 33.69	93 44 21.43	3,395

## 5. FROM WINDSOR QUADRANGLE SOUTH ALONG STATE HIGHWAY 13 TO SEC. 23,

T. 43 N., R. 26 W. (by C. E. Wyrick in 1934)

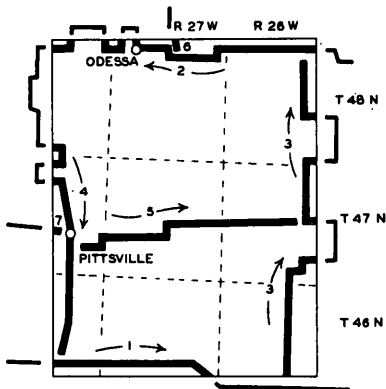
(Continued from Windsor quadrangle; see line 2.)

T. 44 N., R. 26 W., cor. secs. 23, 24, 25, and 26, junction of rd. W. -----	38 34 33.0	93 45 02.4	(5,460)
T. 44 N., R. 26 W., quarter cor. between secs. 25 and 26, crossroad -----	38 34 07.1	93 45 03.3	2,624
Caldwell triangulation sta.; U.S.C. & G.S. standard disk stamped "Caldwell" -----	38 34 05.47	93 45 22.47	1,531
Crossroad on Henry-Johnson county line -----	38 33 41.4	93 45 34.6	2,617
Highway at fences E. and W. -----	38 33 15.5	93 45 38.3	2,639
Tps. 43 and 44 N., R. 26 W., quarter cor. between secs. 2 and 35, crossroad -----	38 32 49.4	93 45 39.2	2,643
Highway at fence W. -----	38 32 22.6	93 45 40.1	2,708
T. 43 N., R. 26 W., quarter cor. between secs. 2 and 11, junction of rd. W. -----	38 31 56.6	93 45 41.0	2,630
Crossroad -----	38 31 30.6	93 45 41.9	2,631
Highway at fences E. and W. -----	38 30 38.2	93 45 43.6	5,302
2124 C W A 1934 (previously described) -----	38 30 12.16	93 45 30.61	2,833

Magnetic declination 7° 55' E.

ODESSA QUADRANGLE  
(Latitude 38°45'-39°00'; longitude 93°45'-94°00')

Johnson and Lafayette Counties

1. FROM LONEJACK QUADRANGLE AT SEC. 34, T. 46 N., R. 28 W., EAST INTO  
HOLDEN QUADRANGLE AT SEC. 25, T. 46 N., R. 27 W. (by E. L. McNair  
in 1914)

(Continued from Lonejack quadrangle; see line 3.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 46 N., R. 28 W., N. sixteenth cor. between secs. 34 and 35, 45 ft. N. and 25 ft. E. from T-rd. W. and lane E., 5 ft. E. of fence corner, inside fence; iron post stamped "Prim Trav Sta No 11 1914 Mo" -----	38 45 05.08	93 59 29.27	(3,022)
T-rd. E. -----	38 45 30.8	93 59 27.9	2,618
Crossroads in S½ sec. 26, T. 46 N., R. 28 W. -----	38 45 29.3	93 58 54.3	2,670
T-rd. W. -----	38 45 25.6	93 58 20.5	2,706
T-rd. S. -----	38 45 26.5	93 57 28.9	4,084
T-rd. S. on line between secs. 25 and 30, T. 46 N., Rs. 27 and 28 W. -----	38 45 25.9	93 57 11.6	1,370
T-rd. W. -----	38 45 11.0	93 56 20.7	4,307

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 46 N., R. 27 W., quarter cor. between secs. 29 and 32, T-rd. E. -----	38 45 09.1	93 55 29.9	4,036
T-rd. N. -----	38 45 06.4	93 53 56.2	7,422
T. 46 N., R. 27 W., on line between secs. 27 and 34, at rd. corner from S.-W. produced, 20 ft. N. of rd. E., 4 ft. N. and 2 ft. W. from fence corner; iron post stamped "Prim Trav Sta No 12 1914 Mo" -----	38 45 05.67	93 53 30.65	2,029
T. 46 N., R. 27 W., cor. secs. 26, 27, 34, and 35, crossroads -----	38 45 03.8	93 52 39.7	4,045
T. 46 N., R. 27 W., cor. secs. 25, 26, 35, and 36, T-rd. N. -----	38 45 01.6	93 51 32.3	5,340

(Continued in Holden quadrangle; see line 1.)

2. FROM KNOBOSTER QUADRANGLE AT SEC. 35, T. 48 N., R. 26 W., WEST INTO LONEJACK QUADRANGLE AT SEC. 4, T. 47 N., R. 28 W. (by E. L. McNair in 1914)

(Continued from Knoboster quadrangle; see line 2.)

T. 48 N., R. 26 W., N. cor. secs. 2 and 3, 25 ft. N. and 11 ft. E. from T-rd. S.; iron post designated "Prim Trav Sta No 19 1914 Mo" -----	38 59 38.21	93 45 31.21	(5,294)
Tps. 48 and 49 N., R. 26 W., approximate quarter cor. between secs. 3 and 34, crossroads -----	38 59 39.0	93 46 04.6	2,639
T. 48 N., R. 26 W., N. cor. secs. 3 and 4, T-rd. S. -----	38 59 39.9	93 46 38.6	2,684
T-rd. N. -----	38 59 41.4	93 47 28.6	3,955
Tps. 48 and 49 N., R. 26 W., approximate cor. secs. 5, 6, 31, and 32, T-rd. S. -----	38 59 43.8	93 48 52.6	6,630
Tps. 48 and 49 N., Rs. 26 and 27 W., cor. of, T-rd. E. -----	38 59 45.9	93 49 55.8	4,999
T-rd. E. -----	38 59 34.2	93 50 59.8	5,189
T-rd. S. -----	38 59 21.4	93 51 02.3	1,319
Center of bridge over creek in $\frac{1}{2}$ sec. 2, T. 48 N., R. 27 W. -----	38 59 22.2	93 51 30.2	2,199
T. 48 N., R. 27 W., in $\frac{1}{2}$ sec. 3, 15 ft. N. of T-rd. S., 3 ft. S. of water-oak tree in fence line; iron post stamped "Prim Trav Sta No 21 1914 Mo" -----	38 59 24.62	93 52 26.56	4,460
T-rd. E. -----	38 59 24.3	93 53 13.5	3,706
T-rd. W. -----	38 59 39.3	93 53 16.9	1,540
Davis Creek, center of small bridge over -----	38 59 42.3	93 54 39.0	6,489
T-rd. S., 0.7 mi. W. of bridge over Davis Creek -----	38 59 44.4	93 55 26.0	3,716
T-rd. W. at Odessa Cemetery -----	38 59 57.6	93 55 31.9	1,421

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

Odessa, Alton R.R. at sta., about 900 ft. SW. of street crossing -----	38 59 57.3	93 57 20.9	(3,821)
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(For balance in Lexington quadrangle, see line 1.)

T. 47 N., R. 28 W., quarter cor. between secs. 3 and 4, rd. corner -----	38 59 38.6	93 59 56.9	(3,515)
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(Continued in Lonejack quadrangle; see line 1.)

3. FROM HOLDEN QUADRANGLE AT SEC. 27, T. 46 N., R. 26 W., NORTH TO SEC. 3, T. 48 N., R. 26 W. (by E. L. McNair in 1914)

Prim Trav Sta No 13 1914 Mo (In Holden quadrangle; see line 1.) -----	38 44 48.42	93 45 52.45	.....
T. 46 N., R. 26 W., quarter cor. between secs. 26 and 27, T-rd. E. -----	38 45 14.3	93 45 51.2	2,622
Post Oak Creek, center of bridge over -----	38 45 39.1	93 46 07.0	2,807
T. 46 N., R. 26 W., quarter cor. between secs. 15 and 22, T-rd. S. -----	38 46 33.9	93 46 21.3	5,659
T. 46 N., R. 26 W., E. sixteenth cor. between secs. 10 and 15, T-rd. W. -----	38 47 25.1	93 46 01.1	5,420
Blackwater Creek, center of bridge over -----	38 48 06.3	93 46 03.0	4,174
T. 46 N., R. 26 W., N. quarter cor. sec. 3, T-rd. S. -----	38 49 15.4	93 46 13.4	7,036

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

T. 47 N., R. 26 W., W. sixteenth cor. between secs. 14 and 23, crossroads -----	38 51 50.9	93 45 13.5	(4,074)
T-rd. E. -----	38 52 38.2	93 45 10.5	4,789
Fayetteville, opposite church, 295 ft. N. of main crossroads, 25 ft. E. of rd., 6 ft. W. of picket fence, 8 ft. S. of telephone pole; iron post stamped "Prim Trav Sta No 20 1914 Mo" -----	38 52 55.22	93 45 21.47	1,936

Station	Latitude	Longitude	Distance
T-rd. S. -----	° ' "	° ' "	Feet
T-rd. S. -----	38 53 23.1	93 45 26.3	2,850
T. 47 N., R. 26 W., N. cor. secs. 2 and 3, rd. corner from S.-E. -----	38 53 36.5	93 45 34.0	1,487
	38 54 22.6	93 45 20.9	4,778
(For balance in Knobnoster quadrangle, see line 1.)			
T. 48 N., R. 26 W., quarter cor. between secs. 14 and 23, crossroads -----	38 56 59.3	93 45 02.5	(5,943)
T. 48 N., R. 26 W., cor. secs. 14, 15, 22, and 23, T-rd. N. -----	38 56 59.8	93 45 35.7	2,624
T. 48 N., R. 26 W., cor. secs. 10, 11, 14, and 15 -----	38 57 52.3	93 45 34.0	5,306
Davis Creek, center of bridge over -----	38 58 34.4	93 45 33.1	4,258
T. 48 N., R. 26 W., quarter cor. between secs. 2 and 3, T-rd. E. -----	38 59 10.9	93 45 32.2	3,496
Prim Trav Sta No 19 1914 Mo (previously de- scribed) -----	38 59 38.21	93 45 31.21	2,773

4. FROM LONEJACK QUADRANGLE AT SEC. 34, T. 48 N., R. 28 W., SOUTH TO  
SEC. 34, T. 46 N., R. 28 W. (by E. L. McNair in 1914)  
(Continued from Lonejack quadrangle; see line 1.)

T-rd. E. near church -----	38 55 19.8	93 59 53.8	(2,680)
(For balance in Lonejack quadrangle, see line 1.)			
Crossroads, 2.6 mi. N. of Pittsville -----	38 53 16.5	93 59 51.2	(6,828)
T. 47 N., R. 28 W., W. sixteenth cor. between secs. 15 and 22, 23 ft. S. of T-rd. N., 5 ft. S. of hedge row; iron post stamped "Prim Trav Sta No 23 1914 Mo" -----	38 52 23.33	93 59 54.40	5,390
Pittsville, point in line with rds. N. and E. at crossroads, 35 ft. S. of rd. W., 35 ft. W. of rd. S. -----	38 51 02.7	93 59 24.8	8,460
T-rd. W. on line between secs. 27 and 34, T. 47 N., R. 28 W. -----	38 50 36.5	93 59 26.5	2,649
T-rd. W. -----	38 49 56.9	93 59 28.8	4,009
Rd. at line between secs. 3 and 34, Tps. 46 and 47 N., R. 28 W. -----	38 49 43.6	93 59 29.6	1,350
T-rd. E. -----	38 49 06.0	93 59 33.0	3,808
Crossroads on line between secs. 10 and 15, T. 46 N., R. 28 W. -----	38 47 56.6	93 59 36.7	7,034
T-rd. E. -----	38 47 30.1	93 59 38.2	2,679
T-rd. W. on line between secs. 15 and 22, T. 46 N., R. 28 W. -----	38 47 03.5	93 59 39.9	2,689
Prim Trav Sta No 11 1914 Mo (previously de- scribed) -----	38 45 05.08	93 59 29.27	12,030

5. FROM SEC. 27, T. 47 N., R. 28 W., EAST TO SEC. 23, T. 47 N., R. 26 W.  
(by E. L. McNair in 1914)

T. 47 N., R. 28 W., quarter cor. between secs. 26 and 27, rd. at fences N. and S. -----	38 51 02.2	93 59 08.2	.....
T. 47 N., R. 28 W., quarter cor. between secs. 25 and 26, T-rd. W. -----	38 50 59.9	93 58 00.2	5,379
T. 47 N., R. 28 W., cor. secs. 23, 24, 25, and 26, stone -----	38 51 26.3	93 57 58.8	2,674
T. 47 N., R. 27 W., W. cor. secs. 19 and 30, point in line with rd. E., 30 ft. S. of point in line with rd. W. at E. cor. secs. 24 and 25, T. 46 N., R. 28 W. -----	38 51 25.0	93 56 50.1	5,440
T. 47 N., R. 27 W., cor. secs. 19, 20, 29, and 30, crossroads -----	38 51 22.4	93 55 43.9	5,244
T-rd. S. -----	38 51 19.7	93 54 52.9	4,040
North Fork of Blackwater River, center of bridge over -----	38 51 17.3	93 53 58.4	4,317
Columbus, T-rd. W. at -----	38 51 23.8	93 53 27.4	2,540
T. 47 N., R. 27 W., cor. secs. 15, 16, 21, and 22, T-rd. E. -----	38 52 09.9	93 53 24.1	4,670
T. 47 N., R. 27 W., cor. secs. 14, 15, 22, and 23, T-rd. N. -----	38 52 07.6	93 52 15.4	5,435
T. 47 N., R. 27 W., quarter cor. between secs. 14 and 23, 20 ft. S. and 20 ft. E. from cross- roads, 2 ft. N. and 6 ft. E. from fence corner; iron post stamped "Prim Trav Sta No 24 1914 Mo" -----	38 52 07.17	93 51 41.52	2,681
T. 47 N., R. 27 W., probable cor. secs. 13, 14, 23, and 24, rd. corner near church and schoolhouse -----	38 52 05.7	93 51 08.2	2,635
T. 47 N., R. 27 W., E. cor. secs. 13 and 24, T-rd. W. -----	38 52 06.3	93 49 59.2	5,461
T. 47 N., R. 26 W., cor. secs. 17, 18, 19, and 20, junction of abandoned rd. S. -----	38 52 00.2	93 48 53.6	5,224

\*In August 1936 it was reported by R. W. Mattox that this tablet was reset 8 ft. S. and 20 ft. E. from its original location. The description and coordinates given refer to the new position.

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
T. 47 N., R. 26 W., cor. secs. 16, 17, 20, and 21 -----	38 51 57.5	93 47 45.8	5,373
T. 47 N., R. 26 W., cor. secs. 15, 16, 21, and 22, T-rd. N. -----	38 51 54.5	93 46 38.0	5,371
T. 47 N., R. 26 W., probable cor. secs. 14, 15, 22, and 23, near rd. corner from N.-E. -----	38 51 51.4	93 45 30.2	5,368

6. FROM LEXINGTON QUADRANGLE AT SEC. 34, T. 49 N., R. 27 W., SOUTH TO SEC. 3, T. 48 N., R. 27 W. (by W. V. Kennedy in 1934)  
(Continued from Lexington quadrangle; see line 4.)

T. 49 N., R. 27 W., S. cor. secs. 33 and 34, rd. at fence W. -----	38 59 52.4	93 53 16.5	(2,647)
T-rd. E. near quarter cor. between secs. 3 and 4, T. 48 N., R. 27 W. -----	38 59 24.4	93 53 13.4	2,839
Prim Trav Sta No 21 1914 Mo. (previously described) -----	38 59 24.62	93 52 26.56	3,701

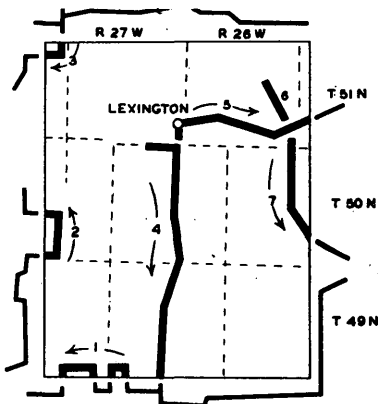
7. FROM LONEJACK QUADRANGLE EAST ALONG U.S. HIGHWAY 50 TO PITTSVILLE, THENCE NORTH ALONG ROADS TO SEC. 22, T. 47 N., R. 28 W.  
(fourth-order traverse by State Highway Department in 1934)  
(Continued from Lonejack quadrangle; see line 14.)

Center of bridge -----	38 51 04.0	93 59 53.9	(3,080)
Pittsville, crossroad at -----	38 51 02.8	93 59 24.9	2,300
Rd. at fences E. and W. on line between secs. 22 and 27, T. 47 N., R. 28 W. -----	38 51 29.1	93 59 23.4	2,660
Prim Trav Sta No 23 1914 Mo. (previously described) -----	38 52 23.33	93 59 54.40	6,010

Magnetic declination 8° 24' E.

LEXINGTON QUADRANGLE  
(Latitude 39°00'–39°15'; longitude 93°45'–94°00')

Carroll, Lafayette, and Ray Counties



1. FROM ODESSA QUADRANGLE AT ODESSA WEST INTO ODESSA QUADRANGLE AT SEC. 3, T. 47 N., R. 28 W. (by E. L. McNair in 1914)  
(Continued from Odessa quadrangle; see line 2.)

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
Odessa, Main Street at N.-S. rd. crossing, about 0.6 mi. E. of Second Street, 200 ft. N. of cor. Tps. 48 and 49 N., Rs. 27 and 28 W. -----	39 00 02.0	93 56 32.8	(4,837)
(For balance in Odessa quadrangle, see line 2.)			
T-rd. N. -----	39 00 02.8	93 57 56.8	(2,888)
(For balance in Odessa quadrangle, see line 2.)			
T. 48 N., R. 28 W., N. quarter cor. sec. 3, T-rd. N. -----	39 00 05.4	93 59 20.3	(6,599)

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
Alton R.R. at rd. crossing -----	39 00 05.6	93 59 28.9	680

(Continued in Odessa quadrangle; see line 2.)

2. FROM ORRICK QUADRANGLE AT SEC. 33, T. 50 N., R. 28 W., NORTH INTO ORRICK QUADRANGLE AT SEC. 21, T. 50 N., R. 28 W. (by W. R. Broadus in 1932)

(Continued from Orrick quadrangle; see line 4.)

Rd. at top of hill -----	39 06 51.3	93 59 49.8	(5,616)
Crossroads -----	39 07 18.6	93 59 48.7	2,765
U.S. Highway 24 at rd. S. -----	39 07 54.1	93 59 43.9	3,607

(Continued in Orrick quadrangle; see line 4.)

3. FROM RICHMOND QUADRANGLE SOUTHWEST ALONG COUNTY ROUTE E INTO ORRICK QUADRANGLE (by W. R. Broadus in 1932)

(Continued from Richmond quadrangle; see line 2.)

Junction of rd. N. -----	39 14 54.9	93 59 13.4	(2,605)
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(Continued in Orrick quadrangle; see line 7.)

4. FROM SEC. 5, T. 50 N., R. 27 W., EAST TO SEC. 3, T. 50 N., R. 27 W., THENCE SOUTH INTO ODESSA QUADRANGLE AT SEC. 34, T. 49 N., R. 27 W. (by W. V. Kennedy in 1934)

O'Dell triangulation sta. of M.R.C. -----*	39 09 48.64	93 54 08.31	.....
T. 50 N., R. 27 W., W. sixteenth cor. between secs. 4 and 9, rd. at fence N. -----	39 09 27.1	93 53 43.1	2,948
Spur line of Missouri Pacific R.R. at rd. crossing -----	39 09 26.9	93 53 13.2	2,360
T. 50 N., R. 27 W., cor. secs. 3, 4, 9, and 10, State Highway 13 at rd. W. -----	39 09 26.6	93 52 52.4	1,635
Lexington, 3 mi. S. of, along State Highway 13, 14 ft. N. and 29 ft. W. from iron pipe at quarter cor. between secs. 9 and 10, T. 50 N., R. 27 W., 26 ft. N. and 30 ft. W. from T-rd. W., in concrete post; standard tablet stamped "492 C W A 1934" -----	39 09 00.62	93 52 54.06	2,633
T. 50 N., R. 27 W., cor. secs. 9, 10, 15, and 16, rd. at fence E., 70 ft. N. of E-rd. W. -----	39 08 34.3	93 52 55.0	2,660
T-rd. N., 50 ft. E. of spur line of Missouri Pacific R.R. at rd. crossing -----	39 08 08.2	93 53 07.4	2,819
T. 50 N., R. 27 W., cor. secs. 15, 16, 21, and 22, crossroads -----	39 07 41.9	93 52 57.6	2,769
T. 50 N., R. 27 W., quarter cor. between secs. 21 and 22, crossroads, 170 ft. S. of spur line of Missouri Pacific R.R. at rd. crossing -----	39 07 16.0	93 52 58.8	2,621
T. 50 N., R. 27 W., cor. secs. 21, 22, 27, and 28, rd. at fences E. and W. -----	39 06 50.3	93 52 59.8	2,601
T. 50 N., R. 27 W., quarter cor. between secs. 27 and 28, 39 ft. N. and 29 ft. E. from T-rd. E., 10 ft. N. and 7 ft. E. from telegraph pole, in concrete post; standard tablet stamped "493 C W A 1934" -----	39 06 24.90	93 53 00.78	2,574
Rd. at fences E. and W. on line between secs. 27 and 34, T. 50 N., R. 27 W. -----	39 05 58.4	93 52 58.0	2,686
Rd. at fences E. and W. on line through center sec. 34, T. 50 N., R. 27 W. -----	39 05 32.5	93 52 59.3	2,627
T-rd. W. on line between secs. 3 and 34, Tps. 49 and 50 N., R. 27 W. -----	39 05 06.7	93 53 02.2	2,616
Rd. at fence W. on line through center sec. 3, T. 49 N., R. 27 W. -----	39 04 39.8	93 53 02.9	2,730
Rd. at hedge fence E. on line between secs. 4 and 9, T. 49 N., R. 27 W. -----	39 04 13.9	93 53 09.7	2,666
T-rd. E. -----	39 03 59.0	93 53 14.3	1,549
T. 49 N., R. 27 W., in NW 1/4 SE 1/4 sec. 9, 420 ft. N. of T-rd. W., 22 ft. N. and 138 ft. W. from NW corner of porch of farmhouse of A. W. Bertz, 21 ft. W. of rd., in concrete post; standard tablet stamped "494 C W A 1934" -----	39 03 42.90	93 53 23.13	1,777
Rd. at fence W. on line between secs. 9 and 16, T. 49 N., R. 27 W. -----	39 03 22.1	93 53 23.8	2,108
Rd. at fences E. and W. on line through center sec. 16, T. 49 N., R. 27 W. -----	39 02 55.8	93 53 17.5	2,710
T. 49 N., R. 27 W., cor. secs. 15, 16, 21, and 22, T-rd. E. -----	39 02 29.6	93 53 09.0	2,729
T. 49 N., R. 27 W., quarter cor. between secs. 21 and 22, crossroads -----	39 02 03.3	93 53 10.3	2,665
T. 49 N., R. 27 W., cor. secs. 21, 22, 27, and 28, rd. at fence E., 250 ft. S. of bridge over Alton R.R. -----	39 01 37.2	93 53 11.5	2,641

\*Missouri River Commission.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 49 N., R. 27 W., quarter cor. between secs. 27 and 28, 1 mi. N. of U.S. Highway 40, 106 ft. S. and 81 ft. E. from SE. corner of Centerview School, 24 ft. S. and 22 ft. E. from crossroads, in concrete post; standard tablet stamped "495 C W A 1934" -----	39 01 10.79	93 53 12.62	2,674
T. 49 N., R. 27 W., cor. secs. 27, 28, 33, and 34, rd. at fences E. and W. -----	39 00 44.8	93 53 14.5	2,631
T. 49 N., R. 27 W., quarter cor. between secs. 33 and 34, U.S. Highway 40 at crossroad -----	39 00 18.6	93 53 15.9	2,660

(Continued in Odessa quadrangle; see line 6.)

5. FROM SEC. 3, T. 50 N., R. 27 W., NORTH ALONG STATE HIGHWAY 13 TO LEXINGTON, THENCE EAST ALONG U.S. HIGHWAY 24 INTO HIGGINSVILLE QUADRANGLE (by W. V. Kennedy in 1934)

State Highway 13 at rd. W. (previously described) -----	39 09 26.6	93 52 52.4	.....
Highway at fences E. and W. on line through center sec. 3, T. 50 N., R. 27 W. -----	39 09 52.7	93 52 46.0	2,693
Junction of rd. W. -----	39 10 09.0	93 52 37.8	1,768
Lexington, at S. limits of, highway at Twentieth Street -----	39 10 26.4	93 52 26.1	1,986
Lexington, main track of Missouri Pacific R.R. at Twentieth Street crossing -----	39 10 46.5	93 52 17.7	2,143
Lexington, 65 ft. S. and 22 ft. E. from intersection of Twentieth and Franklin Streets, 25 ft. N. and 36 ft. W. from NW. corner of Arnold School, 4 ft. E. of sidewalk, in concrete post; standard tablet stamped "1003 C W A 1934" -----	39 11 02.67	93 52 16.84	1,635
Lexington, highway at Twenty-third Street -----	39 11 06.5	93 52 03.3	1,139
Highway at hedge fences N. and S. on line between secs. 34 and 35, T. 51 N., R. 27 W. ---	39 11 05.9	93 51 45.4	1,410
Junction of rd. S. -----	39 11 08.3	93 51 17.5	2,210
T. 51 N., R. 27 W., cor. secs. 25, 26, 35, and 36, junction of rd. N. -----	39 11 07.4	93 50 34.5	3,383
T. 51 N., R. 27 W., quarter cor. between secs. 25 and 36, junction of rd. S. -----	39 11 06.5	93 50 01.4	2,610
Lexington, 2.5 mi. E. of, about 375 ft. S. of Hicklin School, 41 ft. N. and 21 ft. E. from junction of rd. N., in concrete post; standard tablet stamped "1004 C W A 1934" -----	39 11 01.69	93 49 28.08	2,668
Highway at fences N. and S. on probable line through center of E½ sec. 31, T. 51 N., R. 26 W. -----	39 10 56.3	93 48 45.1	3,428
Junction of rd. S. about 550 ft. S. of cor. secs. 29, 30, 31, and 32, T. 51 N., R. 26 W. --	39 10 57.7	93 48 26.4	1,479
Junction of rd. S. -----	39 10 46.9	93 47 50.5	3,028
Junction of rd. S. on line between secs. 32 and 33, T. 51 N., R. 26 W. -----	39 10 46.7	93 47 20.1	2,399
Highway at hedge fences N. and S. on line through center sec. 33, T. 51 N., R. 26 W. -----	39 10 43.2	93 46 46.8	2,641
Highway at fence N. on probable line between secs. 33 and 34, T. 51 N., R. 26 W. -----	39 10 52.5	93 46 11.3	2,951
T. 51 N., R. 26 W., in NW 1/4 NW 1/4 sec. 34, 57 ft. S. and 44 ft. W. from Slusher School, 51 ft. N. and 30 ft. E. from junction of rd. N., 22 ft. N. and 60 ft. W. from junction of rd. S., in concrete post; standard tablet stamped "1005 C W A 1934" -----	39 10 57.28	93 45 56.54	1,259
Junction of rd. N., 20 ft. W. of junction of rd. S. -----	39 11 06.6	93 45 21.9	2,891

(Continued in Higginsville quadrangle; see line 5.)

6. FROM SEC. 34, T. 51 N., R. 26 W., NORTH TO SEC. 21, T. 51 N., R. 26 W. (by W. V. Kennedy in 1934)

1005 C W A 1934 (previously described) -----	39 10 57.28	93 45 56.54	.....
T. 51 N., R. 26 W., quarter cor. between secs. 27 and 28, rd. at fence E. -----	39 11 25.2	93 46 11.6	3,066
T. 51 N., R. 26 W., cor. secs. 21, 22, 27, and 28, T-fence E. -----	39 11 51.4	93 46 10.2	2,649
Sheep's Nose triangulation sta. of M.R.C. -----*	39 12 03.79	93 46 10.25	1,255

7. FROM SEC. 34, T. 51 N., R. 26 W., SOUTH TO SEC. 15, T. 50 N., R. 26 W., THENCE SOUTHEAST ALONG STATE HIGHWAY 13 INTO HIGGINSVILLE QUADRANGLE (by W. V. Kennedy in 1934)

1005 C W A 1934 (previously described) -----	39 10 57.28	93 45 56.54	.....
Rd. at fences E. and W. -----	39 10 44.0	93 45 20.8	3,122

\*Missouri River Commission.

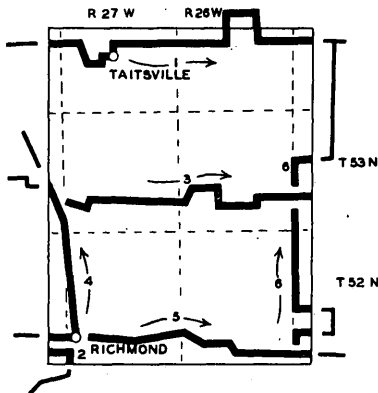
Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 51 N., R. 26 W., E. sixteenth cor. sec. 34, rd. at fence E. -----	39 10 32.0	93 45 22.7	1,224
T. 51 N., R. 26 W., E. sixteenth cor. on S. line sec. 34, rd. N. at E.-W. fence, 33 ft. E. of rd. S. at E.-W. fence at E. sixteenth cor. on N. line sec. 3, T. 50 N., R. 26 W. -----	39 10 06.1	93 45 23.6	2,620
T. 50 N., R. 26 W., E. sixteenth cor. sec. 3, T-rd. N. -----	39 09 40.8	93 45 24.9	2,566
T. 50 N., R. 26 W., W. sixteenth cor. sec. 3, 5 ft. S. and 20 ft. W. from T-rd. E., 2 ft. W. of fence, in concrete post; standard tablet stamped "1007 C W A 1934" -----	39 09 41.37	93 45 59.19	2,702
T. 50 N., R. 26 W., W. sixteenth cor. between secs. 3 and 10, stone in rd. at entrance to farmhouse of J. A. Johnston -----	39 09 15.4	93 46 00.4	2,634
T. 50 N., R. 26 W., W. sixteenth cor. sec. 10, crossroads -----	39 08 49.1	93 46 00.8	2,655
T. 50 N., R. 26 W., W. sixteenth cor. between secs. 10 and 15, rd. at 36-in. oak tree and fence W. -----	39 08 23.0	93 46 01.4	2,645
T. 50 N., R. 26 W., W. sixteenth cor. sec. 15, rd. at hedge fence E. -----	39 07 56.8	93 46 02.0	2,654
T. 50 N., R. 26 W., in SW 1/4 sec. 15, 340 ft. N. of bridge over Tabo Creek, 31 ft. W. of State Highway 13 at rd. E., in concrete post; standard tablet stamped "1008 C W A 1934" -----	39 07 34.95 39 07 12.3	93 45 49.07 93 45 38.2	2,429 2,445
Highway at fences N. and S. -----			
Crossroad on line through center of E 1/2 sec. 22, T. 50 N., R. 26 W. -----	39 06 55.5	93 45 30.4	1,809
Highway at fence E. on line between secs. 22 and 27, T. 50 N., R. 26 W. -----	39 06 37.1	93 45 21.9	1,980
Crossroad, 140 ft. W. of quarter cor. between secs. 26 and 27, T. 50 N., R. 26 W. -----	39 06 10.7	93 45 17.0	2,701

(Continued in Higginsville quadrangle; see line 6.)

Magnetic declination 7° 29' E.

RICHMOND QUADRANGLE  
(Latitude 39°15'-39°30'; longitude 93°45'-94°00')

Carroll and Ray Counties



1. FROM LAWSON QUADRANGLE AT SEC. 13, T. 54 N., R. 28 W., EAST INTO  
NORBORNE QUADRANGLE AT SEC. 18, T. 54 N., R. 25 W., INCLUDING THAT  
PART OF THE LINE IN BRAYMER QUADRANGLE (by J. L. Sanders in 1921)\*  
(Continued from Lawson quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 54 N., Rs. 27 and 28 W., 130 ft. S. of cor. secs. 7, 12, 13, and 18, 1 mi. N. and 1.5 mi. W. from Taittsville; iron post stamped "Prim Trav Sta No 40 S 1921 Mo" -----	39 29 43.16	93 59 05.94	(5,149)

\*Line 3 of Braymer quadrangle includes a portion of this line (see Bull. 916-D).



Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 54 N., R. 27 W., quarter cor. between secs. 18 and 19 -----	39 28 53.8	93 58 30.2	5,723
T. 54 N., R. 27 W., cor. secs. 17, 18, 19, and 20, T-rd. N. -----	39 28 54.2	93 57 55.6	2,720
Taittsville School, rd. fork S. at -----	39 28 54.2	93 57 28.8	2,100
T. 54 N., R. 27 W., quarter cor. between secs. 16 and 17 -----	39 29 18.7	93 56 47.5	4,085
T. 54 N., R. 27 W., cor. secs. 8, 9, 16, and 17 -----	39 29 47.5	93 56 47.4	2,920
T. 54 N., R. 27 W., quarter cor. between secs. 9 and 16 -----	39 29 47.9	93 56 13.0	2,700
T. 54 N., R. 27 W., cor. secs. 9, 10, 15, and 16-Georgeville, in NE 1/4 sec. 15, T. 54 N., R. 27 W., at NE corner of general store; iron post stamped "Prim Trav Sta No 41 S 1921 Mo" -----	39 29 48.3	93 55 39.2	2,650
T. 54 N., R. 27 W., cor. secs. 11, 12, 13, and 14, crossroads -----	39 29 45.29	93 54 30.69	5,384
T. 54 N., Rs. 26 and 27 W., cor. secs. 7, 12, 13, and 18, crossroads -----	39 29 46.7	93 53 20.6	5,497
T. 54 N., R. 26 W., quarter cor. between secs. 7 and 16 -----	39 29 48.4	93 52 10.4	5,510
T. 54 N., R. 26 W., cor. secs. 7, 8, 17, and 18 - T-rd. S. -----	39 29 48.1	93 51 38.7	2,490
T. 54 N., R. 26 W., cor. secs. 4, 5, 8, and 9, T-rd. N. -----	39 29 47.9	93 51 05.6	2,598
T. 54 N., R. 26 W., cor. secs. 4, 5, 8, and 9, T-rd. N. -----	39 29 49.0	93 50 16.9	3,827
T. 54 N., R. 26 W., cor. secs. 3, 4, 9, and 10, T-rd. N. -----	39 30 39.3	93 49 59.4	5,271
Tinney Grove, center sec. 10, T. 54 N., R. 26 W., 20 ft. N. and 20 ft. W. from T-rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 42 S 1921 Mo" -----	39 30 38.4	93 48 53.0	5,208
T. 54 N., R. 26 W., cor. secs. 10, 11, 14, and 15, T-rd. S. -----	39 30 15.58	93 48 19.21	3,513
T. 54 N., R. 26 W., cor. secs. 11, 12, 13, and 14, crossroads -----	39 29 46.2	93 47 45.3	3,983
T. 54 N., Rs. 25 and 26 W., cor. secs. 7, 12, 13, and 18, crossroads on Carroll-Ray county line - Prim Trav Sta No 43 S 1921 Mo (In Norborne quadrangle; see line 5.) -----	39 29 44.6	93 46 37.9	5,288
	39 29 42.6	93 45 31.7	5,198
	39 29 43.76	93 44 21.89	5,484

2. FROM LAWSON QUADRANGLE AT SEC. 2, T. 51 N., R. 28 W., EAST ABOUT 1 MILE, THENCE SOUTHWEST ALONG COUNTY ROUTE E INTO LEXINGTON QUADRANGLE (by W. R. Broadus in 1932)

(Continued from Lawson quadrangle; see line 2.)

T. 51 N., R. 26 W., E. sixteenth cor. sec. 1, 23 ft. N. and 38 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 284 B 1932" -----	39 15 20.64	93 59 12.02	(6,351)
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(Continued in Lexington quadrangle; see line 3.)

3. FROM LAWSON QUADRANGLE AT SEC. 24, T. 53 N., R. 28 W., EAST INTO NORBORNE QUADRANGLE AT SEC. 19, T. 53 N., R. 25 W. (by W. V. Kennedy in 1934)

(Continued from Lawson quadrangle; see line 4.)

State Highway 13 at E-W. crossroad on line between secs. 24 and 25, T. 53 N., R. 28 W. ---	39 22 45.8	93 59 51.2	(1,424)
T. 53 N., R. 28 W., in SE 1/4 sec. 25, about 0.5 mi. N. of Dockery, 31 ft. N. and 35 ft. E. from State Highway 13 at rd. E., 13 ft. N. and 4 ft. W. from fence corner, in concrete post; standard tablet stamped "459 C W A 1934" -----	39 22 03.56	93 59 31.72	4,538
T-rd. W., 30 ft. S. of T-rd. E. -----	39 22 06.7	93 59 02.7	2,298
Cottonwood Creek, center of bridge over -----	39 22 06.6	93 58 48.9	1,089
T-rd. W. -----	39 22 08.6	93 58 12.6	2,856
T. 53 N., R. 27 W., center of SW 1/4 sec. 29, rd. at fence S. -----	39 22 06.8	93 57 37.0	2,800
T. 53 N., R. 27 W., center sec. 29, rd. at fences E. and W. and abandoned rd. E. -----	39 22 20.3	93 57 20.3	1,887
T. 53 N., R. 27 W., 412 ft. W. of quarter cor. between secs. 28 and 29, 17 ft. N. and 5 ft. W. from junction of private rd. S. to farmhouse of W. S. Etherton, 2 ft. N. of fence, in concrete post; standard tablet stamped "460 C W A 1934" -----	39 22 20.68	93 56 51.60	2,256
T. 53 N., R. 27 W., center sec. 28, rd. at fences N. and S. -----	39 22 21.4	93 56 12.4	3,077
T. 53 N., R. 27 W., quarter cor. between secs. 27 and 28, stone in rd. at fence S. and hedge N. -----	39 22 22.2	93 55 38.4	2,670
T. 53 N., R. 27 W., center sec. 27, rd. at fence N. -----	39 22 22.4	93 55 03.8	2,720
T. 53 N., R. 27 W., quarter cor. between secs. 26 and 27, crossroads, 50 ft. N. and 215 ft. E. from center of bridge over Crooked River -----	39 22 22.4	93 54 29.2	2,721

Station	Latitude	Longitude	Distance
T. 53 N., R. 27 W., center sec. 26, T-rd. N. ----	39 22 22.4	93 53 55.6	Feet 2,639
T. 53 N., R. 27 W., quarter cor. between secs. 25 and 26, 21 ft. N. and 52 ft. W. from rd. at fence S., 77 ft. S. and 51 ft. E. from SE. corner of farmhouse of Earle Miller, in concrete post; standard tablet stamped "461 C W A 1934" -----	39 22 22.43	93 53 22.58	2,590
Rd. at fences N. and S. on line through center of E. sec. 25, T. 53 N., R. 27 W. -----	39 22 24.5	93 52 29.8	4,148
T. 53 N., R. 26 W., W. quarter cor. sec. 30, rd. at fence E., 72 ft. S. of T-rd. W. at E. quarter cor. sec. 25, T. 53 N., R. 27 W. ---	39 22 24.8	93 52 12.6	1,357
T. 53 N., R. 27 W., E. cor. secs. 24 and 25, rd. at fence W. -----	39 22 51.6	93 52 12.3	2,706
T. 53 N., R. 26 W., W. quarter cor. sec. 19, T-rd. E., 31 ft. S. of E. quarter cor. sec. 24, T. 53 N., R. 27 W. -----	39 23 18.1	93 52 12.0	2,685
T. 53 N., R. 26 W., center sec. 19, rd. at fences N. and S. -----	39 23 17.6	93 51 38.6	2,621
T. 53 N., R. 26 W., quarter cor. between secs. 19 and 20, rd. at fences N. and S. -----	39 23 17.2	93 51 05.0	2,640
T. 53 N., R. 26 W., center sec. 20, 38 ft. S. and 265 ft. W. from rd. corner from N.-W., 38 ft. S. and 25 ft. E. from T-rd. S., 2 ft. from fence, in concrete post; standard tablet stamped "462 C W A 1934" -----	39 23 16.46	93 50 34.74	2,376
T. 53 N., R. 26 W., probable W. sixteenth cor. between secs. 20 and 29, rd. at fence W. -----	39 22 50.8	93 50 47.9	2,790
T. 53 N., R. 26 W., W. sixteenth cor. sec. 29, T-rd. E. -----	39 22 24.7	93 50 48.2	2,646
T. 53 N., R. 26 W., center sec. 29, rd. at fence N. -----	39 22 25.2	93 50 31.5	1,313
T. 53 N., R. 26 W., quarter cor. between secs. 28 and 29, stone in rd. at fence N. -----	39 22 24.6	93 49 57.6	2,659
Rd. fork NW. -----	39 22 19.0	93 49 35.4	1,839
T. 53 N., R. 26 W., near quarter cor. between secs. 27 and 28, 2.5 mi. S. of Russellville Junction along County Route A, 3 ft. S. and 28 ft. E. from junction of rd. W., 2 ft. W. of fence, in concrete post; standard tablet stamped "463 C W A 1934" -----	39 22 17.56	93 48 51.21	3,473
T. 53 N., R. 26 W., probable center sec. 27, rd. at hedge fence S. -----	39 22 23.6	93 48 17.7	2,700
T. 53 N., R. 26 W., quarter cor. between secs. 26 and 27, T-rd. W. -----	39 22 22.8	93 47 44.6	2,603
T. 53 N., R. 26 W., approximate cor. secs. 22, 23, 26, and 27, T-rd. E. -----	39 22 48.9	93 47 44.6	2,636
T. 53 N., R. 26 W., approximate quarter cor. between secs. 23 and 26, crossroads -----	39 22 48.4	93 47 09.9	2,729
T. 53 N., R. 26 W., cor. secs. 23, 24, 25, and 26, 21 ft. N. and 30 ft. E. from T-rd. N. and hedge fence S., near fence corner, in concrete post; standard tablet stamped "464 C W A 1934" -----	39 22 47.93	93 46 37.13	2,570
T. 53 N., R. 26 W., quarter cor. between secs. 24 and 25, rd. at hedge fences N. and S.- Crossroads on Carroll-Ray county line, 6 ft. S. of limestone rock at W. cor. secs. 19 and 30, T. 53 N., R. 25 W., 12 ft. S. of E. cor. secs. 24 and 25, T. 53 N., R. 26 W. -----	39 22 47.3	93 46 04.4	2,570
	39 22 47.0	93 45 31.4	2,590

(Continued in Norborne quadrangle; see line 1.)

4. FROM LAWSON QUADRANGLE EAST ALONG STATE HIGHWAY 10 TO RICHMOND, THENCE  
NORTH ALONG STATE HIGHWAY 13 INTO LAWSON QUADRANGLE  
(by W. V. Kennedy in 1934)

(Continued from Lawson quadrangle; see line 6.)

Junction of rd. N. -----	39 16 43.4	93 59 50.5	(2,471)
Richmond, at W. limits of, highway at crossing of old spur track of Standard Oil Company -----	39 16 42.9	93 59 12.4	2,996
Atchison, Topeka & Santa Fe Ry. at highway crossing -----	39 16 42.3	93 58 54.1	1,440
Richmond, at SE. corner of square, 47 ft. N. and 52 ft. W. from intersection of Thornton and Main Streets, 5 ft. N. of concrete walk to courthouse, in concrete post; standard tablet stamped "1025 C W A 1934" -----	39 16 43.00	93 58 35.54	1,461
Atchison, Topeka & Santa Fe Ry. at North Thornton Street crossing -----	39 17 00.5	93 58 35.0	1,776
Junction of rd. W. -----	39 17 21.7	93 58 30.5	2,172
T. 52 N., R. 27 W., probable quarter cor. between secs. 19 and 30, highway at hedge fence E. -----	39 17 33.7	93 58 26.1	1,258
Junction of rd. E. at fence W. on line through center sec. 19, T. 52 N., R. 27 W. -----	39 17 59.7	93 58 26.3	2,633

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 52 N., R. 27 W., W. sixteenth cor. between secs. 18 and 19, junction of rd. W. at fence E. -----	39 18 25.7	93 58 41.8	2,901
T. 52 N., R. 27 W., W. sixteenth cor. sec. 18, highway at fences E. and W. -----	39 18 51.4	93 58 42.4	2,598
T. 52 N., R. 27 W., W. sixteenth cor. between secs. 7 and 18, junction of rd. W. produced ---	39 19 15.8	93 58 41.3	2,474
T. 52 N., R. 27 W., W. sixteenth cor. sec. 7, 27 ft. S. and 47 ft. E. from State Highway 13 at rd. W., 24 ft. W. of telephone pole, in concrete post; standard tablet stamped "1026 C W A 1934" * -----	39 19 43.45	93 58 44.70	2,809
T. 52 N., R. 27 W., W. sixteenth cor. between secs. 6 and 7, highway at fences E. and W. ----	39 20 09.9	93 58 49.3	2,699
Junction of rd. E. and private rd. W. on line through center sec. 6, T. 52 N., R. 27 W. -----	39 20 36.2	93 58 53.2	2,680
Junction of rd. E. and private rd. W., 114 ft. E. of cor. secs. 1, 6, 31, and 36, Tps. 52 and 53 N., Rs. 27 and 28 W. (by local information) -	39 21 00.5	93 59 00.0	2,519
Highway at fences E. and W. on line through center sec. 36, T. 53 N., R. 28 W. -----	39 21 26.7	93 59 10.2	2,769
Junction of rd. W. at fence E. on line between secs. 25 and 36, T. 53 N., R. 28 W. -----	39 21 53.2	93 59 24.7	2,909
459 C W A 1934 (previously described) -----	39 22 03.56	93 59 31.72	1,184
T. 53 N., R. 28 W., probable center sec. 25, highway at fences E. and W. -----	39 22 19.6	93 59 37.1	1,675
Crossroad (previously described) -----	39 22 45.7	93 59 51.3	2,871
Highway at fences E. and W. on line through center sec. 24, T. 53 N., R. 28 W. -----	39 23 12.1	93 59 50.6	2,674

(Continued in Lawson quadrangle; see line 7.)

5. FROM RICHMOND EAST ALONG STATE HIGHWAY 10 INTO NORBORNE QUADRANGLE  
(by W. V. Kennedy in 1934)

1025 C W A 1934 (previously described) -----	39 16 43.00	93 58 35.54	.....
Richmond, intersection of East Main and Cunningham Streets -----	39 16 41.0	93 58 16.8	1,488
Richmond, at E. limits of, junction of State Highway 13 -----	39 16 41.7	93 57 36.0	3,209
T. 52 N., R. 27 W., E. sixteenth cor. between secs. 29 and 32, highway at hedge fences N. and S. -----	39 16 42.4	93 57 02.0	2,670
T. 52 N., R. 27 W., cor. secs. 28, 29, 32, and 33, junction of rd. S. -----	39 16 42.8	93 56 45.0	1,340
Junction of rd. N. -----	39 16 37.1	93 55 38.7	5,241
Richmond, 2.5 mi. E. of, in NW 1/4 sec. 34, T. 52 N., R. 27 W., 38 ft. N. and 47 ft. E. from NE. corner of Hill School, in yard, 89 ft. S. and 60 ft. W. from crossroad, in concrete post; standard tablet stamped "1029 C W A 1934" * -----	39 16 36.33	93 55 21.64	1,347
Junction of rd. S. -----	39 16 44.9	93 54 37.3	3,593
T. 52 N., R. 27 W., cor. secs. 25, 26, 35, and 36, crossroad -----	39 16 46.4	93 53 24.0	5,770
Bridge over drain -----	39 16 47.1	93 52 52.0	2,510
T. 52 N., Rs. 26 and 27 W., near cor. secs. 25, 30, 31, and 36, 95 ft. N. and 35 ft. E. from crossroad, 95 ft. N. and 99 ft. E. from highway bridge, in concrete post; standard tablet stamped "1030 C W A 1934" -----	39 16 48.70	93 52 16.38	2,809
Crooked River, center of bridge over -----	39 16 30.6	93 51 40.2	3,379
Junction of rd. S. at fence N. on line between secs. 31 and 32, T. 52 N., R. 26 W. -----	39 16 21.9	93 51 06.5	2,794
Junction of County Route A -----	39 16 21.4	93 50 33.0	2,611
Highway at fence N. -----	39 16 27.3	93 49 59.6	2,688
Rd. corner from N.-W. near center sec. 33, T. 52 N., R. 26 W. -----	39 16 33.5	93 49 25.9	2,723
Highway at R.R. spur-track crossing -----	39 16 21.3	93 49 20.0	1,314
Hardin, about 0.6 mi. E. of, 135 ft. S. of SW. corner of farmhouse of Ed Summer, 35 ft. S. of highway, 2 ft. from fence, in concrete post; standard tablet stamped "1031 C W A 1934" -----	39 15 53.07	93 48 40.85	4,198
T. 51 N., R. 26 W., N. quarter cor. sec. 3, highway at fence S. -----	39 15 53.0	93 48 19.5	1,679
Tps. 51 and 52 N., R. 26 W., approximate cor. secs. 2, 3, 34, and 35, crossroad -----	39 15 52.5	93 47 45.9	2,640
T. 52 N., R. 26 W., S. quarter cor. sec. 35, highway at fence N. -----	39 15 52.1	93 47 12.5	2,629
T. 52 N., R. 26 W., S. cor. secs. 35 and 36, highway at fence N. -----	39 15 51.7	93 46 38.3	2,690

\*In August 1936, it was reported by B. A. Barnes that this tablet was destroyed.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Tps. 51 and 52 N., Rs. 25 and 26 W., cor. of, 30 ft. N. and 40 ft. E. from State Highway 10 at crossroad on Carroll-Ray county line, 1 1/4 ft. E. of double telegraph poles, in concrete post; standard tablet stamped "1032 C W A 1934" -----	39 15 51.47	93 45 30.88	5,304

(Continued in Norborne quadrangle; see line 4.)

6. FROM SEC. 6, T. 51 N., R. 25 W., NORTH INTO NORBORNE QUADRANGLE AT  
SEC. 7, T. 53 N., R. 25 W. (by W. V. Kennedy in 1934)

1032 C W A 1934 (previously described) -----	39 15 51.47	93 45 30.88	.....
T. 52 N., Rs. 25 and 26 W., quarter cor. between secs. 31 and 36, T-rd. W. at drain E. -----	39 16 17.3	93 45 31.4	2,617
T. 52 N., R. 25 W., W. cor. secs. 30 and 31, rd. corner from S.-E. -----	39 16 42.8	93 45 31.4	2,577
T. 52 N., R. 25 W., W. sixteenth cor. between secs. 30 and 31, T-rd. N. -----	39 16 42.7	93 45 14.3	1,345
Wabash Ry. at rd. crossing -----	39 17 13.9	93 45 13.8	3,160
Center of bridge over drainage ditch -----	39 17 49.2	93 45 13.9	3,572
Center of bridge over drainage ditch -----	39 18 26.3	93 45 14.0	3,753
T. 52 N., R. 25 W., in SW 1/4 sec. 18, about 0.2 mi. E. of Carroll-Ray county line, 32 ft. N. and 3 ft. E. from T-rd. S., 86 ft. N. and 37 ft. E. from NE. corner of farmhouse of H. B. Bocherding, in concrete post; standard tablet stamped "1036 C W A 1934" -----	39 18 46.13	93 45 14.04	2,015

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

T. 52 N., R. 25 W., W. sixteenth cor. between secs. 7 and 18, rd. at fence S. -----	39 19 18.5	93 45 13.9	(2,025)
T. 52 N., R. 26 W., E. cor. secs. 12 and 13, T-rd. W., 55 ft. N. of rd. corner from E.-N. at W. cor. secs. 7 and 18, T. 52 N., R. 25 W. -----	39 19 18.8	93 45 31.4	1,381
T. 52 N., R. 25 W., W. quarter cor. sec. 7, rd. at fence E., 41 ft. S. of fence W. at E. quarter cor. sec. 12, T. 52 N., R. 26 W. -----	39 19 44.5	93 45 31.6	2,605
T. 52 N., Rs. 25 and 26 W., cor. secs. 1, 6, 7, and 12, crossroads on Carroll-Ray county line -	39 20 11.0	93 45 31.7	2,675
T. 52 N., R. 25 W., W. quarter cor. sec. 6, rd. at fence E. -----	39 20 37.0	93 45 31.7	2,630
Tps. 52 and 53 N., Rs. 25 and 26 W., cor. of, on Carroll-Ray county line, 42 ft. S. and 26 ft. W. from T-rd. E., 20 ft. S. and 1 1/4 ft. W. from SW. corner of headwall of concrete culvert, 1 1/4 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "1037 C W A 1934" -----	39 21 02.72	93 45 31.88	2,606
T. 53 N., Rs. 25 and 26 W., quarter cor. between secs. 31 and 36, rd. at fences E. and W. -----	39 21 29.1	93 45 31.4	2,674
T. 53 N., R. 26 W., E. cor. secs. 25 and 36, T-rd. W., 17 ft. S. of T-rd. E. at W. cor. secs. 30 and 31, T. 53 N., R. 25 W. -----	39 21 55.0	93 45 31.5	2,619
T. 53 N., Rs. 25 and 26 W., quarter cor. between secs. 25 and 30, rd. at fences E. and W. -----	39 22 21.3	93 45 31.4	2,655
Crossroads (previously described) -----	39 22 47.0	93 45 31.4	2,603
Rd. at hedge fences N. and S. (previously de- scribed) -----	39 22 47.3	93 46 04.4	2,590
464 C W A 1934 (previously described) -----	39 22 47.93	93 46 37.13	2,567
Crossroads (previously described) -----	39 22 47.0	93 45 31.4	.....
T. 53 N., Rs. 25 and 26 W., quarter cor. between secs. 19 and 24, rd. at fences E. and W. -----	39 23 13.3	93 45 31.4	2,657
T. 53 N., R. 26 W., E. cor. secs. 13 and 24, rd. at fence W. -----	39 23 39.2	93 45 31.2	2,629
T. 53 N., Rs. 25 and 26 W., S. sixteenth cor. between secs. 13 and 18, on Carroll-Ray county line; 1 1/4 ft. N. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "1038 C W A 1934" -----	39 23 52.45	93 45 31.19	1,339
T. 53 N., Rs. 25 and 26 W., quarter cor. between secs. 13 and 18, rd. at fences E. and W. -----	39 24 05.0	93 45 31.7	1,275
T. 53 N., Rs. 25 and 26 W., cor. secs. 7, 12, 13, and 18, crossroads on Carroll-Ray county line -	39 24 30.8	93 45 31.7	2,607

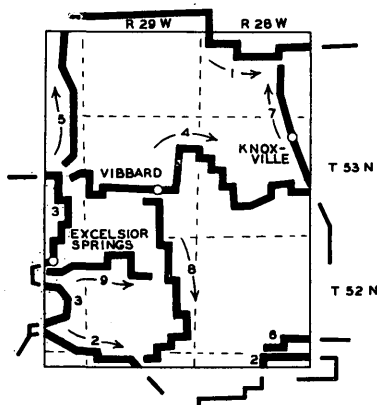
(Continued in Norborne quadrangle; see line 5.)

Magnetic declination 7° 43' E.

\*In 1936 it was reported by B. A. Barnes that this tablet was reset 10 ft. N. and 10 ft. E. from its original location. The description and coordinates given refer to the new position.

LAWSON QUADRANGLE  
(Latitude 39°15'-39°30'; longitude 94°00'-94°15';

Clay, Clinton, and Ray Counties



1. FROM SEC. 2, T. 54 N., R. 30 W., SOUTHEAST INTO RICHMOND QUADRANGLE  
AT SEC. 13, T. 54 N., R. 28 W., INCLUDING PART OF THE LINE IN  
POLO QUADRANGLE (by J. L. Sanders in 1921)\*

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 54 N., R. 30 W., E. sixteenth cor. between secs. 2 and 11, 25 ft. N. and 25 ft. W. from crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 36 S 1921 Mo" -----	39 30 46.50	94 13 56.17	(5,380)
T. 54 N., R. 30 W., cor. secs. 1, 2, 11, and 12 -	39 30 46.4	94 13 38.8	1,375
T. 54 N., R. 30 W., E. cor. secs. 1 and 12, T-rd. W. on Clinton-Ray county line -----	39 30 46.2	94 12 31.7	5,265
T. 54 N., R. 29 W., W. quarter cor. sec. 7, T-rd. E. -----	39 30 20.8	94 12 32.6	2,570
T-rd. S. -----	39 30 20.3	94 11 47.9	3,506
Rd. at line between secs. 8 and 9, T. 54 N., R. 29 W. -----	39 30 19.1	94 11 19.8	6,907
T. 54 N., R. 29 W., W. sixteenth cor. sec. 9, 20 ft. N. and 15 ft. E. from crossroads; iron post stamped "Prim Trav Sta No 37 S 1921 Mo" --	39 30 19.15	94 10 02.93	1,329
Elmira, Baptist Church at -----	39 30 30.0	94 09 19.0	3,611
Elmira, crossroads at center of -----	39 30 25.9	94 09 12.9	633
Elmira, main track of Chicago, Milwaukee, St. Paul and Pacific R.R., 1,005 ft. N. of sta. semaphore signal pole -----	39 30 29.3	94 08 59.6	1,105
Crossroads on line between secs. 10 and 11, T. 54 N., R. 29 W. -----	39 30 30.8	94 08 06.4	4,179
T-rd. W. on line between secs. 11 and 12, T. 54 N., R. 29 W. -----	39 30 30.0	94 06 57.8	5,380
T. 54 N., R. 29 W., 844 ft. N. of cor. secs. 11, 12, 13, and 14; iron post stamped "Prim Trav Sta No 38 S 1921 Mo" -----	39 29 59.59	94 06 57.72	3,067
T. 54 N., R. 29 W., quarter cor. between secs. 12 and 13, T-rd. S. -----	39 29 50.5	94 06 40.8	1,615
T-rd. W. on line between secs. 13 and 18, T. 54 N., Rs. 28 and 29 W. -----	39 29 43.0	94 05 47.8	4,226
T-rd. N. on line between secs. 18 and 19, T. 54 N., R. 28 W. -----	39 28 57.3	94 05 33.0	4,767
T. 54 N., R. 28 W., cor. secs. 17, 18, 19, and 20, at Fair Play School -----	39 28 57.0	94 04 42.3	3,978
T. 54 N., R. 28 W., cor. secs. 16, 17, 20, and 21 -----	39 28 55.6	94 03 35.1	5,272
T-rd. -----	39 28 54.6	94 02 44.0	4,015
T. 54 N., R. 28 W., quarter cor. between secs. 15 and 16, 20 ft. S. and 21 ft. W. from T-rd. W., 158 ft. S. and 94 ft. E. from SE. corner of Bethel Church, 21 ft. W. of T-rd. E.; iron post stamped "Prim Trav Sta No 39 S 1921 Mo" --	39 29 20.36	94 02 26.93	2,936
T-rd. -----	39 29 46.4	94 01 52.0	3,801
T. 54 N., R. 28 W., cor. secs. 10, 11, 14, and 15 -----	39 29 45.9	94 01 18.7	2,618
T. 54 N., R. 28 W., cor. secs. 11, 12, 13, and 14, crossroads -----	39 29 44.7	94 00 11.5	5,273

(Continued in Richmond quadrangle; see line 1.)

\*Line 3 of Polo quadrangle includes a portion of this line (see Bull. 916-D).

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet

2. FROM KEARNEY QUADRANGLE AT SEC. 34, T. 52 N., R. 30 W., EAST INTO RICHMOND QUADRANGLE AT SEC. 2, T. 51 N., R. 28 W. (by W. R. Broadus in 1932)

(Continued from Kearney quadrangle; see line 2.)

Rd. at fences N. and S. on line between secs. 34 and 35, T. 52 N., R. 30 W. -----	39 16 09.9	94 14 57.2	(1,310)
T. 51 N., R. 30 W., center sec. 1, T-rd. W. -----	39 15 30.4	94 13 17.0	8,838
T. 51 N., R. 29 W., W. sixteenth cor. between secs. 6 and 7, 19 ft. S. and 4 ft. W. from iron pin at T-rd. N., in concrete post; standard tablet stamped "T 279 B 1932" -----	39 15 03.72	94 12 25.64	4,855
T. 51 N., R. 29 W., cor. secs. 5, 6, 7, and 8, T-rd. S. -----	39 15 03.7	94 11 33.9	4,067
Junction of lane N. -----	39 15 11.3	94 10 43.4	4,050
Fishing River, center of bridge over -----	39 15 07.8	94 10 13.2	2,394
T. 51 N., R. 29 W., E. sixteenth cor. between secs. 4 and 9, rd. at fences N. and S. on W. side of T-rd. S. -----	39 15 03.6	94 09 36.3	2,933
T. 51 N., R. 29 W., near W. sixteenth cor. between secs. 3 and 10, 42 ft. N. and 26 ft. E. from rd. forks, in fence corner, in concrete post; standard tablet stamped "T 280 B 1932" -----	39 15 03.09	94 09 04.24	2,526

(For balance in Orrick quadrangle; see line 6.)

T. 51 N., R. 28 W., near quarter cor. between secs. 3 and 4, 85 ft. N. and 26 ft. E. from crossroads, in concrete post; standard tablet stamped "T 283 B 1932" -----	39 15 21.28	94 02 18.33	(3,038)
T. 51 N., R. 28 W., center sec. 3, rd. at fences N. and S. -----	39 15 22.4	94 01 45.9	2,553
T-rd. N. -----	39 15 22.3	94 01 31.4	1,140
T-rd. S. -----	39 15 22.1	94 01 02.2	2,300
T-rd. S. -----	39 15 22.0	94 00 32.7	2,318

(Continued in Richmond quadrangle; see line 2.)

3. FROM KEARNEY QUADRANGLE AT SEC. 34, T. 52 N., R. 30 W., NORTH INTO KEARNEY QUADRANGLE AT SEC. 22, T. 53 N., R. 30 W. (by W. V. Kennedy in 1934)

(Continued from Kearney quadrangle; see line 3.)

Junction of private lane NW. -----	39 16 40.4	94 14 58.6	(1,711)
East Fork of Fishing River, center of bridge over -----	39 16 55.2	94 14 38.6	2,174
Rd. corner from W.-N. at fence S. on line through center sec. 26, T. 52 N., R. 30 W. -----	39 17 02.3	94 14 24.0	1,357
T-rd. N. -----	39 17 15.2	94 14 06.9	1,872
Crossroads -----	39 17 15.2	94 13 33.4	2,630
T. 52 N., R. 30 W., 20 ft. E. of cor. secs. 23, 24, 25, and 26, 26 ft. N. and 56 ft. W. from T-rd. W., 12 ft. NE. of telephone pole, in concrete post; standard tablet stamped "438 C W A 1934" -----	39 17 41.39	94 13 50.00	2,949
T-rd. E. -----	39 17 54.4	94 13 50.3	1,320
Rd. at fences E. and W. on line through center of N4 sec. 23, T. 52 N., R. 30 W. -----	39 18 20.7	94 14 04.9	2,894
Rd. forks -----	39 18 54.3	94 14 06.9	3,406
East Fork of Fishing River, center of bridge over -----	39 19 13.0	94 14 22.1	2,237
T. 52 N., R. 30 W., in NW 1/4 sec. 14, at Crescent Hill (? Lake), 25 ft. N. and 61 ft. W. from crossing of electric R.R., 25 ft. NW. of State Highway 10, 2 ft. inside fence, in concrete post; standard tablet stamped "437 C W A 1934" -----	39 19 18.97	94 14 41.51	1,639
T-rd. S. -----	39 19 15.8	94 14 56.3	1,203

(For balance in Kearney quadrangle; see line 3.)

Chicago, Milwaukee, St. Paul and Pacific R.R., center of wooden trestle over -----	39 20 05.4	94 14 56.3	(3,611)
Excelsior Springs, water tower on top of government hospital -----	39 19 59.8	94 13 46.6	5,509
T. 52 N., R. 30 W., cor. secs. 2, 3, 10, and 11, T-rd. W., 136 ft. N. of U.S. Highway 69 at N.-S. crossroad -----	39 20 18.4	94 14 56.0	5,773
T. 52 N., R. 30 W., approximate quarter cor. between secs. 2 and 3, T-rd. S. -----	39 20 44.6	94 14 55.8	2,650
T. 52 N., R. 30 W., W. sixteenth cor. sec. 2, T-rd. N. -----	39 20 44.4	94 14 39.3	1,300

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Tps. 52 and 53 N., R. 30 W., W. sixteenth cor. between secs. 2 and 35, 71 ft. S. and 25 ft. W. from crossroads, 42 ft. S. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "44 C W A 1934" -----	39 21 10.45	94 14 38.92	2,630
Rd. at fence W. on line through center sec. 35, T. 53 N., R. 30 W. -----	39 21 37.7	94 14 37.9	2,760
T-rd. W. on line through center of N $\frac{1}{2}$ sec. 35, T. 53 N., R. 30 W. -----	39 21 49.6	94 14 38.7	1,198
Rd. corner from W.-N. -----	39 22 06.8	94 14 21.6	2,207
Center of bridge over creek -----	39 22 23.3	94 14 16.2	1,714
Rd. corner -----	39 22 30.2	94 14 21.6	816
Linn Creek, center of bridge over -----	39 23 00.1	94 14 35.1	3,210
Greenville, 1.3 mi. E. of, in SW $\frac{1}{4}$ sec. 23, T. 53 N., R. 30 W., 0.8 mi. W. of U.S. Highway 69, 105 ft. N. and 12 ft. E. from rd. forks, under telephone line, in concrete post; standard tablet stamped "439 C W A 1934" -----	39 23 16.19	94 14 38.02	1,641
Rd. forks -----	39 23 22.4	94 14 55.2	1,488

(Continued in Kearney quadrangle; see line 4.)

## 4. FROM SEC. 23, T. 53 N., R. 30 W., EAST INTO RICHMOND QUADRANGLE AT SEC. 24, T. 53 N., R. 28 W. (by W. V. Kennedy in 1934)

439 C W A 1934 (previously described) -----	39 23 16.19	94 14 38.02	.....
Rd. corner from S.-E. -----	39 23 35.4	94 14 19.0	2,449
U.S. Highway 69 at rd. W., 18 ft. N. of junction of rd. E. -----	39 23 36.6	94 13 46.8	2,528
T-rd. N. on line through center sec. 24, T. 53 N., R. 30 W. -----	39 23 37.4	94 13 13.7	2,603
T-rd. E. -----	39 23 25.7	94 12 57.2	1,752
T. 53 N., R. 30 W., E. sixteenth cor. between secs. 24 and 25, rd. at fences E. and W. -----	39 22 55.9	94 12 57.6	3,010
T. 53 N., R. 29 W., in NW $\frac{1}{4}$ sec. 30, 36 ft. N. and 5 ft. E. from T-rd. S. on Clay-Ray county line, 4 ft. E. of fence corner, in concrete post; standard tablet stamped "452 C W A 1934" -----	39 22 42.48	94 12 40.93	1,886
Rd. at hedge N. on line through center sec. 30, T. 53 N., R. 29 W. -----	39 22 41.4	94 12 04.7	2,844
T. 53 N., R. 29 W., E. sixteenth cor. between secs. 19 and 30, T-rd. E. -----	39 22 54.2	94 11 47.6	1,868
T. 53 N., R. 29 W., cor. secs. 19, 20, 29, and 30, rd. at fences N. and S. -----	39 22 54.2	94 11 30.7	1,330
T. 53 N., R. 29 W., quarter cor. between secs. 20 and 29, rd. at fence N. -----	39 22 54.0	94 10 56.2	2,710
East Fork of Fishing River, center of bridge over -----	39 22 54.2	94 10 39.9	1,276
T. 53 N., R. 29 W., in SW $\frac{1}{4}$ sec. 21, 44 ft. N. and 20 ft. E. from T-rd. N., 44 ft. N. and 60 ft. E. from small concrete bridge, 2 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "453 C W A 1934" -----	39 22 58.79	94 10 05.52	2,737
T-rd. S. at fence N. on line through center sec. 21, T. 53 N., R. 29 W. -----	39 22 55.3	94 09 48.6	1,377
T. 53 N., R. 29 W., probable cor. secs. 21, 22, 27, and 28, T-rd. N. -----	39 22 53.2	94 09 15.1	2,635
Vibbard, center of main track of Atchison, Topeka, & Santa Fe Ry. at rd. crossing -----	39 22 49.2	94 08 50.7	1,958
T. 53 N., R. 29 W., quarter cor. between secs. 22 and 27, T-rd. E. -----	39 22 52.9	94 08 41.4	819
T. 53 N., R. 29 W., cor. secs. 22, 23, 26, and 27, rd. at hedge fence S. -----	39 22 52.7	94 08 07.7	2,645
T. 53 N., R. 29 W., quarter cor. between secs. 23 and 26, rd. at hedge N. -----	39 22 52.3	94 07 34.0	2,649
T. 53 N., R. 29 W., E. sixteenth cor. between secs. 23 and 26, 75 ft. N. and 27 ft. W. from rd. corner from W.-S. produced, 22 ft. S. of private rd. E. through field, 3 ft. W. of fence corner, in concrete post; standard tablet stamped "454 C W A 1934" -----	39 22 52.74	94 07 17.45	1,300
T. 53 N., R. 29 W., E. sixteenth cor. sec. 23, rd. at hedge fences E. and W. -----	39 23 18.3	94 07 16.7	2,587
T-rd. SE. at ford across creek -----	39 23 45.9	94 07 21.1	2,813
T. 53 N., R. 29 W., E. sixteenth cor. sec. 14, rd. at hedge fence E. -----	39 24 10.0	94 07 16.2	2,466
T. 53 N., R. 29 W., E. sixteenth cor. between secs. 11 and 14, rd. at hedge fence E. -----	39 24 36.0	94 07 15.9	2,640
T-rd. E. -----	39 24 57.6	94 07 15.7	2,180

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 53 N., R. 29 W., near W. sixteenth cor. sec. 12, 31 ft. N. and 46 ft. E. from T-rd. N., 8 ft. N. and 28 ft. E. from fence corner, in concrete post; standard tablet stamped "455 C W A 1934" -----	39 24 57.34	94 06 41.45	2,686
T. 53 N., R. 29 W., probable center sec. 12, T-rd. W. -----	39 24 57.2	94 06 25.2	1,275
T. 53 N., R. 29 W., probable quarter cor. between secs. 12 and 13, rd. corner from N.-E. -----	39 24 30.5	94 06 25.2	2,700
T. 53 N., R. 29 W., E. cor. secs. 12 and 13, T-rd. W. -----	39 24 30.5	94 05 51.9	2,610
Rd. corner from N.-E. at private rd. S. -----	39 24 14.4	94 05 52.1	1,628
Junction of dim rd. N. -----	39 24 13.3	94 05 10.2	3,286
T. 53 N., R. 28 W., quarter cor. between secs. 18 and 19, about 280 ft. S. and 500 ft. W. from, 14 ft. N. and 88 ft. E. from rd. corner, 2 ft. N. of fence, on land of J. J. Aker, in concrete post; standard tablet stamped "456 C W A 1934" -----	39 23 39.88	94 05 16.28	3,417
Rd. corner from W.-S. -----	39 23 30.0	94 04 53.6	2,039
T. 53 N., R. 28 W., probable quarter cor. between secs. 19 and 20, rd. at fence S. -----	39 23 16.3	94 04 36.8	1,914
Rd. corner from N.-E. -----	39 23 03.2	94 04 22.5	1,733
Rd. at fences E. and W. on line between secs. 20 and 29, T. 53 N., R. 28 W. -----	39 22 50.1	94 04 19.5	1,345
Rocky Fork Creek, center of bridge over -----	39 22 29.9	94 04 21.1	2,052
T. 53 N., R. 28 W., in SE 1/4 sec. 29, 17 ft. S. and 97 ft. W. from rd. forks, 335 ft. E. of bridge over Cold Springs Branch, 5 ft. E. of telephone pole, in concrete post; standard tablet stamped "457 C W A 1934" -----	39 22 10.54	94 03 52.80	2,965
Center of bridge over creek -----	39 22 25.1	94 03 35.8	2,043
T. 53 N., R. 28 W., center sec. 28, stone in fence corner -----	39 22 22.9	94 02 55.7	3,084
T. 53 N., R. 28 W., quarter cor. between secs. 27 and 28, T-rd. N. -----	39 22 22.2	94 02 22.3	2,630
T. 53 N., R. 28 W., cor. secs. 21, 22, 27, and 28, rd. at hedge fence E. -----	39 22 48.1	94 02 22.2	2,622
T. 53 N., R. 28 W., about 0.2 mi. S. of center sec. 22, 19 ft. N. and 21 ft. W. from T-rd. W. and private rd. E., 4 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "458 C W A 1934" -----	39 23 03.15	94 01 49.16	3,013
Junction of abandoned rd. S. on line between secs. 22 and 23, T. 53 N., R. 28 W. -----	39 23 12.4	94 01 18.5	2,586
Center of small bridge -----	39 23 05.0	94 00 59.3	1,688
T. 53 N., R. 28 W., W. sixteenth cor. between secs. 23 and 26, rd. corner from N.-E. at abandoned rd. W. -----	39 22 46.8	94 00 59.0	1,840
Rd. forks -----	39 22 46.5	94 00 47.9	877
T. 53 N., R. 28 W., cor. secs. 23, 24, 25, and 26, rd. at fences N. and S. -----	39 22 45.9	94 00 09.3	3,031

(Continued in Richmond quadrangle; see line 3.)

## 5. FROM SEC. 23, T. 53 N., R. 30 W., NORTHEAST TO U.S. HIGHWAY 69, THENCE NORTH TO SEC. 11, T. 54 N., R. 30 W. (by W. V. Kennedy in 1934)

439 C W A 1934 (previously described) -----	39 23 16.19	94 14 38.02	.....
Rd. corner from S.-E. -----	39 23 35.4	94 14 19.0	2,452
Rd. forks -----	39 23 37.1	94 14 04.1	1,181
T. 53 N., R. 30 W., cor. secs. 13, 14, 23, and 24, highway at fence W. -----	39 23 48.1	94 13 46.8	1,759
T. 53 N., R. 30 W., quarter cor. between secs. 13 and 14, highway at fences E. and W. -----	39 24 14.3	94 13 46.6	2,660
T. 53 N., R. 30 W., cor. secs. 11, 12, 13, and 14, highway at hedge E. and fence W. -----	39 24 40.5	94 13 46.4	2,650
T. 53 N., R. 30 W., quarter cor. between secs. 11 and 12, highway at hedge fence W. -----	39 25 06.6	94 13 46.2	2,640
T. 53 N., R. 30 W., cor. secs. 1, 2, 11, and 12, 54 ft. S. and 44 ft. E. from E.-W. crossroad, 17 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "1060 C W A 1934" -----	39 25 32.46	94 13 45.49	2,620
T. 53 N., R. 30 W., quarter cor. between secs. 1 and 2, highway at hedge fences E. and W. -----	39 25 59.4	94 13 45.9	2,727
Tps. 53 and 54 N., R. 30 W., cor. secs. 1, 2, 35, and 36, crossroad -----	39 26 26.2	94 13 45.7	2,710
T. 54 N., R. 30 W., quarter cor. between secs. 35 and 36, highway at fence E. -----	39 26 51.6	94 13 45.6	2,580
Highway at fence N. on line through center of E4 sec. 35, T. 54 N., R. 30 W. -----	39 27 11.3	94 14 02.6	2,399

\*In August 1936 it was reported that this tablet was reset 10 ft. N. and 10 ft. E. from its original location. The description and coordinates given refer to the new position.



Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Crossroad, 120 ft. W. of W. sixteenth cor. sec. 26, T. 54 N., R. 30 W. -----	39 27 44.3	94 14 36.7	4,274
T. 54 N., R. 30 W., near quarter cor. between secs. 23 and 26, 705 ft. NE. along U.S. Highway 69 from crossing of Atchison, Topeka & Santa Fe Ry., 67 ft. S. of highway on curve at private rd. SE., in concrete post; standard tablet stamped "1061 C W A 1934" -----	39 28 09.17	94 14 19.62	2,856
Crossroad on line through center sec. 23, T. 54 N., R. 30 W. -----	39 28 36.2	94 14 12.3	2,795
Highway at fences E. and W. -----	39 28 57.5	94 14 12.0	2,160
Crossroad -----	39 29 22.4	94 14 11.5	2,520
Highway at fences E. and W. on line between secs. 11 and 14, T. 54 N., R. 30 W. -----	39 29 54.4	94 14 11.0	3,240
Highway at fences E. and W. on line through center sec. 11, T. 54 N., R. 30 W. (in Polo quadrangle)* -----	39 30 20.4	94 14 10.6	2,630

6. FROM SEC. 3, T. 51 N., R. 28 W., NORTHEAST TO SEC. 35, T. 52 N., R. 28 W.,  
THENCE EAST ALONG STATE HIGHWAY 10 INTO RICHMOND QUADRANGLE  
(by W. V. Kennedy in 1934)

T T 283 B 1932 (previously described) -----	39 15 21.28	94 02 18.33	.....
T. 51 N., R. 28 W., center sec. 3, rd. at fences N. and S. -----	39 15 22.4	94 01 44.9	2,639
Tps. 51 and 52 N., R. 28 W., E. sixteenth cor. between secs. 3 and 34, T-rd. E. -----	39 15 48.3	94 01 28.2	2,930
T. 52 N., R. 28 W., S. cor. secs. 34 and 35, rd. at fence N. -----	39 15 48.3	94 01 11.8	1,293
T. 52 N., R. 28 W., S. sixteenth cor. sec. 35, rd. corner from S-E. -----	39 16 00.8	94 00 37.3	2,992
T. 52 N., R. 28 W., E. sixteenth cor. sec. 35, rd. at fence W. -----	39 16 13.9	94 00 20.8	1,853
Richmond, 1.5 mi. W. of, 35 ft. N. and 2 ft. W. from junction of rd. S., 4 ft. N. and 28 ft. E. from fence corner, in concrete post; standard tablet stamped "1024 C W A 1934" -----	39 16 38.93	94 00 21.37	2,530

(Continued in Richmond quadrangle; see line 4.)

7. FROM RICHMOND QUADRANGLE NORTH ALONG STATE HIGHWAY 13 TO SEC. 15,  
T. 54 N., R. 28 W. (by W. V. Kennedy in 1934)

(Continued from Richmond quadrangle; see line 4.)

Highway at fences E. and W. on line between secs. 13 and 24, T. 53 N., R. 28 W., 360 ft. E. of stone at cor. secs. 13, 14, 23, and 24 -----	39 23 38.5	94 00 05.6	(2,915)
T. 53 N., R. 28 W., quarter cor. between secs. 13 and 14, crossroad -----	39 24 04.7	94 00 08.8	2,666
Knoxville, 2.7 mi. SE. of, 57 ft. N. and 50 ft. E. from junction of private rd. E., in concrete post; standard tablet stamped "1027 C W A 1934" -----	39 24 31.34	94 00 08.38	2,691
Highway at hedge fence E. on line through center sec. 11, T. 53 N., R. 28 W. -----	39 24 57.3	94 00 12.7	2,648
Junction of rd. E. and dim rd. W., 425 ft. E. of stone at E. sixteenth cor. between secs. 2 and 11, T. 53 N., R. 28 W. -----	39 25 23.4	94 00 22.5	2,753
Crossroad on line through center sec. 2, T. 53 N., R. 28 W. -----	39 25 49.9	94 00 32.8	2,800
Highway at old E.-W. right-of-way, 369 ft. E. of quarter cor. between secs. 2 and 35, Tps. 53 and 54 N., R. 28 W. -----	39 26 15.9	94 00 42.9	2,750
Knoxville, junction of rd. W. -----	39 26 41.8	94 00 57.9	2,872
Junction of rd. W. -----	39 26 53.8	94 01 05.8	1,366
Knoxville, 0.6 mi. N. of, 51 ft. N. and 7 ft. W. from NE. corner of farmhouse of F. W. Carter, 44 ft. W. of highway, in concrete post; standard tablet stamped "1028 C W A 1934" -----	39 27 14.63	94 01 17.75	2,303
T. 54 N., R. 28 W., quarter cor. between secs. 26 and 27, highway at fence W. -----	39 27 35.0	94 01 21.7	2,079
T. 54 N., R. 28 W., cor. secs. 22, 23, 26, and 27, highway at fence E. -----	39 28 01.1	94 01 21.4	2,649
Junction of rd. E., 208 ft. E. of E. sixteenth cor. sec. 22, T. 54 N., R. 28 W. -----	39 28 27.3	94 01 35.0	2,856
Junction of rd. E. and private rd. W., 182 ft. E. of quarter cor. between secs. 15 and 22, T. 54 N., R. 28 W. -----	39 28 53.7	94 01 51.2	2,960
T. 54 N., R. 28 W., center sec. 15, junction of rd. W. -----	39 29 19.7	94 01 53.5	2,637
Prim Trav Sta No 39 S 1921 Mo (previously described) -----	39 29 20.36	94 02 26.93	2,627

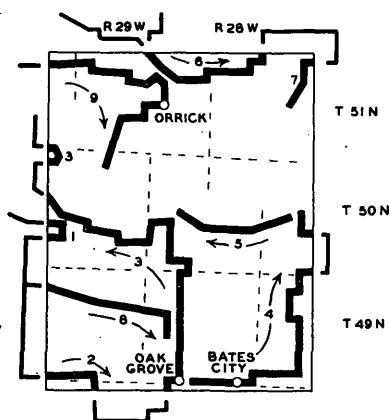
\*Published also in line 6 of Polo quadrangle (see Bull. 916-D).

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
8. FROM SEC. 21, T. 53 N., R. 29 W., EAST TO VIBBARD, THENCE SOUTH ALONG COUNTY ROUTE M TO JUNCTION OF STATE HIGHWAY 10, THENCE SOUTH ALONG ROADS TO SEC. 3, T. 51 N., R. 29 W. (by C. D. Craig in 1937)			
453 C W A 1934 (previously described) -----	39 22 58.79	94 10 05.52	.....
U.S.C. & G.S. standard disk stamped "E 74 1935"-	39 22 49.07	94 08 50.37	5,985
Atchison, Topeka & Santa Fe Ry. at highway			
crossing -----	39 22 23.2	94 08 41.7	2,698
Highway at fences E. and W. -----	39 22 00.8	94 08 42.0	2,270
T. 53 N., R. 29 W., center sec. 34, junction of			
rd. E. -----	39 21 35.0	94 08 42.3	2,613
Junction of rd. W. -----	39 20 54.5	94 08 42.1	4,090
T. 52 N., R. 29 W., near center of $\frac{1}{4}$ sec. 3,			
5 mi. E. of Excelsior Springs, 29 ft. N. and			
80 ft. W. from junction of State Highway 10			
E.-W. and rd. S., 2 ft. W. of telephone pole,			
in concrete post; standard tablet stamped			
"T T 6 C 1937" -----	39 20 25.62	94 08 42.88	2,926
T. 52 N., R. 29 W., quarter cor. between secs. 3			
and 10, rd. at fences E. and W. -----	39 20 13.7	94 08 41.8	1,205
Junction of lane W. at rd. corner near quarter			
cor. between secs. 10 and 15, T. 52 N.,			
R. 29 W. -----	39 19 21.8	94 08 42.2	5,257
Rd. corner -----	39 19 21.6	94 08 25.3	1,325
Rd. at fence N. -----	39 18 55.6	94 08 25.2	2,628
T. 52 N., R. 29 W., E. sixteenth cor. between			
secs. 15 and 22, 25 ft. N. and 175 ft. W. from			
T-rd. S., 25 ft. N. and 68 ft. W. from T-rd.			
N., in concrete post; standard tablet stamped			
"T T 7 C 1937" -----	39 18 30.01	94 08 27.54	2,593
Rd. corner -----	39 18 00.5	94 08 25.6	2,990
T. 52 N., R. 29 W., cor. secs. 22, 23, 26, and			
27, rd. at fences E. and W. -----	39 17 37.5	94 08 08.6	2,678
T. 52 N., R. 29 W., quarter cor. between secs. 26			
and 27, T-rd. N. -----	39 17 11.5	94 08 09.0	2,632
Rd. at fence W. at NE. corner of schoolyard -----	39 17 11.2	94 07 31.7	2,930
T. 52 N., R. 29 W., quarter cor. between secs. 26			
and 35, rd. at fences E. and W. -----	39 16 45.3	94 07 35.8	2,643
T. 52 N., R. 29 W., 0.2 mi. N. of center sec. 35,			
0.8 mi. S. of Redbush School, 25 ft. S. of rd.			
at E. end of 170 ft. jog in N.-S. rd., 3 ft. N.			
of NE. corner of barn, in concrete post;			
standard tablet stamped "T T 8 C 1937" -----	39 16 28.78	94 07 36.30	1,669
Rd. at fences N. and S. -----	39 16 07.1	94 08 01.8	2,972
T-rd. S. on line between secs. 3 and 34, Tps. 51			
and 52 N., R. 29 W. -----	39 15 54.4	94 08 35.8	2,964
Rd. at fences E. and W. -----	39 15 28.5	94 08 41.5	2,659
T T 280 B 1932 (previously described) -----	39 15 03.09	94 09 04.24	3,128
9. FROM SEC. 14, T. 52 N., R. 30 W., EAST TO SEC. 10, T. 52 N., R. 29 W. (by C. D. Craig in 1937)			
437 C W A 1934 (previously described) -----	39 19 18.97	94 14 41.51	.....
Rd. corner -----	39 19 07.1	94 14 06.7	2,984
Rd. at fence W. -----	39 18 57.2	94 14 06.7	1,007
Rd. at fence S. -----	39 19 09.3	94 13 33.4	2,891
T. 52 N., R. 29 and 30 W., cor. secs. 7, 12, 13,			
and 18, crossroads -----	39 19 24.6	94 12 42.8	4,265
T. 52 N., R. 29 and 30 W., quarter cor. between			
secs. 7 and 12, T-rd. E. -----	39 19 50.6	94 12 42.7	2,625
Rd. at fence S. -----	39 19 50.5	94 12 05.8	2,896
T. 52 N., R. 29 W., quarter cor. between secs. 7			
and 8, 20 ft. S. and 26 ft. E. from crossroads,			
4 ft. S. and 4 ft. E. from fence corner, in			
concrete post; standard tablet stamped			
"T T 9 C 1937" -----	39 19 50.01	94 11 32.14	2,648
T. 52 N., R. 29 W., cor. secs. 5, 6, 7, and 8,			
T-rd. E. -----	39 20 16.7	94 11 32.3	2,697
Crossroads -----	39 20 16.1	94 10 58.2	2,679
T. 52 N., R. 29 W., cor. secs. 4, 5, 8, and 9,			
T-rd. N. -----	39 20 15.4	94 10 24.2	2,674
Crossroads -----	39 20 14.5	94 09 50.1	2,681
Airway beacon 2 -----	39 20 15.4	94 10 00.7	84.0
Rd. at fences E. and W. -----	39 19 48.6	94 09 50.6	2,834
T. 52 N., R. 29 W., in NW $\frac{1}{4}$ sec. 16, 45 ft. S.			
and 85 ft. E. from SE. corner of			
New Garden Church, 2 ft. S. of SE. corner of			
church yard, in concrete post; standard tablet			
stamped "T T 10 C 1937" -----	39 19 22.10	94 09 59.36	2,764
T. 52 N., R. 29 W., cor. secs. 9, 10, 15, and 16,			
fence corner -----	39 19 21.9	94 09 16.2	3,392
Junction of lane W. at rd. corner near quarter			
cor. between secs. 10 and 15, T. 52 N., R. 29			
W. (previously described) -----	39 19 21.7	94 08 42.3	2,666

Magnetic declination 8° 22' E.

ORRICK QUADRANGLE  
(Latitude 39°00'–39°15'; Longitude 94°00'–94°15')

Clay, Jackson, Lafayette, and Ray Counties



1. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 29, T. 50 N., R. 30 W., NORTH INTO INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 29, T. 50 N., R. 30 W. (by W. R. Broadus in 1932)  
(Continued from Independence No. 3 quadrangle; see line 4.)

Station	Latitude	Longitude	Distance
T. 50 N., R. 30 W., center of NW 1/4 sec. 29, 20 ft. N. and 29 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T 257 B 1932"	39 07 17.18	94 14 59.51	(3,607)
(Continued in Independence No. 3 quadrangle; see line 4.)			

2. FROM INDEPENDENCE NO. 3 QUADRANGLE EAST ALONG U.S. HIGHWAY 40 TO SEC. 33, T. 49 N., R. 30 W., THENCE SOUTH ALONG ROADS INTO LONEJACK QUADRANGLE AT SEC. 4, T. 46 N., R. 30 W. (by W. R. Broadus in 1932)  
(Continued from Independence No. 3 quadrangle; see line 9.)

Blue Branch of Sni A Bar Creek, center of bridge over	39 00 29.4	94 13 46.8	(6,842)
Junction of rd. S. -----	39 00 31.3	94 13 33.2	1,082
(Continued in Lonejack quadrangle; see line 4.)			

3. FROM LONEJACK QUADRANGLE AT SEC. 5, T. 48 N., R. 29 W., EAST TO OAK GROVE, THENCE NORTH ALONG JACKSON COUNTY HIGHWAY 24-E (Outer Belt Road) AND ROADS TO SEC. 20, T. 50 N., R. 29 W., THENCE WEST TO SEC. 29, T. 50 N., R. 30 W., THENCE NORTH INTO INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 6, T. 50 N., R. 30 W. (by W. R. Broadus in 1932)  
(Continued from Lonejack quadrangle; see line 4.)

Rd. forks -----	39 00 04.1	94 08 17.9	(6,689)
Oak Grove, at S. limits of, 28 ft. S. and 37 ft. W. from junction of rd. W., in concrete post; standard tablet stamped "262 B 1932"	39 00 03.68	94 07 45.05	2,596
Oak Grove, approximate cor. secs. 4, 5, 32, and 33, Tps. 48 and 49 N., R. 29 W. -----	39 00 17.2	94 07 44.1	1,374
Intersection of U.S. Highway 40 -----	39 00 56.7	94 07 42.3	3,991
T. 49 N., R. 29 W., cor. secs. 28, 29, 32, and 33, crossroad -----	39 01 09.2	94 07 41.7	1,271
T. 49 N., R. 29 W., quarter cor. between secs. 28 and 29, junction of rd. W. -----	39 01 35.4	94 07 40.6	2,651
T. 49 N., R. 29 W., cor. secs. 20, 21, 28, and 29, junction of rd. E. -----	39 02 01.4	94 07 39.5	2,630
Sni A Bar Creek, center of bridge over -----	39 02 11.6	94 07 39.1	1,030
T. 49 N., R. 29 W., quarter cor. between secs. 20 and 21, junction of rd. W. -----	39 02 27.6	94 07 38.4	1,620
T. 49 N., R. 29 W., cor. secs. 16, 17, 20, and 21, 18 ft. S. and 29 ft. W. from junction of rd. E., in concrete post; standard tablet stamped "T T 263 B 1932"	39 02 53.45	94 07 37.73	2,620

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 49 N., R. 29 W., cor. secs. 8, 9, 16, and 17, highway from S.-W. at rds. N. and E. -----	39 03 45.7	94 07 35.0	5,290
T-rd. N. -----	39 04 25.4	94 07 16.9	4,267
T. 49 N., R. 29 W., about 1,000 ft. W. of center sec. 4, 20 ft. S. and 21 ft. W. from rd. corner from S.-E., in concrete post; standard tablet stamped "T T 264 B 1932" -----	39 05 04.96	94 07 10.93	4,025
Rd. forks -----	39 05 31.2	94 07 01.7	2,751
T. 49 N., R. 29 W., N. cor. secs. 4 and 5, rd. at fence S. -----	39 05 32.0	94 07 30.8	2,291
Junction of rd. E. -----	39 05 33.0	94 08 04.3	2,647
Junction of rd. E. -----	39 06 25.3	94 08 02.0	5,300
Junction of rd. SW. -----	39 06 37.3	94 08 01.4	1,210
T. 50 N., R. 29 W., quarter cor. between secs. 20 and 29, 18 ft. N. and 64 ft. W. from cross- road, in concrete post; standard tablet stamped "T T 265 B 1932" -----	39 07 17.78	94 08 00.81	4,098
T. 50 N., R. 29 W., quarter cor. between secs. 19 and 30, rd. at fence S. -----	39 07 20.0	94 09 06.5	5,181
T-rd. E. -----	39 07 21.2	94 09 38.9	2,557
T. 50 N., Rs. 29 and 30 W., quarter cor. between secs. 25 and 30, 21 ft. S. and 15 ft. E. from T-rd. N., in concrete post; standard tablet stamped "T T 266 B 1932" -----	39 06 54.37	94 09 40.35	2,718
T. 50 N., R. 30 W., quarter cor. between secs. 25 and 26, crossroads -----	39 06 55.8	94 10 47.3	5,280
T. 50 N., R. 30 W., quarter cor. between secs. 26 and 27, crossroads -----	39 06 58.2	94 11 54.0	5,259
Center of bridge -----	39 07 00.4	94 12 46.9	4,179
T. 50 N., R. 30 W., quarter cor. between secs. 27 and 28, 28 ft. S. and 30 ft. W. from cross- roads, in concrete post; standard tablet stamped "T T 267 B 1932" -----	39 07 00.69	94 13 01.70	1,167
Rd. forks -----	39 07 33.7	94 12 59.5	3,343
T. 50 N., R. 30 W., quarter cor. between secs. 21 and 28, T-rd. N. -----	39 07 28.1	94 13 34.3	2,800
Center of bridge -----	39 07 29.6	94 14 35.0	4,790
T-rd. E. -----	39 07 30.2	94 14 58.5	1,851
T T 257 B 1932 (previously described) -----	39 07 17.18	94 14 59.51	1,316
T. 50 N., R. 30 W., W. sixteenth cor. between secs. 17 and 20, intersection of U.S. Highway 24 -----	39 08 22.2	94 14 54.5	6,590
(For balance in Independence No. 3 quadrangle, see line 5.)			
Center of bridge -----	39 10 40.2	94 14 58.6	(1,536)
T-rd. S. -----	39 10 58.4	94 14 56.6	1,839
(Continued in Independence No. 3 quadrangle; see line 5.)			

4. FROM OAK GROVE EAST TO SEC. 33, T. 49 N., R. 28 W., THENCE NORTH TO  
SEC. 20, T. 50 N., R. 28 W. (by W. R. Broadus in 1932)

Oak Grove, approximate cor. secs. 4, 5, 32, and 33, Tps. 48 and 49 N., R. 29 W. (previously described) -----	39 00 17.2	94 07 44.1	.....
Rd. at fence N. on Jackson-Lafayette county line- T. 49 N., R. 29 W., S. quarter cor. sec. 34, T-rd. N. -----	39 00 16.2	94 06 37.4	5,271
T-rd. S. -----	39 00 15.4	94 06 04.0	2,639
Center of bridge -----	39 00 15.1	94 05 46.6	1,370
Eates City, 17 SW. part of, 20 ft. N. and 30 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 269 B 1932" -----	39 00 14.7	94 05 23.5	1,830
Tps. 48 and 49 N., Rs. 28 and 29 W., cor. of, T-rd. W. -----	39 00 13.73	94 04 24.55	4,653
T. 50 N., Rs. 28 and 29 W., quarter cor. between secs. 31 and 36 -----	39 00 11.8	94 03 17.4	5,308
East Fork of Sni A Bar Creek, center of U.S. Highway 40 bridge over -----	39 00 38.4	94 03 16.3	2,690
T. 49 N., R. 28 W., quarter cor. between secs. 32 and 33, U.S. Highway 40 at N.-S. fence -----	39 00 34.9	94 01 48.6	6,930
T. 49 N., R. 28 W., center sec. 33, 54 ft. N. and 30 ft. W. from U.S. Highway 40 at cross- road, in concrete post; standard tablet stamped "T T 270 B 1932" -----	39 00 33.7	94 00 59.2	3,903
T. 49 N., R. 28 W., center sec. 28, crossroads -- T. 49 N., R. 28 W., center sec. 21, T-rd. N. -----	39 00 33.60	94 00 26.15	2,609
T-rd. E. -----	39 01 25.1	94 00 22.8	5,218
T-rd. E. -----	39 02 17.1	94 00 20.0	5,262
T. 49 N., R. 28 W., in NW 1/4 sec. 16, 50 ft. N. and 14 ft. W. from junction of rd. E., 18 ft. N. of rd., in concrete post; standard tablet stamped "T T 271 B 1932" -----	39 02 49.7	94 00 17.8	3,301
	39 02 54.5	94 00 34.5	1,410
	39 03 22.78	94 00 33.53	2,864

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
East Fork of Sni A Bar Creek, center of bridge over -----	39 03 23.4	94 00 48.5	1,182
T-rd. E. -----	39 03 31.1	94 01 24.1	2,915
T. 49 N., R. 28 W., quarter cor. between secs. 5 and 8, T-rd. S. -----	39 04 29.2	94 01 21.3	5,881
T-rd. N. -----	39 04 28.9	94 00 30.1	4,036
Rd. at fence W. on E.-W. line through center sec. 4, T. 49 N., R. 28 W. -----	39 04 53.5	94 00 28.3	2,493
Center of bridge -----	39 05 32.1	94 00 07.9	4,222
T. 50 N., R. 28 W., N. sixteenth cor. sec. 33, 18 ft. S. and 17 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 272 B 1932" -----	39 05 57.88	94 00 09.25	2,610
(For balance in Lexington quadrangle, see line 2.)			
U.S. Highway 24 at rd. S. -----	39 07 55.4	94 00 06.9	(1,812)
Wellington triangulation sta. of U.S.C.E.; iron post -----	39 08 19.56	94 00 37.76	3,445

5. FROM SEC. 21, T. 50 N., R. 28 W., WEST ALONG U.S. HIGHWAY 24 TO JUNCTION OF JACKSON COUNTY HIGHWAY 24-E (Outer Belt Road), THENCE SOUTH ABOUT 0.8 MILE (by W. R. Broadus in 1932)

Junction of rd. S. (previously described) -----	39 07 55.4	94 00 06.9	.....
Junction of rd. N. -----	39 07 59.4	94 01 02.2	4,461
Waterloo, crossroad at -----	39 07 59.4	94 02 02.6	4,678
Missouri Pacific R.R. at center of trestle 159 -- Napoleon, 101 ft. SW. of Missouri Pacific R.R. sta., 33 ft. N. of highway, 46 ft. NE. of NE. corner of bridge, in concrete post; standard tablet stamped "T T 273 B 1932" -----	39 07 59.3	94 03 16.9	5,855
Highway at N.-S. rd. -----	39 07 56.82	94 04 05.96	3,877
Napoleon, about 1 mi. SW. of, in SW 1/4 sec. 22, T. 50 N., R. 29 W., at top of hill, about 2,000 ft. N. of highway, E. of quarry; iron post marked "U S" -----	39 07 44.4	94 04 21.9	1,777
Junction of rd. S. -----	39 07 44.57	94 05 19.78	4,561
Junction of rd. S. -----	39 07 25.8	94 05 12.4	1,884
Highway at Jackson-Lafayette county line -----	39 07 34.4	94 06 13.2	4,873
Intersection of Jackson County Highway 24-E (Outer Belt Road) -----	39 07 35.5	94 06 19.6	512
T T 265 B 1932 (previously described) -----	39 07 56.7	94 07 58.4	8,080
	39 07 17.78	94 08 00.81	3,944

6. FROM LAWSON QUADRANGLE AT SEC. 10, T. 51 N., R. 29 W., EAST INTO LAWSON QUADRANGLE AT SEC. 9, T. 51 N., R. 28 W. (by W. R. Broadus in 1932)

(Continued from Lawson quadrangle; see line 2.)

Rd. at fence S. on line through center sec. 10, T. 51 N., R. 29 W. -----	39 14 47.4	94 08 45.6	(2,159)
Rd. forks -----	39 14 23.5	94 08 21.9	3,055
Orrick triangulation sta. of U.S.C.E.; iron post -----	39 13 58.81	94 07 53.60	3,353
Rd. forks -----	39 13 44.9	94 07 58.1	2,093
T-rd. E. -----	39 13 24.6	94 07 03.9	3,211
Center of bridge -----	39 13 22.3	94 06 35.9	2,219
T. 51 N., R. 29 W., near E. sixteenth cor. between secs. 13 and 24, 40 ft. S. and 26 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 281 B 1932" -----	39 13 16.27	94 06 21.54	1,284
Center of bridge -----	39 13 16.3	94 05 58.0	1,849
T. 51 N., R. 29 W., E. cor. secs. 12 and 13, T-fence, 110 ft. N. of rd. corner -----	39 14 08.0	94 05 55.8	5,232
Rd. forks -----	39 14 33.3	94 05 30.4	3,251
T. 51 N., R. 28 W., near center sec. 8, 34 ft. N. and 29 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 282 B 1932" -----	39 14 32.78	94 03 57.41	7,320
T-rd. E. -----	39 14 55.2	94 03 43.6	2,512
Rd. forks -----	39 14 58.4	94 02 40.0	5,609

(Continued in Lawson quadrangle; see line 2.)

7. FROM LEXINGTON QUADRANGLE SOUTH ALONG COUNTY ROUTE E TO SEC. 23, T. 51 N., R. 28 W. (by W. R. Broadus in 1932)

(Continued from Lexington quadrangle; see line 3.)

T. 51 N., R. 28 W., cor. secs. 11, 12, 13, and 14, junction of rd. S. -----	39 14 03.6	94 00 00.2	(6,360)
T. 51 N., R. 28 W., E. sixteenth cor. between secs. 14 and 23, 26 ft. N. and 28 ft. W. from junction of rd. W., in concrete post; standard tablet stamped "T T 285 B 1932" -----	39 13 11.67	94 00 15.65	5,398

\* This post is not identified in any available records.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Wabash Ry. at highway crossing -----	39 12 24.9	94 00 15.0	4,732
Camden triangulation sta. of U.S.C.E.; iron post-----	39 12 21.55	94 00 56.57	3,285

8. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 8, T. 49 N., R. 30 W., EAST TO SEC. 11, T. 49 N., R. 30 W., THENCE EAST ALONG SPRING BRANCH ROAD TO JACKSON COUNTY HIGHWAY 24-E (Outer Belt Road), THENCE SOUTH TO SEC. 20, T. 49 N., R. 29 W. (by C.W.A. field party in 1934)  
(Continued from Independence No. 3 quadrangle; see line 11.)

T. 49 N., R. 30 W., approximate quarter cor. between secs. 8 and 17 -----	39 03 58.8	94 14 48.4	(2,620)
T. 49 N., R. 30 W., approximate cor. secs. 8, 9, 16, and 17 (this position is 20 ft. S. at intersection of E.-W. and N.-S. fences) -----	39 03 57.6	94 14 15.5	2,605
T. 49 N., R. 30 W., approximate quarter cor. between secs. 9 and 16, T-rd. S. -----	39 03 56.8	94 13 42.4	2,615
T. 49 N., R. 30 W., cor. secs. 9, 10, 15, and 16, stone -----	39 03 55.5	94 13 09.2	2,620
T. 49 N., R. 30 W., W. sixteenth cor. between secs. 10 and 15, 12 ft. N. and 20 ft. E. from Dillingham Road at junction of rd. W., 4 ft. inside pasture fence, in concrete post; standard tablet stamped "202 C W A 1934" -----	39 03 54.82	94 12 52.29	1,340
T. 49 N., R. 30 W., probable cor. secs. 10, 11, 14, and 15, iron fence post -----	39 03 53.7	94 12 02.4	3,940
Junction of Jackson County Highway 20-E Buckner-Tarsney Road) -----	39 03 53.2	94 11 46.7	1,320
T. 49 N., R. 30 W., approximate quarter cor. between secs. 11 and 14 -----	39 03 52.9	94 11 29.0	1,315
T. 49 N., R. 30 W., approximate cor. secs. 11, 12, 13, and 14 -----	39 03 52.2	94 10 55.1	2,680
Junction of rd. N. -----	39 03 51.9	94 10 38.7	1,300
Junction of rd. S. -----	39 03 51.6	94 10 25.8	1,020
T. 49 N., Rs. 29 and 30 W., cor. secs. 7, 12, 13, and 16, 27 ft. S. and 34 ft. E. from cross-road, in concrete post; standard tablet stamped "201 C W A 1934" -----	39 03 50.81	94 09 47.69	3,015
Crossroad -----	39 03 50.4	94 08 59.0	3,840
T. 49 N., R. 29 W., approximate cor. secs. 7, 8, 17, and 18, highway at fence S. -----	39 03 49.9	94 08 42.2	1,330
Junction of rd. N. -----	39 03 47.8	94 08 08.5	2,670
Center of culvert -----	39 03 46.5	94 07 47.8	1,630
T. 49 N., R. 29 W., cor. secs. 8, 9, 16, and 17, highway from S.-W. at rds. N. and E. (previously described) -----	39 03 45.7	94 07 35.0	1,030
Center of culvert -----	39 03 09.5	94 07 36.6	3,660
T T 263 B 1932 (previously described) -----	39 02 53.45	94 07 37.73	1,635

9. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 10, T. 51 N., R. 30 W., EAST TO SEC. 14, T. 51 N., R. 29 W., THENCE SOUTHWEST TO SEC. 11, T. 50 N., R. 30 W. (by S. T. Tudor in 1935)  
(Continued from Independence No. 3 quadrangle; see line 14.)

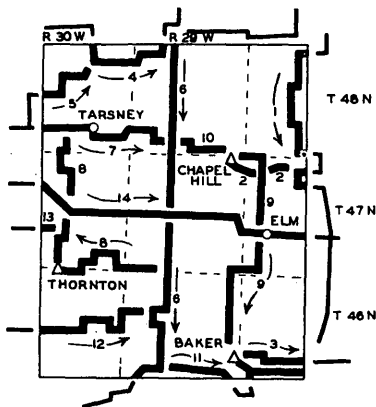
Wabash Ry. at rd. crossing near cor. secs. 10, 11, 14, and 15, T. 51 N., R. 30 W. -----	39 14 16.6	94 14 57.5	(2,697)
T. 51 N., R. 30 W., about 400 ft. N. of quarter cor. between secs. 11 and 14, 115 ft. N. of Wabash Ry. at rd. crossing, in concrete post; standard tablet stamped "T T 1527 E R A 1935" -----	39 14 16.90	94 14 24.49	2,599
Wabash Ry. at fence N. -----	39 14 15.9	94 13 50.8	2,668
T. 51 N., R. 30 W., quarter cor. between secs. 12 and 13, rd. at fence N. -----	39 14 12.0	94 13 17.3	2,643
T. 51 N., Rs. 29 and 30 W., approximate cor. secs. 7, 12, 13, and 16, rd. at fences N. and S. -----	39 14 11.5	94 12 44.6	2,575
Rd. at fence N. -----	39 14 11.6	94 12 08.4	2,642
T. 51 N., R. 29 W., approximate cor. secs. 7, 8, 17, and 18, T-rd. W. -----	39 14 11.2	94 11 34.9	2,640
T. 51 N., R. 29 W., about 200 ft. N. of quarter cor. between secs. 17 and 18, 8 ft. S. and 15 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T 1528 E R A 1935" -----	39 13 47.10	94 11 35.36	2,439
Rd. at fence N. -----	39 13 45.9	94 11 01.7	2,655
T. 51 N., R. 29 W., quarter cor. between secs. 16 and 17, rd. at fence N. -----	39 13 46.4	94 10 28.1	2,641
Rd. corner -----	39 13 45.8	94 09 52.7	2,550
T-rd. E. -----	39 13 25.6	94 09 36.0	2,240
T-rd. N. -----	39 13 18.8	94 09 06.8	3,910
T. 51 N., R. 29 W., E. sixteenth cor. between secs. 15 and 22, 38 ft. N. and 5 ft. W. from, in concrete post; standard tablet stamped "T T 1529 E R A 1935" -----	39 13 18.82	94 08 31.25	2,793
Orrick triangulation sta. (previously described) -----	39 13 58.81	94 07 53.60	5,015

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 51 N., R. 29 W., quarter cor. between secs. 14 and 23, crossroads -----	39 13 17.9	94 07 38.7	4,306
Wabash Ry. at rd. crossing -----	39 12 51.6	94 07 38.9	2,860
T-rd. S. -----	39 12 39.3	94 08 13.6	3,003
T. 51 N., R. 29 W., quarter cor. between secs. 26 and 27, T-rd. W. -----	39 12 00.4	94 08 14.3	3,939
T. 51 N., R. 29 W., cor. secs. 26, 27, 34, and 35, 40 ft. N. and 25 ft. E. from rd. corner from N.-E., in concrete post; standard tablet stamped "T T 1530 E R A 1935" -----	39 11 34.35	94 08 14.33	2,634
Atchison, Topeka & Santa Fe Ry. at rd. crossing -	39 11 26.9	94 08 52.0	3,062
Atchison, Topeka & Santa Fe Ry. at rd. crossing -	39 11 24.5	94 09 29.4	2,950
Atchison, Topeka & Santa Fe Ry. at fences N. and S. -----	39 11 22.3	94 10 03.2	2,670
Atchison, Topeka & Santa Fe Ry. at N. abutment of bridge over Missouri River -----	39 11 15.6	94 10 29.4	2,168
Sibley triangulation sta. of U.S.C.E.; iron pipe -----	39 10 36.43	94 10 47.05	4,202
Hudson triangulation sta. of U.S.C.E. -----	39 09 44.18	94 11 15.80	6,028

Magnetic declination 7° 15' E.

LONEJACK QUADRANGLE  
(Latitude 38°45'-39°00'; longitude 94°00'-94°15')

Cass, Jackson, Johnson, and Lafayette Counties



1. FROM ODESSA QUADRANGLE AT SEC. 4, T. 48 N., R. 28 W., SOUTH INTO ODESSA QUADRANGLE AT SEC. 3, T. 47 N., R. 28 W. (by E. L. McNair in 1914)

(Continued from Odessa quadrangle; see line 2.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 48 N., R. 28 W., on line between secs. 4 and 9, 15 ft. S. and 125 ft. E. from junction of rd. N., 15 ft. S. and 15 ft. W. from junction of rd. S., 6 ft. from telephone pole; iron post stamped "Prim Trav Sta No 22 1914 Mo" -----	38 59 13.0	94 00 30.1	(3,680)
T. 48 N., R. 28 W., center sec. 9, T-rd. N. -----	38 58 47.5	94 00 33.8	2,600
T-rd. N. on line between secs. 9 and 16, T. 48 N., R. 28 W. -----	38 58 21.3	94 00 43.2	2,755
T-rd. N. -----	38 57 29.4	94 00 59.9	5,413
T-rd. N. -----	38 56 37.0	94 00 56.6	5,309
T. 48 N., R. 28 W., cor. secs. 21, 22, 27, and 28, crossroads -----	38 56 36.2	94 00 06.5	3,960
T. 48 N., R. 28 W., approximate cor. secs. 27, 28, 33, and 34 -----	38 55 43.4	94 00 09.2	5,349
(For balance in Odessa quadrangle, see line 4.)			
T-rd. S. -----	38 55 16.4	94 00 10.1	(1,333)
Rd. at fences E. and W. on Johnson-Lafayette county line -----	38 54 51.0	94 00 11.9	2,574
T. 47 N., R. 28 W., quarter cor. between secs. 3 and 4 -----	38 54 23.2	94 00 04.4	2,876

(Continued in Odessa quadrangle; see line 4.)

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
2. FROM SEC. 4, T. 47 N., R. 28 W., WEST TO CHAPEL HILL (by E. L. McNair in 1914)			
T-rd. S. (previously described) -----	38 55 16.4	94 00 10.1	.....
T-rd. S. -----	38 55 19.0	94 01 17.4	5,326
T-rd. W. -----	38 55 07.7	94 02 07.8	4,152
Chapel Hill triangulation sta.; U.S.C. & G.S. standard disk designated "Chapel Hill" -----	36 54 47.36	94 03 28.60	6,706
3. FROM SEC. 25, T. 46 N., R. 29 W., EAST INTO ODESSA QUADRANGLE AT SEC. 34, T. 46 N., R. 28 W. (by E. L. McNair in 1914)			
Baker triangulation sta.; U.S.C. & G.S. stone post designated "Baker" -----	38 45 37.17	94 04 13.11	.....
T-rd. E. -----	38 45 39.1	94 03 08.4	5,129
T-rd. N. -----	38 45 37.2	94 02 17.9	4,009
T-rd. N. -----	38 45 29.6	94 01 44.9	2,720
T. 46 N., R. 28 W., cor. secs. 27, 28, 33, and 34, rd. at fence S. -----	38 45 20.3	94 00 37.0	5,461
T. 46 N., R. 28 W., quarter cor. between secs. 27 and 34 -----	38 45 19.1	94 00 02.9	2,700
(Continued in Odessa quadrangle; see line 1.)			
4. FROM ORRICK QUADRANGLE AT SEC. 4, T. 48 N., R. 30 W., EAST INTO ORRICK QUADRANGLE AT SEC. 6, T. 48 N., R. 29 W. (by W. R. Broadus in 1932) (Continued from Orrick quadrangle; see line 2.)			
T. 48 N., R. 30 W., E. sixteenth cor. between secs. 4 and 9, 29 ft. S. and 23 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 260 B 1932" -----	38 59 35.81	94 13 35.61	(5,615)
T-rd. S. -----	38 59 35.0	94 13 02.5	2,614
T. 48 N., R. 30 W., W. sixteenth cor. between secs. 2 and 11, T-rd. W. -----	38 59 32.6	94 11 55.5	5,299
T-rd. E. -----	36 59 58.8	94 11 54.3	2,651
T. 48 N., R. 30 W., W. sixteenth cor. sec. 1, 43 ft. S. and 18 ft. W. from T-rd. S., W. of bridge over creek, in concrete post; standard tablet stamped "T T 261 B 1932" -----	38 59 56.17	94 10 48.61	5,189
T. 48 N., R. 29 W., W. sixteenth cor. sec. 6, crossroads -----	38 59 54.0	94 09 41.7	5,289
(Continued in Orrick quadrangle; see line 3.)			
5. FROM HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 17, T. 48 N., R. 30 W., NORTHEAST TO SEC. 4, T. 48 N., R. 30 W. (by W. V. Kennedy in 1933) (Continued from Harrisonville No. 2 quadrangle; see line 8.)			
T-rd. N. -----	38 57 53.6	94 14 48.6	(1,240)
T. 48 N., R. 30 W., E. sixteenth cor. sec. 17, 24 ft. N. and 21 ft. E. from T-rd. E., 1 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 4 K 1933" --	38 58 19.86	94 14 47.13	2,662
Rd. at fence E. on line between secs. 8 and 17, T. 48 N., R. 30 W. -----	36 58 45.9	94 14 46.2	2,637
T. 48 N., R. 30 W., quarter cor. between secs. 8 and 9, rd. at fences N. and S. -----	36 59 11.4	94 14 27.3	2,979
T-rd. N. on line through center sec. 9, T. 48 N., R. 30 W. -----	38 59 23.5	94 13 53.2	2,965
T-rd. W. -----	38 59 23.1	94 13 36.5	1,316
T T 260 B 1932 (previously described) -----	38 59 35.81	94 13 35.61	1,290
6. FROM ORRICK QUADRANGLE SOUTH ALONG JACKSON COUNTY HIGHWAY 24-E TO SEC. 21, T. 47 N., R. 29 W., THENCE SOUTH AND WEST ALONG ROADS INTO GARDEN CITY QUADRANGLE AT SEC. 31, T. 46 N., R. 29 W. (by W. V. Kennedy, O. C. Shelley, and C. E. Wyrick in 1934)			
262 B 1932 (In Orrick quadrangle; see line 3.) --	39 00 03.68	94 07 45.05	.....
T. 48 N., R. 29 W., cor. secs. 4, 5, 8, and 9, highway at brush fence W. -----	38 59 24.4	94 07 46.6	3,970
Junction of rd. E. on line through center sec. 9, T. 48 N., R. 29 W. -----	36 58 59.1	94 07 44.0	2,570
T. 48 N., R. 29 W., cor. secs. 8, 9, 16, and 17, junction of rd. W. -----	38 56 33.3	94 07 48.9	2,640
T. 48 N., R. 29 W., quarter cor. between secs. 16 and 17, crossroad -----	38 58 07.4	94 07 50.2	2,630
T. 48 N., R. 29 W., cor. secs. 16, 17, 20, and 21, junction of rd. E. -----	38 57 41.0	94 07 51.3	2,670
T. 48 N., R. 29 W., quarter cor. between secs. 20 and 21, crossroad -----	38 57 15.2	94 07 52.4	2,610
T. 48 N., R. 29 W., cor. secs. 20, 21, 28, and 29, crossroad -----	36 56 49.5	94 07 53.5	2,605



Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 48 N., R. 29 W., cor. secs. 28, 29, 32, and 33, 20 ft. S. and 385 ft. E. from, 5 ft. N. of right-of-way fence, on Faulkenberry property, 250 ft. S. and 80 ft. E. from SE. corner of barn, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 55 57.96	94 07 51.62	5,220
T. 48 N., R. 29 W., about 0.2 mi. S. of N. cor. secs. 32 and 33, W. of Jackson County Highway 24-E, 75 ft. S. and 37 ft. E. from SE. corner of Crosider dwelling, 2 ft. E. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 55 47.92	94 07 56.95	1,100
Iron pin at Topscott place, 80 ft. N. and 60 ft. W. from corner fence post, 10 ft. W. of right-of-way fence -----	38 55 00.6	94 07 58.6	4,785
T. 47 N., R. 29 W., cor. secs. 4, 5, 8, and 9, 60 ft. N. and 34 ft. W. from, 4 ft. W. of W. right-of-way fence of Jackson County Highway 24-E, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 54 27.44	94 08 00.19	3,361
T. 47 N., R. 29 W., N. sixteenth cor. between secs. 8 and 9, 380 ft. S. and 42 ft. E. from, 22 ft. E. of E. edge of pavement of Jackson County Highway 24-E, 1 ft. E. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 54 09.53	94 08 00.30	1,810
T. 47 N., R. 29 W., cor. secs. 8, 9, 16, and 17 -----	38 53 30.7	94 08 03.3	3,939
T. 47 N., R. 29 W., quarter cor. between secs. 16 and 17 -----	38 53 04.2	94 08 04.6	2,683
T. 47 N., R. 29 W., cor. secs. 16, 17, 20, and 21, 10 ft. S. and 47 ft. E. from, 47 ft. E. of Jackson County Highway 24-E, 7 ft. E. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 52 40.21	94 08 05.33	2,430
T. 47 N., R. 29 W., quarter cor. between secs. 20 and 21, 194 ft. N. and 54 ft. E. from junction of U.S. Highway 50 and Jackson County Highway 24-E, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 52 15.79	94 08 06.56	2,472
T. 47 N., R. 29 W., cor. secs. 20, 21, 28, and 29, stone -----	38 51 47.6	94 08 08.8	2,864
Crossroads -----	38 51 07.6	94 08 11.4	4,050
T. 47 N., R. 29 W., on line between secs. 32 and 33, about 0.4 mi. N. of Cass-Jackson county line, 18 ft. E. of rd., 2 ft. inside right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 50 21.79	94 08 13.55	4,630
T. 47 N., R. 29 W., S. cor. secs. 32 and 33, T-rd. N. on Cass-Jackson county line -----	38 50 01.1	94 08 14.9	2,100
T. 46 N., R. 29 W., W. sixteenth cor. sec. 4, rd. at fences E. and W. -----	38 49 34.3	94 08 02.6	2,870
Rd. forks, 58 ft. N. and 64 ft. E. from bridge over Crawford Creek -----	38 49 08.1	94 08 03.9	2,660
T. 46 N., R. 29 W., cor. secs. 4, 5, 8, and 9, rd. at fences N. and S. -----	38 49 08.2	94 08 20.7	1,330
T. 46 N., R. 29 W., E. sixteenth cor. between secs. 5 and 8, T-rd. W. -----	38 49 08.5	94 08 37.4	1,320
T. 46 N., R. 29 W., E. sixteenth cor. sec. 8, rd. at fence E. -----	38 48 42.0	94 08 38.8	2,680
T. 46 N., R. 29 W., E. sixteenth cor. between secs. 8 and 17, 20 ft. N. of T-rd. N., 2 ft. N. and 2 ft. E. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 48 15.64	94 08 40.07	2,670
T-rd. S. -----	38 48 05.2	94 08 24.1	1,650
T-rd. W. -----	38 47 35.2	94 08 25.6	3,030
Center of bridge -----	38 47 06.2	94 08 26.8	2,935
T. 46 N., R. 29 W., cor. secs. 20, 21, 28, and 29, T-rd. E. -----	38 46 28.5	94 08 29.0	3,830
T. 46 N., R. 29 W., quarter cor. between secs. 28 and 29, crossroads -----	38 46 01.8	94 08 30.6	2,695
T. 46 N., R. 29 W., near cor. secs. 28, 29, 32, and 33, 35 ft. N. of State Highway 58, 40 ft. S. of Missouri Pacific R.R., 30 ft. NW. of W. head wall of culvert, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 45 29.17	94 08 32.73	3,310
Crawford Creek, center of bridge over -----	38 45 32.2	94 09 26.5	4,270
T-rd. E. -----	38 45 24.7	94 09 57.5	2,570
Rd. at fence E. on line through center sec. 31, T. 46 N., R. 29 W. -----	38 45 11.4	94 09 57.8	1,340

(Continued in Garden City quadrangle; see line 3.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
7. FROM HARRISONVILLE NO. 2 QUADRANGLE EAST ALONG JACKSON COUNTY HIGHWAY 8-S TO SEC. 28, T. 48 N., R. 29 W. (by W. V. Kennedy and O. C. Shelley in 1933-34) (Continued from Harrisonville No. 2 quadrangle; see line 7.)			
Junction of rd. S. -----	38 56 35.0	94 14 44.6	(1,834)
T. 48 N., R. 30 W., quarter cor. between secs. 28 and 29, highway at hedge fence S. -----	38 56 34.7	94 14 34.8	771
T. 48 N., R. 30 W., center sec. 28, highway at tangent of rd. S. produced at fence N. -----	38 56 34.0	94 14 01.4	2,641
Sni A Bar Creek, center of bridge over -----	38 56 33.9	94 13 58.8	207
T. 48 N., R. 30 W., quarter cor. between sec. 27 and 28 -----	38 56 33.3	94 13 28.1	2,430
Junction of Jackson County Route 20-E, 300 ft. N. of junction of rd. E. at Tarsney -----	38 56 32.6	94 12 54.6	2,650
T. 48 N., R. 30 W., near S. sixteenth cor. between secs. 26 and 27, 34 ft. N. of Jackson County Highway 8-S, in SE. corner of yard of New Liberty Baptist Church, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 56 19.09	94 12 21.27	2,970
Junction of rd. S. -----	38 56 17.7	94 11 57.0	1,930
Crossroad -----	38 56 17.0	94 11 32.2	1,960
Crossroad -----	38 56 19.9	94 10 58.6	2,870
Sni A Bar Creek, center of bridge over -----	38 56 27.3	94 10 05.6	4,260
T. 48 N., R. 29 W., center sec. 30, junction of rd. S. -----	38 56 26.6	94 09 34.7	2,440
Junction of rd. S. -----	38 56 09.6	94 08 11.7	6,780
Junction of Jackson County Route 24-E -----	38 55 59.8	94 07 56.4	1,570
U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 55 57.96	94 07 51.62	420

8. FROM SEC. 33, T. 47 N., R. 29 W., WEST TO SEC. 4, T. 46 N., R. 30 W.,  
THENCE NORTH TO SEC. 28, T. 48 N., R. 30 W. (by W. V. Kennedy and  
O. C. Shelley in 1934)

U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 50 21.79	94 08 13.55	.....
Center of culvert -----	38 50 03.7	94-09 07.1	4,614
T. 47 N., R. 29 W., S. cor. secs. 31 and 32, 7 ft. N. and 12 ft. E. from T-rd. N., about 160 ft. E. of T-rd. S. -----	38 50 04.3	94 09 22.9	1,260
Rd. at fence N. on line through center sec. 31, T. 47 N., R. 29 W. -----	38 50 05.2	94 09 57.0	2,700
Tps. 46 and 47 N., Rs. 29 and 30 W., cor. of, T-rd. E. -----	38 50 06.1	94 10 30.2	2,630
T. 47 N., Rs. 29 and 30 W., quarter cor. between secs. 31 and 36, 23 ft. S. and 33 ft. W. from Jackson County Highway 22-E at rd. W., 5 ft. S. and 4 ft. W. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 50 31.80	94 10 29.21	2,602
T. 47 N., R. 30 W., center sec. 36 -----	38 50 31.7	94 11 03.3	2,701
T. 47 N., R. 30 W., S. cor. secs. 35 and 36, stone on Cass-Jackson county line -----	38 50 05.2	94 11 38.2	3,850
E. end of bridge -----	38 50 06.8	94 12 07.3	2,310
T. 47 N., R. 30 W., W. sixteenth cor. on S. line sec. 34, T-rd. N. -----	38 50 05.5	94 13 33.6	6,830
T. 46 N., R. 30 W., N. cor. secs. 3 and 4, 25 ft. N. and 465 ft. W. from Cass-Jackson county-line rd. at rd. S., 82 ft. SW. of SW. corner of dwelling on land belonging to Thornton Estate, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 50 05.68	94 13 55.44	1,734
Rd. at fence S. on line through center sec. 4, T. 46 N., R. 30 W. -----	38 50 05.7	94 14 22.8	2,164
Thornton triangulation sta. U.S.C. & G.S. limestone post designated "Thornton" -----	38 50 05.50	94 14 47.13	1,930
T. 47 N., R. 30 W., S. cor. secs. 32 and 33, stone -----	38 50 05.7	94 14 57.0	780
T. 47 N., R. 30 W., quarter cor. between secs. 32 and 33, rd. at hedge fence E. and wire fence W. T. 47 N., R. 30 W., cor. secs. 28, 29, 32, and 33 -----	38 50 31.8	94 14 55.4	2,640
Prairie Creek, center of culvert over W. fork of T. 47 N., R. 30 W., quarter cor. between secs. 21 and 28, 65 ft. N. and 25 ft. W. from Jackson County Highway 15-S at crossroad, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 50 57.8	94 14 54.1	2,640
T. 47 N., R. 30 W., center sec. 21, rd. at fence W. -----	38 51 14.1	94 14 24.2	2,875
T. 47 N., R. 30 W., quarter cor. between secs. 16 and 21, T-rd. E. -----	38 51 50.69	94 14 17.91	3,740
	38 52 16.1	94 14 16.2	2,575
	38 52 42.1	94 14 14.8	2,630

Station	Latitude			Longitude			Distance
	°	'	"	°	'	"	
T. 47 N., R. 30 W., center sec. 16, U.S. Highway 50 at rd. S. in Cockrell -----	38	53	08.4	94	14	13.6	2,660
T. 47 N., R. 30 W., E. sixteenth cor. sec. 9, T-rd. W. -----	38	54	00.4	94	13	54.4	5,480
T. 47 N., R. 30 W., E. sixteenth cor. between secs. 4 and 9, 25 ft. S. and 24 ft. E. from T-rd. E., in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38	54	26.45	94	13	52.83	2,640
T. 47 N., R. 30 W., N. quarter cor. sec. 4, stone, 185 ft. W. of S. quarter cor. sec. 33, T. 48 N., R. 30 W. -----	38	55	15.2	94	14	07.2	5,070
T. 48 N., R. 30 W., center sec. 33 -----	38	55	41.4	94	14	03.7	2,670
Sn1 A Bar Creek, center of bridge over (previously described) -----	38	56	33.9	94	13	58.8	5,320

9. FROM CHAPEL HILL EAST AND SOUTH TO SEC. 25, T. 46 N., R. 29 W.  
(by J. P. Anderson and G. E. Gregory in 1934)

Chapel Hill triangulation sta. (previously described) -----	38	54	47.36	94	03	28.60	.....
T. 48 N., R. 28 W., 175 ft. W. of W. sixteenth cor. sec. 33, 102 ft. S. and 69 ft. W. from dwelling on farm of T. G. Wood, N. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38	55	18.88	94	01	02.86	11,950
T. 48 N., R. 28 W., near center sec. 33, N. of rd., near intersection of fences, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38	55	18.36	94	00	43.98	1,490
T. 47 N., R. 28 W., 172 ft. N. of S. sixteenth cor. between secs. 8 and 9, 24 ft. N. of dwelling on property of E. G. Landis, E. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38	53	35.54	94	01	15.29	10,690
T. 47 N., R. 28 W., 153 ft. N. of cor. secs. 8, 9, 16, and 17, W. of rd., on land of R. H. Rowland, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38	53	22.15	94	01	16.82	1,360
Rd. at fence W. -----	38	52	14.4	94	01	20.5	6,650
Center of culvert -----	38	51	30.6	94	01	22.9	4,440
T. 47 N., R. 28 W., on line between secs. 28 and 29, 1 mi. E. of Elm, 42 ft. S. and 25 ft. W. from U.S. Highway 50 at crossroad, on land of Aren Brooks, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 233 C W A 1934" -----	38	51	07.77	94	01	24.38	2,320
T-rd. W. -----	38	50	54.9	94	01	24.8	1,300
Rd. at fences E. and W. -----	38	50	28.1	94	01	26.3	2,720
T-rd. E. -----	38	50	01.7	94	01	28.0	2,680
Rd. at fences E. and W. -----	38	49	33.7	94	01	29.6	2,830
Crossroads -----	38	49	07.2	94	01	31.0	2,690
Rd. at fences N. and S. -----	38	49	07.6	94	01	48.1	1,360
T. 46 N., R. 28 W., 620 ft. W. of S. sixteenth cor. sec. 5, 293 ft. W. of W. end of bridge, S. of rd., on land of James Ford, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 234 C W A 1934" -----	38	49	08.35	94	02	13.01	1,970
Rd. at fence E. -----	38	48	41.8	94	02	07.1	2,720
Rd. at hedge fence W. -----	38	48	15.5	94	02	08.8	2,670
Junction of rds. -----	38	48	01.0	94	02	09.6	1,460
Crossroads -----	38	48	03.2	94	02	43.6	2,700
Center of bridge -----	38	48	03.8	94	02	57.4	1,090
Crossroads -----	38	48	04.8	94	03	34.5	2,935
Center of bridge -----	38	47	47.7	94	03	35.5	1,740
T. 46 N., R. 28 W., near W. sixteenth cor. between secs. 18 and 19, 34 ft. N. and 25 ft. E. from crossroads, on right-of-way, opposite Seventh Day Adventist Church, in concrete post; standard tablet stamped "T T 235 C W A 1934" -----	38	47	13.34	94	03	36.78	3,480
T-rd. W. -----	38	46	46.5	94	03	38.5	2,720
Rd. at fences E. and W. -----	38	46	33.2	94	03	39.2	1,350
T-rd. E. -----	38	46	01.6	94	03	41.3	3,190
Baker triangulation sta. (previously described) -	38	45	37.17	94	04	13.11	3,540

10. FROM CHAPEL HILL WEST TO SEC. 28, T. 48 N., R. 29 W. (by O. C. Shelley  
in 1934)

Chapel Hill triangulation sta. (previously described) -----	38	54	47.36	94	03	28.60	.....
T. 48 N., R. 29 W., near E. sixteenth cor. sec. 35, across rd. from Shore Cemetery, 6 ft. S. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -	38	55	25.82	94	04	52.93	7,720

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 48 N., R. 29 W., center sec. 35, 440 ft. S. and 300 ft. E. from stone, 75 ft. E. of centerline of dwelling of Joe Wilkinson, 5 ft. S. of right-of-way fence, 36 ft. E. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 55 26.26	94 05 10.63	1,400
T. 48 N., R. 29 W., N. sixteenth cor. between secs. 33 and 34, 25 ft. S. and 500 ft. E. from, 100 ft. S. and 50 ft. W. from SE. corner of dwelling of T. T. Johnson, 45 ft. S. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 55 42.14	94 06 42.60	7,440
T. 48 N., R. 29 W., N. sixteenth cor. between secs. 33 and 34, 30 ft. S. and 876 ft. W. from, 125 ft. S. of SE. corner of dwelling of Sam Davis, 10 ft. S. of right-of-way fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 55 42.75	94 07 01.22	1,470
U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 55 57.96	94 07 51.62	4,270

11. FROM SEC. 29, T. 46 N., R. 29 W., EAST ALONG STATE HIGHWAY 58 TO SEC. 36, T. 46 N., R. 29 W., THENCE EAST ALONG ROADS INTO ODESSA QUADRANGLE AT SEC. 34, T. 46 N., R. 28 W.  
(by W. V. Kennedy in 1934)

U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 45 29.17	94 08 32.73	.....
Junction of rd. S. on line through center sec. 33, T. 46 N., R. 29 W. -----	38 45 28.6	94 07 59.0	2,670
Crossroad on line through center of $\frac{1}{4}$ sec. 34, T. 46 N., R. 29 W. -----	38 45 28.1	94 07 07.3	4,100
Center of culvert, 100 ft. W. of crossroads -----	38 45 23.1	94 06 16.8	4,030
Kingsville, 1.4 mi. NW. of, along State Highway 58, 37 ft. N. and 23 ft. W. from junction of rd. N., 54 ft. S. and 23 ft. W. from Missouri Pacific R.R. at rd. crossing, in concrete post; standard tablet stamped "416 C W A 1934" -----	38 45 15.37	94 05 26.08	4,100
Highway at hedge fence on line between secs. 35 and 36, T. 46 N., R. 29 W. -----	38 45 07.2	94 05 09.2	1,570

(For balance in Garden City quadrangle, see line 7.)

T-rd. E. -----	38 45 13.8	94 03 44.2	(4,000)
Rd. at hedge fence W. on line between secs. 30 and 31, T. 46 N., R. 28 W. -----	38 45 27.1	94 03 43.2	1,340
Baker triangulation sta. (previously described) -----	38 45 37.17	94 04 13.11	2,580
T-rd. E. (previously described) -----	38 45 13.8	94 03 44.2	.....
T. 46 N., R. 28 W., quarter cor. between secs. 30 and 31, rd. corner from S.-E. at hedge fence N. -----	38 45 26.4	94 03 26.0	1,910
T. 46 N., R. 28 W., center of SE $\frac{1}{4}$ sec. 30, T-rd. E. -----	38 45 39.1	94 03 08.4	1,900
T. 46 N., R. 28 W., S. sixteenth cor. between secs. 29 and 30, rd. at hedge fence S. -----	38 45 38.6	94 02 51.8	1,320
T-rd. E. -----	38 45 29.8	94 02 01.4	4,090
T. 46 N., R. 28 W., cor. secs. 28, 29, 32, and 33, 670 ft. N. and 45 ft. W. from, 36 ft. S. and 46 ft. E. from T-rd. N., 18 ft. N. of fence, in concrete post; standard tablet stamped "412 C W A 1934" -----	38 45 29.44	94 01 44.34	1,350
T-rd. W. -----	38 45 30.7	94 01 27.5	1,340
T. 46 N., R. 28 W., cor. secs. 27, 28, 33, and 34, rd. at fence S. -----	38 45 20.3	94 00 37.0	4,140
T. 46 N., R. 28 W., quarter cor. between secs. 27 and 34, rd. corner from W.-S. -----	38 45 19.0	94 00 02.9	2,700
Rd. corner from N.-E. -----	38 45 05.8	94 00 05.6	1,340
Prim Trav Sta No 11 1914 Mo (In Odessa quadrangle; see line 1.) -----	38 45 05.08	93 59 29.27	2,720

12. FROM HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 16, T. 46 N., R. 30 W., EAST TO SEC. 8, T. 46 N., R. 29 W. (by W. A. Wheeler in 1934)  
(Continued from Harrisonville No. 2 quadrangle; see line 12.)

Center of bridge -----	38 47 27.0	94 14 34.8	(5,340)
T. 46 N., R. 30 W., cor. secs. 15, 16, 21, and 22 -----	38 47 26.5	94 13 59.6	2,800
Crossroads -----	38 47 27.2	94 13 42.8	1,330
T. 46 N., R. 30 W., center sec. 15 -----	38 47 52.0	94 13 24.6	2,695
T. 46 N., R. 30 W., quarter cor. between secs. 14 and 15, 175 ft. S. and 510 ft. E. from, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 47 49.85	94 12 44.81	3,160

Station	Latitude	Longitude	Distance
T. 46 N., R. 30 W., center sec. 14, T-rd. N. ----	° ' " 38 47 50.9	° ' " 94 12 17.7	Feet 2,150
T. 46 N., R. 30 W., quarter cor. between secs. 13 and 14, stone -----	38 47 50.2	94 11 44.8	2,610
T. 46 N., R. 30 W., cor. secs. 13, 14, 23, and 24 -----	38 47 24.0	94 11 46.4	2,650
T. 46 N., R. 30 W., quarter cor. between secs. 13 and 24 -----	38 47 25.0	94 11 12.8	2,660
T. 46 N., Rs. 29 and 30 W., cor. secs. 13, 18, 19, and 24 -----	38 47 25.8	94 10 39.2	2,660
T. 46 N., R. 30 W., E. quarter cor. sec. 13, 380 ft. N. and 12 ft. E. from W. quarter cor. sec. 18, T. 46 N., R. 29 W. -----	38 47 52.6	94 10 37.9	2,710
T. 46 N., R. 30 W., E. cor. secs. 12 and 13, 60 ft. S. and 42 ft. W. from rd. at fence W., in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 48 18.63	94 10 36.77	2,630
T. 46 N., R. 29 W., quarter cor. between secs. 7 and 18 -----	38 48 17.6	94 10 04.0	2,600
T. 46 N., R. 29 W., cor. secs. 7, 8, 17, and 18 -----	38 48 16.4	94 09 30.4	2,660
T. 46 N., R. 29 W., quarter cor. between secs. 8 and 17 -----	38 48 15.6	94 08 57.0	2,640
U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 48 15.64	94 08 40.07	1,345

17. FROM HARRISONVILLE NO. 2 QUADRANGLE EAST ALONG JACKSON COUNTY HIGHWAY 15-S TO SEC. 21, T. 47 N., R. 30 W. (by C. E. Wyrick in 1934)  
(Continued from Harrisonville No. 2 quadrangle; see line 10.)

T. 47 N., R. 30 W., cor. secs. 20, 21, 28, and 29, highway at fences N. and S. -----	38 51 50.1	94 14 51.1	(2,640)
U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 51 50.69	94 14 17.91	2,620

14. FROM HARRISONVILLE NO. 2 QUADRANGLE EAST ALONG U.S. HIGHWAY 50 INTO ODESSA QUADRANGLE (Fourth-order traverse by State Highway Department in 1934)  
(Continued from Harrisonville No. 2 quadrangle; see line 16.)

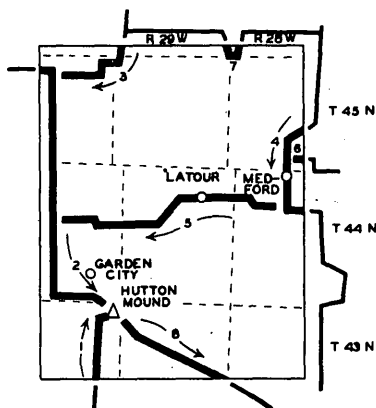
Highway at hedge fences N. and S. on line between secs. 16 and 17, T. 47 N., R. 30 W. -----	38 53 18.6	94 14 46.4	(3,030)
Junction of rd. W. -----	38 53 08.4	94 14 30.4	1,630
Junction of rd. S. (previously described) -----	38 53 08.4	94 14 15.6	1,328
Junction of rd. E. -----	38 53 08.3	94 13 58.8	1,172
Highway at wire fences N. and S. on line between secs. 15 and 16, T. 47 N., R. 30 W. -----	38 53 03.5	94 13 40.4	1,530
Junction of Jackson County Highway 20-E -----	38 52 47.3	94 12 51.3	4,220
T. 47 N., R. 30 W., cor. secs. 14, 15, 22, and 23 -----	38 52 42.0	94 12 35.0	1,400
Crossroad on line between secs. 23 and 24, T. 47 N., R. 30 W. -----	38 52 20.3	94 11 29.4	5,640
Junction of Jackson County Highway 22-E -----	38 52 11.4	94 10 22.8	5,340
Highway at fences N. and S. -----	38 52 13.8	94 09 52.1	2,435
Highway at fences N. and S. on line between secs. 19 and 20, T. 47 N., R. 29 W. -----	38 52 16.2	94 09 16.0	2,870
Crossroad on line through center sec. 20, T. 47 N., R. 29 W. -----	38 52 15.0	94 08 41.6	2,720
U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 52 15.79	94 08 06.56	2,775
Crossroad -----	38 52 12.1	94 07 15.9	4,022
Highway at Jackson-Johnson county line on line between secs. 21 and 22, T. 47 N., R. 29 W. -----	38 52 11.6	94 06 59.0	1,340
Junction of rd. S. -----	38 52 11.0	94 06 42.0	1,350
Highway at fences N. and S. on line between secs. 22 and 23, T. 47 N., R. 29 W. -----	38 52 09.4	94 05 51.0	4,035
Junction of rd. S. on line through center sec. 23, T. 47 N., R. 29 W. -----	38 52 08.1	94 05 16.6	2,725
Junction of rd. N. on line between secs. 23 and 24, T. 47 N., R. 29 W. -----	38 52 06.9	94 04 42.8	2,680
Junction of rd. E. -----	38 52 07.1	94 03 42.4	4,780
T. 47 N., Rs. 28 and 29 W., cor. secs. 19, 24, 25, and 30, highway at hedge fences E. and W. -----	38 51 39.8	94 03 35.5	2,820
Junction of rd. S. -----	38 51 28.0	94 03 20.8	1,825
Highway at fences N. and S. on line through center sec. 30, T. 47 N., R. 28 W. -----	38 51 24.5	94 03 05.0	1,240
Elm, crossroad on line between secs. 29 and 30, T. 47 N., R. 28 W. -----	38 51 10.7	94 02 32.2	2,950
Junction of rd. S. -----	38 51 10.1	94 02 11.4	1,650
T T 233 C W A 1934 (previously described) -----	38 51 07.77	94 01 24.38	3,730
Crossroad -----	38 51 05.7	94 00 32.8	4,090

(Continued in Odessa quadrangle; see line 7.)

Magnetic declination 8° 03' E.

GARDEN CITY QUADRANGLE  
(Latitude  $38^{\circ}30' - 38^{\circ}45'$ ; longitude  $94^{\circ}00' - 94^{\circ}15'$ )

Cass, Henry, and Johnson Counties



1. FROM URICH QUADRANGLE AT SEC. 24, T. 43 N., R. 30 W., NORTH TO SEC. 1,  
T. 43 N., R. 30 W. (by W. R. Broadus in 1933)  
(Continued from Urich quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 43 N., R. 30 W., cor. secs. 13, 14, 23, and 24, 105 ft. S. and 34 ft. E. from crossroads, 8 ft. S. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 50 B 1933" -----	38 30 43.27	94 11 42.53	(5,167)
T. 43 N., R. 30 W., cor. secs. 11, 12, 13, and 14, crossroads -----	38 31 36.5	94 11 40.8	5,383
T. 43 N., R. 30 W., cor. secs. 1, 2, 11, and 12, crossroads -----	38 32 28.9	94 11 38.8	5,298
Hutton Mound triangulation sta.; U.S.C. & G.S. standard disk stamped "Hutton Mound 1922" -----	38 32 51.52	94 10 50.14	4,492

2. FROM HARRISONVILLE QUADRANGLE AT SEC. 4, T. 45 N., R. 30 W., SOUTH AND EAST TO SEC. 1, T. 43 N., R. 30 W. (by R. E. Keim and W. A. Wheeler in 1934)  
(Continued from Harrisonville quadrangle; see line 1.)

Rd. at fence N. -----	38 44 50.2	94 14 43.1	(2,735)
Rd. at fences E. and W. -----	38 44 21.9	94 14 28.8	3,080
T. 45 N., R. 30 W., E. sixteenth cor. between secs. 4 and 9, 18 ft. N. and 24 ft. E. from crossroads, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 43 55.99	94 14 29.77	2,630
T. 45 N., R. 30 W., E. sixteenth cor. sec. 9 -----	38 43 29.5	94 14 31.6	2,690
T. 45 N., R. 30 W., E. sixteenth cor. between secs. 9 and 16, T-rd. N. -----	38 43 03.3	94 14 32.9	2,650
T. 45 N., R. 30 W., quarter cor. between secs. 9 and 16, T-rd. S. -----	38 43 03.9	94 14 49.7	1,330
T. 45 N., R. 30 W., center sec. 16 -----	38 42 37.7	94 14 51.0	2,650
T. 45 N., R. 30 W., quarter cor. between secs. 16 and 21, crossroads -----	38 42 11.6	94 14 52.2	2,645
T. 45 N., R. 30 W., center sec. 21 -----	38 41 45.4	94 14 53.6	2,660
T. 45 N., R. 30 W., quarter cor. between secs. 21 and 28, T-rd. N. -----	38 41 19.2	94 14 55.0	2,650
T. 45 N., R. 30 W., cor. secs. 21, 22, 27, and 28, 23 ft. N. and 23 ft. E. from crossroads, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 41 18.21	94 14 21.03	2,690
T-rd. N. -----	38 40 11.4	94 14 24.5	6,770
T-rd. W. -----	38 39 46.1	94 14 25.9	2,560
Rd. at fences E. and W. on line between secs. 4 and 34, Tps. 44 and 45 N., R. 30 W. -----	38 39 33.1	94 14 25.9	1,310
T. 44 N., R. 30 W., 1.5 mi. N. of cor. secs. 4, 5, 8, and 9, 0.5 mi. N. of County Route C (now State Highway 131), 22 ft. N. and 3 ft. E. from rd. corner from E.-S., in concrete post; U.S.C. & G.S. and State Survey standard tablet-----	38 39 05.99	94 14 42.66	3,050

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T-rd. W., 33 ft. S. of T-rd. E. -----	38 38 39.7	94 14 43.8	2,660
T-rd. W., 15 ft. S. of T-rd. E. -----	38 37 47.2	94 14 45.9	5,320
T. 44 N., R. 30 W., cor. secs. 8, 9, 16, and 17, 29 ft. N. and 20 ft. E. from crossroads, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 36 55.27	94 14 47.70	5,250
T. 44 N., R. 30 W., cor. secs. 16, 17, 20, and 21, crossroads -----	38 36 02.7	94 14 50.4	5,330
State Highway 35 at crossroad on line between secs. 20 and 21, T. 44 N., R. 30 W. -----	38 35 41.6	94 14 51.4	2,130
State Highway 35 at fence E. -----	38 35 25.8	94 14 17.3	3,150
T. 44 N., R. 30 W., in SE 1/4 SE 1/4 sec. 21, 41 ft. N. of State Highway 35, 25 ft. W. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 35 11.93	94 13 46.42	2,820
Crossroads -----	38 35 08.8	94 13 46.2	320
Rd. at fences E. and W. -----	38 34 29.6	94 13 48.0	3,970
Crossroads -----	38 34 16.5	94 13 48.5	1,325
Rd. at fences E. and W. -----	38 34 03.4	94 13 49.1	1,325
Tps. 43 and 44 N., R. 30 W., cor. secs. 4, 5, 33, and 34, 27 ft. N. and 50 ft. W. from cross- roads, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 33 24.60	94 13 50.08	3,930
Rd. at fence S. -----	38 33 23.1	94 12 59.3	4,030
Rd. at fence S. -----	38 33 22.4	94 12 26.5	2,605
Tps. 43 and 44 N., R. 30 W., approximate cor. secs. 1, 2, 35, and 36, crossroads -----	38 33 21.0	94 11 37.2	3,920
Hutton Mound triangulation sta. (previously described) -----	38 32 51.52	94 10 50.14	4,790

3. FROM LONEJACK QUADRANGLE AT SEC. 31, T. 46 N., R. 29 W., SOUTHWEST TO  
SEC. 4, T. 45 N., R. 30 W. (by R. E. Keim and O. C. Shelley in 1934)  
(Continued from Lonejack quadrangle; see line 6.)

T-rd. E. on line between secs. 6 and 31, Tps. 45 and 46 N., R. 29 W. -----	38 44 44.7	94 09 59.7	(2,700)
T-rd. W. at SE corner of Strasburg Cemetery -----	38 44 28.6	94 10 00.6	1,625
Eig Creek, W. end of bridge over -----	38 44 28.8	94 10 14.0	1,060
Rd. at W. end of bridge -----	38 44 27.9	94 10 50.6	2,900
T. 45 N., R. 30 W., approximate N. sixteenth cor. sec. 1, T-rd. E. -----	38 44 29.4	94 11 23.6	2,620
T. 45 N., R. 30 W., quarter cor. between secs. 1 and 12, 6 ft. S. and 16 ft. E. from, in front yard of dwelling of Dr. J. E. Roberts, 7 ft. NE. of 30-in. locust tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 43 49.97	94 11 25.14	3,990
T-rd. S., 15 ft. E. of T-rd. N. -----	38 43 51.5	94 11 58.4	2,640
W. rail of Chicago, Rock Island & Pacific Ry. at rd. crossing -----	38 43 52.0	94 12 17.7	1,530
Rd. at fences N. and S. -----	38 43 53.0	94 13 06.6	3,880
Rd. at fence S. -----	38 43 53.6	94 13 25.9	1,530
Rd. at fences N. and S. -----	38 43 54.6	94 13 56.8	2,450
U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 43 55.99	94 14 29.77	2,620

4. FROM HOLDEN QUADRANGLE SOUTH ALONG STATE HIGHWAY 131 BY WAY OF MEDFORD  
INTO HOLDEN QUADRANGLE AT SEC. 10, T. 44 N., R. 28 W.  
(by J. P. Anderson in 1934)  
(Continued from Holden quadrangle; see line 2.)

T. 45 N., R. 28 W., quarter cor. between secs. 22 and 27, junction of rd. S. -----	38 40 52.7	94 00 18.1	(2,710)
T. 45 N., R. 28 W., center sec. 27, highway at fence E. -----	38 40 26.2	94 00 19.6	2,690
T. 45 N., R. 28 W., S. sixteenth cor. sec. 27, 155 ft. N. and 48 ft. W. from, 45 ft. S. 15° E. of SE corner of Pleasant View School, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 40 14.44	94 00 20.82	1,190
T. 45 N., R. 28 W., quarter cor. between secs. 27 and 34, junction of rd. W. -----	38 39 59.5	94 00 21.2	1,510
Junction of rd. E. -----	38 39 35.8	94 00 22.5	2,400
Chicago, Rock Island & Pacific Ry. at crossing of County Route B (this position may be in error 300 ft. S.) -----	38 39 03.9	94 00 25.7	3,239
Junction of rd. E. -----	38 38 45.8	94 00 17.3	1,951
Highway at fence E. -----	38 38 19.5	94 00 18.6	2,660
T. 44 N., R. 28 W., probable quarter cor. between secs. 3 and 4, highway at hedge fences E. and W. -----	38 37 53.4	94 00 19.7	2,641
T. 44 N., R. 28 W., cor. secs. 3, 4, 9, and 10, 80 ft. N. and 33 ft. E. from T-rd. N., in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 37 28.00	94 00 20.38	2,573

(Continued in Holden quadrangle; see line 2.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
5. FROM SEC. 4, T. 44 N., R. 28 W., WEST ALONG STATE HIGHWAY 2 AND ROADS BY WAY OF LATOUR TO SEC. 9, T. 44 N., R. 30 W. (by J. P. Anderson in 1934)			
U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 37 28.00	94 00 20.38	.....
Highway at fences N. and S. -----	38 37 21.1	94 01 45.0	6,755
Junction of rd. E. on N.-S. line through center sec. 8, T. 44 N., R. 28 W. -----	38 37 23.2	94 02 01.5	1,324
Junction of rd. W. about 0.5 mi. N. of quarter cor. between secs. 5 and 8, T. 44 N., R. 28 W. -----	38 37 55.8	94 02 00.2	3,290
Highway at hedge fence N. about 0.5 mi. N. of cor. secs. 5, 6, 7, and 8, T. 44 N., R. 28 W. -----	38 37 56.6	94 02 33.8	2,662
T. 44 N., R. 28 W., center sec. 6, 45 ft. N. and 300 ft. E. from crossroads, about 1 mi. E. of Roe Hill, in yard of dwelling of R. M. Montgomery, in concrete post; standard tablet stamped "261 C W A 1934" -----	38 37 57.64	94 03 03.39	2,353
Highway at fence on line between secs. 1 and 6, T. 44 N., Rs. 28 and 29 W. -----	38 37 57.4	94 03 41.8	3,047
Junction of rd. S. -----	38 37 58.2	94 04 18.3	2,900
Big Creek, center of bridge over Latour, about 0.2 mi. E. of, 30 ft. S. and 20 ft. E. from St. Louis-San Francisco Ry. at State Highway 131, in concrete post; standard tablet stamped "262 C W A 1934" -----	38 37 59.6	94 05 04.3	3,650
Latour, crossroad in front of high school -----	38 38 00.10	94 05 47.12	3,400
Junction of rd. N. on Cass-Johnson county line --	38 38 01.0	94 06 11.4	1,927
Junction of rd. S. -----	38 37 50.1	94 07 01.6	4,136
Rd. at fences E. and W. -----	38 37 50.3	94 07 51.9	3,988
T. 44 N., R. 29 W., near W. sixteenth cor. between secs. 9 and 16, 31 ft. S. and 18 ft. W. from crossroads, on land of S. E. Hutchins, in concrete post; standard tablet -----	38 37 24.5	94 07 52.8	2,635
T. 44 N., R. 29 W., quarter cor. between secs. 8 and 17, rd. at fences N. and S. -----	38 36 44.71	94 07 54.42	4,008
T. 44 N., R. 29 W., cor. secs. 7, 8, 17, and 18, crossroads -----	38 36 46.1	94 08 43.9	3,929
T. 44 N., R. 29 and 30 W., cor. secs. 7, 12, 13, and 18, crossroads -----	38 36 46.9	94 09 17.2	2,650
T. 44 N., R. 30 W., quarter cor. between secs. 12 and 13, rd. at fences N. and S. -----	38 36 48.3	94 10 22.4	5,176
T. 44 N., R. 30 W., cor. secs. 11, 12, 13, and 14, 25 ft. S. and 50 ft. E. from crossroads, in concrete post; standard tablet stamped "264 C W A 1934" -----	38 36 49.2	94 10 55.6	2,635
T. 44 N., R. 30 W., cor. secs. 10, 11, 14, and 15, crossroads -----	38 36 49.79	94 11 28.29	2,597
T. 44 N., R. 30 W., cor. secs. 9, 10, 15, and 16, crossroads -----	38 36 51.8	94 12 35.4	5,334
T. 44 N., R. 30 W., W. sixteenth cor. between secs. 9 and 16, rd. at fences N. and S. -----	38 36 53.4	94 13 41.7	5,265
U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 36 54.5	94 14 31.5	3,951
	38 36 55.27	94 14 47.70	1,290
6. FROM SEC. 27, T. 45 N., R. 28 W., EAST INTO HOLDEN QUADRANGLE AT SEC. 34, T. 45 N., R. 28 W. (by G. T. Gregory in 1934)			
U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 40 14.44	94 00 20.82	.....
T-rd. -----	38 39 32.9	94 00 22.7	4,210
(Continued in Holden quadrangle; see line 4.)			
7. FROM LONEJACK QUADRANGLE AT SEC. 36, T. 46 N., R. 29 W., EAST TO KINGSVILLE, THENCE NORTHEAST INTO LONEJACK QUADRANGLE AT SEC. 31, T. 46 N., R. 28 W. (by W. V. Kennedy in 1934) (Continued from Lonejack quadrangle; see line 11.)			
Main track of Missouri Pacific R.R. at rd. crossing -----	38 44 45.2	94 04 21.5	(4,390)
Kingsville, main track of Missouri Pacific R.R. at rd. crossing -----	38 44 39.6	94 04 09.3	1,120
(Continued in Lonejack quadrangle; see line 11.)			
8. FROM SEC. 1, T. 43 N., R. 30 W., SOUTHEAST ALONG STATE HIGHWAY 35 INTO URICH QUADRANGLE (fourth-order traverse by State Highway Department in 1934)			
Hutton Mound triangulation sta. (previously described) -----	38 32 51.52	94 10 50.14	.....



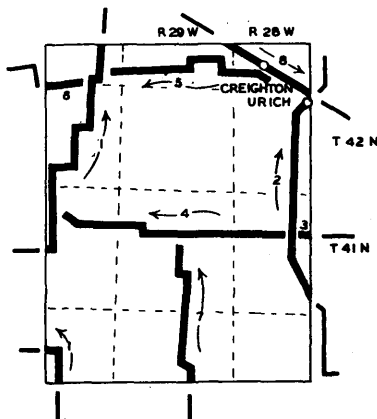
Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Crossroad on line between secs. 1 and 6, T. 43 N., Rs. 29 and 30 W. -----	38 33 05.3	94 10 31.2	2,053
Junction of private entrance -----	38 32 35.6	94 09 52.5	4,300
Crossroad on line between secs. 6 and 7, T. 43 N., R. 29 W. -----	38 32 25.7	94 09 41.2	1,347
Highway at fences E. and W. on E.-W. line through center sec. 8, T. 43 N., R. 29 W. -----	38 31 58.9	94 09 10.5	3,650
Crossroad on line between secs. 8 and 17, T. 43 N., R. 29 W. -----	38 31 32.1	94 08 43.0	4,383
Highway at hedge fences E. and W. on line between secs. 16 and 17, T. 43 N., R. 29 W. -----	38 31 09.4	94 08 22.7	2,803
Crossroad on N.-S. line through center sec. 16, T. 43 N., R. 29 W. -----	38 31 03.0	94 07 50.0	2,683
T. 43 N., R. 29 W., quarter cor. between secs. 15 and 16, stone in hedge row, 200 ft. N. of highway -----	38 31 04.3	94 07 17.0	2,624
Crossroad near center sec. 15, T. 43 N., R. 29 W. -----	38 31 01.6	94 06 43.2	2,702
Highway at fences N. and S. on line between secs. 14 and 15, T. 43 N., R. 29 W. -----	38 30 45.8	94 06 10.9	3,022
Highway at fences E. and W. on line between secs. 14 and 23, T. 43 N., R. 29 W. -----	38 30 36.4	94 05 56.7	1,471
Crossroad on line between secs. 23 and 24, T. 43 N., R. 29 W. -----	38 30 16.1	94 05 05.6	4,555
Highway at fences N. and S. on N.-S. line through center sec. 24, T. 43 N., R. 29 W. -----	38 30 08.3	94 04 32.4	2,760

(Continued in Urich quadrangle; see line 8.)

Magnetic declination 7° 40' E.

URICH QUADRANGLE  
(Latitude 38°15'-38°30'; longitude 94°00'-94°15')

Bates, Cass, and Henry Counties



1. FROM APPLETON CITY QUADRANGLE AT SEC. 21, T. 40 N., R. 30 W., NORTH  
INTO GARDEN CITY QUADRANGLE AT SEC. 24, T. 43 N., R. 30 W.  
(by W. R. Broadus in 1933)

(Continued from Appleton City quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 40 N., R. 30 W., cor. secs. 15, 16, 21, and 22, 25 ft. N. and 100 ft. E. from crossroads, 67 ft. S. of center of S. side of Summit School, in concrete post; standard tablet stamped "T T 23 B 1933" -----	38 15 41.91	94 14 17.98	(5,274)
T. 40 N., R. 30 W., cor. secs. 9, 10, 15, and 16, T-rd. S. -----	38 16 33.6	94 14 17.2	5,232

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

T. 41 N., R. 30 W., cor. secs. 15, 16, 21, and 22, 28 ft. S. and 63 ft. E. from crossroads, 45 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 46 B 1933" -----	38 20 54.44	94 14 08.82	(5,338)
--	-------------	-------------	---------

Station	Latitude			Longitude			Distance Feet
	°	'	"	°	'	"	
T. 41 N., R. 30 W., cor. secs. 9, 10, 15, and 16, rd. at E.-W. fence -----	38	21	46.8	94	14	07.8	5,298
T. 41 N., R. 30 W., quarter cor. between secs. 9 and 10, crossroads -----	38	22	12.7	94	14	07.1	2,631
T. 41 N., R. 30 W., quarter cor. between secs. 3 and 4, crossroads -----	38	23	04.8	94	14	05.1	5,260
Tps. 41 and 42 N., R. 30 W., cor. secs. 3, 4, 33, and 34, about 35 ft. N. and 80 ft. W. from, 34 ft. N. of County Route 2 (now State Highway 18), 103 ft. N. of rd. forks, 30 ft. W. of rd., 5 ft. NW. of fence corner, in concrete post; standard tablet stamped "T T 47 B 1933" -----	38	23	32.40	94	14	05.46	2,793
Altona, rd. corner at NE. limits of -----	38	24	01.0	94	13	53.5	3,045
T-rd. S. on line between secs. 27 and 34, T. 42 N., R. 30 W. -----	38	24	23.7	94	13	52.5	2,298
T. 42 N., R. 30 W., E. sixteenth cor. between secs. 27 and 34, rd. corner from E.-N. -----	38	24	22.7	94	13	10.4	3,354
T-rd. E. -----	38	24	35.6	94	13	09.7	1,310
T. 42 N., R. 30 W., cor. secs. 22, 23, 26, and 27, rd. corner from W.-N. -----	38	25	14.2	94	12	51.5	4,156
T-rd. S. -----	38	25	40.2	94	12	50.5	2,629
T. 42 N., R. 30 W., W. sixteenth cor. sec. 23, 30 ft. N. and 42 ft. W. from T-rd. N., in schoolyard, in concrete post; standard tablet stamped "T T 48 B 1933" -----	38	25	39.96	94	12	34.49	1,270
T-rd. S. -----	38	26	05.7	94	12	32.9	2,611
T. 42 N., R. 30 W., E. sixteenth cor. between secs. 14 and 23, T-rd. N. -----	38	26	05.1	94	12	00.1	2,606
Grand River, center of bridge over -----	38	26	42.9	94	12	00.7	3,819
Center of bridge over drainage ditch -----	38	27	10.8	94	11	58.4	2,827
Tps. 42 and 43 N., R. 30 W., on line between secs. 2 and 35, 75 ft. S. and 22 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 49 B 1933" -----	38	28	06.73	94	11	54.88	5,665
T. 43 N., R. 30 W., W. sixteenth cor. on S. line sec. 36, T-rd. N. -----	38	28	07.0	94	11	32.7	1,760
T-rd. E. -----	38	28	33.3	94	11	31.7	2,654
T-rd. S. -----	38	29	01.0	94	11	30.6	2,809
Crossroads -----	38	29	25.6	94	11	38.0	2,549
T. 43 N., R. 30 W., N. sixteenth cor. between secs. 25 and 26, stone in fence on S. side of rd. corner -----	38	29	38.8	94	11	45.6	1,467
T. 43 N., R. 30 W., cor. secs. 23, 24, 25, and 26, crossroads -----	38	29	52.2	94	11	45.0	1,357

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

2. FROM CLINTON QUADRANGLE AT SEC. 34, T. 41 N., R. 28 W., NORTH BY WAY OF  
PIPER INTO CLINTON QUADRANGLE AT URICH (by C. D. Craig in 1934)  
(Continued from Clinton quadrangle; see line 2.)

T-rd. W. -----	38	18	51.1	94	00	05.2	(4,490)
T. 41 N., R. 28 W., near center of NE 1/4 sec. 27, 27 ft. N. and 6 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 617 C W A 1934" -----	38	19	30.37	94	00	03.56	3,970
T-rd. N. at hedge fence S. -----	38	19	30.7	94	00	36.7	2,640
Rd. corner from S.-W. -----	38	19	56.6	94	00	35.5	2,620
T. 41 N., R. 28 W., quarter cor. between secs. 21 and 22, rd. at fences E. and W. -----	38	20	10.1	94	00	51.6	1,873
Piper, crossroads at cor. secs. 15, 16, 21, and 22, T. 41 N., R. 28 W. -----	38	20	36.1	94	00	50.4	2,639
Rd. at fences E. and W. -----	38	21	02.2	94	00	49.2	2,639
T. 41 N., R. 28 W., cor. secs. 9, 10, 15, and 16, 72 ft. N. and 24 ft. W. from County Route E (now State Highway 18) at crossroad, about 1 mi. N. of Piper, in concrete post; standard tablet stamped "T T 618 C W A 1934" -----	38	21	28.92	94	00	48.13	2,705
Rd. at fences E. and W. -----	38	21	54.3	94	00	46.7	2,570
T. 41 N., R. 28 W., cor. secs. 3, 4, 9, and 10, crossroads -----	38	22	20.3	94	00	45.5	2,625
T-rd. W. at fence E. -----	38	22	46.5	94	00	44.3	2,640
T. 41 N., R. 28 W., N. cor. secs. 3 and 4, T-rd. S., 125 ft. W. of T-rd. N. at S. cor. -----	38	23	13.1	94	00	42.5	2,705
T. 42 N., R. 28 W., quarter cor. between secs. 33 and 34, T-rd. W. near cemetery -----	38	23	39.4	94	00	39.9	2,670
T. 42 N., R. 28 W., cor. secs. 27, 28, 33, and 34, 196 ft. S. and 30 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T 435 C W A 1934" -----	38	24	03.29	94	00	39.31	2,420
T-rd. E. -----	38	24	31.3	94	00	37.4	2,640
T. 42 N., R. 28 W., cor. secs. 21, 22, 27, and 28, crossroads -----	38	24	57.7	94	00	36.3	2,665

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Rd. at fences E. and W. -----	38 25 36.8	94 00 34.2	3,955
T. 42 N., R. 28 W., cor. secs. 15, 16, 21, and 22, T-rd. S. -----	38 25 49.8	94 00 33.4	1,325
T. 42 N., R. 28 W., in NW 1/4 sec. 15, 13 ft. N. of gate at entrance to dwelling of E. F. Sevier, 35 ft. E. of rd., in concrete post; standard tablet stamped "T T 436 C W A 1934" -----	38 26 21.98	94 00 15.40	3,550
T. 42 N., R. 28 W., W. sixteenth cor. between secs. 10 and 15, rd. at fences E. and W. -----	38 26 42.0	94 00 14.8	2,030
Grand River, center of bridge over old channel of -----	38 27 25.0	94 00 11.9	4,360
Urlich, concrete sign at center of Fourth and C Streets -----	38 27 34.2	94 00 03.3	1,145

(Continued in Clinton quadrangle; see line 2.)

3. FROM SEC. 10, T. 41 N., R. 28 W., EAST ALONG COUNTY ROUTE E  
(now State Highway 18) INTO CLINTON QUADRANGLE (by C. D. Craig in 1934)

T T 618 C W A 1934 (previously described) -----	38 21 28.92	94 00 48.13	.....
T. 41 N., R. 28 W., quarter cor. between secs. 10 and 15, highway at fences N. and S. -----	38 21 27.8	94 00 14.7	2,668

(Continued in Clinton quadrangle; see line 3.)

4. FROM SEC. 10, T. 41 N., R. 28 W., WEST ALONG COUNTY ROUTE E (now  
State Highway 18) TO SEC. 3, T. 41 N., R. 30 W. (by C. D. Craig  
in 1934)

T T 618 C W A 1934 (previously described) -----	38 21 28.92	94 00 48.13	.....
T. 41 N., R. 28 W., quarter cor. between secs. 9 and 16, highway at hedge fences N. and S. -----	38 21 29.5	94 01 21.2	2,635
T. 41 N., R. 28 W., cor. secs. 8, 9, 16, and 17, crossroad -----	38 21 30.7	94 01 54.4	2,650
T. 41 N., R. 28 W., quarter cor. between secs. 8 and 17, highway at fences N. and S. -----	38 21 31.6	94 02 27.4	2,630
T. 41 N., R. 28 W., cor. secs. 7, 8, 17, and 18, crossroad -----	38 21 32.5	94 03 00.5	2,635
T. 41 N., R. 28 W., quarter cor. between secs. 7 and 18, highway at fences N. and S. -----	38 21 33.3	94 03 33.7	2,645
T. 41 N., R. 28 and 29 W., cor. secs. 7, 12, 13, and 18, on Bates-Henry county line, 30 ft. N. and 7 ft. W. from County Route E (now State Highway 18) at fences N. and S., in concrete post; standard tablet stamped "T T 633 C W A 1934" -----	38 21 34.36	94 04 08.19	2,755
T. 41 N., R. 29 W., quarter cor. between secs. 12 and 13, crossroad -----	38 21 35.0	94 04 40.9	2,610
Highway at fence N. -----	38 21 35.9	94 05 14.4	2,670
T. 41 N., R. 29 W., quarter cor. between secs. 11 and 14, junction of rd. N. -----	38 21 36.6	94 05 47.1	2,605
T. 41 N., R. 29 W., cor. secs. 10, 11, 14, and 15, highway at fences N. and S. -----	38 21 37.3	94 06 20.4	2,655
T. 41 N., R. 29 W., quarter cor. between secs. 10 and 15, highway at fence S. -----	38 21 38.2	94 06 53.6	2,645
T. 41 N., R. 29 W., cor. secs. 9, 10, 15, and 16, 30 ft. S. and 37 ft. E. from County Route E (now State Highway 18) at crossroad, in concrete post; standard tablet stamped "T T 634 C W A 1934" -----	38 21 38.79	94 07 26.27	2,600
Highway at fences N. and S. -----	38 21 40.0	94 07 59.8	2,675
Pallard, highway from E.-N. at rd. S. at cor. secs. 8, 9, 16, and 17, T. 41 N., R. 29 W. ----	38 21 40.7	94 08 33.0	2,645
Highway from S.-W. at rd. N. -----	38 22 06.9	94 08 31.9	2,645
T. 41 N., R. 29 W., center sec. 8, highway at fence S. on E. side of lane to schoolhouse ----	38 22 07.6	94 09 05.1	2,640
Junction of rd. N. -----	38 22 08.4	94 09 38.6	2,670
T. 41 N., R. 29 W., center sec. 7, 0.5 mi. N., thence 1.5 mi. W. from Pallard, 28 ft. N. of County Route E (now State Highway 18) at hedge fence N., in concrete post; standard tablet stamped "T T 635 C W A 1934" -----	38 22 09.62	94 10 11.42	2,620
Crossroad, 150 ft. S. of W. quarter cor. sec. 7, T. 41 N., R. 29 W., 10 ft. N. of E. quarter cor. sec. 12, T. 41 N., R. 30 W. -----	38 22 08.8	94 10 47.7	2,890
T. 41 N., R. 30 W., center sec. 12, highway at fences N. and S. -----	38 22 09.2	94 11 20.8	2,635
Highway at fence N. -----	38 22 09.6	94 11 53.8	2,630
Crossroad -----	38 22 09.9	94 12 10.5	1,330
T. 41 N., R. 30 W., quarter cor. between secs. 10 and 11, 38 ft. S. and 33 ft. E. from County Route E (now State Highway 18) at rd. S., in concrete post; standard tablet stamped "T T 636 C W A 1934" -----	38 22 10.75	94 12 59.91	3,935

\*In 1936 it was reported that this tablet was moved 8 ft. due E. of its original location. The description and coordinates given refer to the new position.

Station	Latitude	Longitude	Distance
Highway at fences N. and S. -----	36 22 11.9	94 13 33.8	Feet 2,700
T. 41 N., R. 30 W., cor. secs. 3, 4, 9, and 10, highway at fences E. and W. -----	36 22 38.8	94 14 06.1	3,745
T T 47 B 1933 (previously described) -----	36 23 32.40	94 14 05.46	5,424

5. FROM CLINTON QUADRANGLE AT URICH NORTHWEST TO POINT 1 MILE SOUTH  
OF CREIGHTON, THENCE WEST TO SEC. 35, T. 43 N., R. 30 W.  
(by C. D. Craig in 1934)

State Highway 35 at crossroad -----	38 27 54.3	94 00 10.6	(2,565)
State Highway 35 at crossroad -----	38 28 11.8	94 00 43.5	3,160
State Highway 35 at fence S. -----	38 28 21.4	94 00 59.8	1,620
State Highway 35 at fences E. and W. -----	38 28 33.0	94 01 19.4	1,950
Urich, 2 mi. NW. of, along State Highway 35, 590 ft. E. of T-rd. N. at approximate cor. secs. 28, 29, 32, and 33, T. 43 N., R. 28 W., 27 ft. N. and 27 ft. E. from crossroad, in concrete post; standard tablet stamped "T T 444 C W A 1934" -----	38 28 46.63	94 01 41.55	2,240
T. 43 N., R. 28 W., quarter cor. between secs. 29 and 32, T-rd. N. -----	38 28 47.3	94 02 22.0	3,220
Rd. at fences N. and S. -----	38 28 48.0	94 02 55.0	2,620
St. Louis-San Francisco Ry. at rd. crossing -----	38 28 48.5	94 03 26.5	2,505
T-rd. S. at fence N. -----	38 28 49.0	94 03 44.8	1,460
T. 43 N., R. 29 W., quarter cor. between secs. 25 and 36, 34 ft. N. and 24 ft. E. from T-rd. E., about 1 mi. S. of Creighton, in concrete post; standard tablet stamped "T T 445 C W A 1934" --	38 28 50.22	94 04 34.76	3,975
T-rd. W. -----	38 29 02.9	94 04 34.7	1,280
Crossroads -----	38 29 03.8	94 05 08.9	2,640
Rd. at fences N. and S. -----	38 29 04.5	94 05 41.1	2,645
Rd. corner from N.-W. -----	38 29 51.8	94 05 58.3	1,875
T. 43 N., R. 29 W., cor. secs. 26, 27, 34, and 35, crossroads -----	38 28 52.2	94 06 15.0	1,330
Crossroads -----	38 28 53.2	94 07 04.8	3,960
T. 43 N., R. 29 W., quarter cor. between secs. 28 and 33, rd. at fences N. and S. -----	38 28 54.2	94 07 54.6	3,960
T. 43 N., R. 29 W., cor. secs. 28, 29, 32, and 33, T-rd. S. -----	38 28 55.0	94 08 27.9	2,650
T. 43 N., R. 29 W., quarter cor. between secs. 29 and 32, crossroads -----	38 28 55.8	94 09 01.2	2,655
T. 43 N., R. 29 W., cor. secs. 29, 30, 31, and 32, 35 ft. N. and 30 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 233 C W A 1934" -----	38 28 56.99	94 09 34.89	2,680
T. 43 N., R. 29 and 30 W., cor. secs. 25, 30, 31, and 36, rd. at fence N. -----	38 28 58.0	94 10 40.9	5,250
T T 49 B 1933 (previously described) -----	38 28 06.73	94 11 54.88	7,643

6. FROM SEC. 35, T. 43 N., R. 30 W., WEST INTO ADRIAN QUADRANGLE AT  
SEC. 33, T. 43 N., R. 30 W. (by W. A. Wheeler in 1934)

T T 49 B 1933 (previously described) -----	36 28 06.73	94 11 54.88	.....
T. 43 N., R. 30 W., S. quarter cor. sec. 35, rd. at fence N. -----	36 28 08.2	94 12 22.6	2,206
T. 42 N., R. 30 W., N. cor. secs. 2 and 3, rd. at fence S. -----	36 28 08.9	94 12 43.9	1,700
T. 42 N., R. 30 W., N. quarter cor. sec. 3, rd. at hedge fence S. -----	36 28 09.6	94 13 16.7	2,610
T. 43 N., R. 30 W., S. cor. secs. 33 and 34, rd. at hedge fence -----	36 28 10.9	94 14 02.0	3,600
T. 43 N., R. 30 W., S. quarter cor. sec. 33, rd. at hedge fence N. -----	36 28 11.7	94 14 35.4	2,660

(Continued in Adrian quadrangle; see line 6.)

7. FROM APPLETON CITY QUADRANGLE AT SEC. 22, T. 40 N., R. 29 W., NORTH  
TO SEC. 15, T. 41 N., R. 29 W. (by C. D. Craig in 1936)  
(Continued from Appleton City quadrangle; see line 6.)

Spruce, 2 mi. SE. of, near E. sixteenth cor. sec. 22, T. 40 N., R. 29 W., 40 ft. S. of T-rd. N., 74 ft. N. and 42 ft. W. from NW. corner of Pleasant Home Baptist Church, in concrete post; standard tablet stamped "T T 28 C 1936" -----	38 15 08.22	94 06 53.63	(3,153)
T. 40 N., R. 29 W., quarter cor. between secs. 14 and 15, crossroads -----	38 15 57.4	94 06 35.2	5,187
Rd. corner from W.-S. -----	38 15 58.7	94 07 08.9	2,694
Spruce, rd. corner from N.-E. -----	38 15 58.7	94 07 58.6	3,963
T. 40 N., R. 29 W., E. sixteenth cor. between secs. 9 and 16, T-rd. E. -----	38 16 25.9	94 07 57.6	2,750

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
Spruce, 0.9 mi. N. of, in SE 1/4 sec. 9, T. 40 N., R. 29 W., 48 ft. W. of NW. corner of Cherry Grove School, 32 ft. E. of rd., in concrete post; standard tablet stamped "T T 29 C 1936" -----	38 16 45.35	94 07 56.52	1,974
T-rd. N., 10 ft. W. of hedge fence S. at cor. secs. 3, 4, 9, and 10, T. 40 N., R. 29 W. -----	38 17 17.9	94 07 39.2	3,570
T. 40 N., R. 29 W., quarter cor. between secs. 3 and 4, crossroads -----	38 17 44.1	94 07 38.1	2,655
Point in line with rds. N. and W., 55 ft. E. of rd. S. -----	38 18 09.9	94 07 36.0	2,613
T. 41 N., R. 30 W., cor. secs. 27, 28, 33, and 34, 28 ft. N. and 2 ft. W. from stone, 3 mi. S. and 1 mi. E. from Ballard, 28 ft. N. and 16 ft. E. from T-rd. S.; steel rail stamped "T T 30 C 1936" -----	38 19 02.49	94 07 33.91	5,322
T-rd. N. -----	38 19 01.8	94 07 17.4	1,320
T-rd. E. -----	38 19 32.9	94 07 15.9	3,144
T-rd. W. -----	38 19 47.1	94 07 15.1	1,440
T-rd. E. -----	38 19 46.4	94 07 31.9	1,340
Rd. corner from S.-W. -----	38 20 20.7	94 07 30.4	3,474
T. 41 N., R. 29 W., cor. secs. 15, 16, 21, and 22, crossroads -----	38 20 46.9	94 07 29.3	2,653
T T 634 C W A 1934 (previously described) -----	38 21 38.79	94 07 26.27	5,255

8. FROM GARDEN CITY QUADRANGLE SOUTHEAST ALONG STATE HIGHWAY 35 INTO  
CLINTON QUADRANGLE (fourth-order traverse by State Highway Department  
in 1934)

(Continued from Garden City quadrangle; see line 8.)

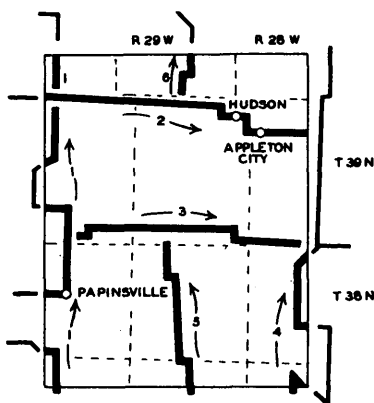
Highway at fences N. and S. on Cass-Henry county line, on line between secs. 19 and 24, T. 43 N., Rs. 28 and 29 W. -----	38 29 55.4	94 04 00.2	(2,875)
Highway at fences E. and W. on line between secs. 19 and 30, T. 43 N., R. 28 W. -----	38 29 41.0	94 03 34.4	2,515
Highway at fences N. and S. on line between secs. 29 and 30, T. 43 N., R. 28 W. -----	38 29 19.8	94 02 56.1	3,724
Crossroad on N.-S. line through center sec. 29, T. 43 N., R. 28 W. -----	38 29 04.1	94 02 21.1	3,203
Crossroad on line between secs. 28 and 29, T. 43 N., R. 28 W. -----	38 28 49.9	94 01 48.5	2,968
Junction of private N.-S. driveway -----	38 28 27.6	94 01 10.2	3,788
Crossroad (previously described) -----	38 28 11.7	94 00 43.4	2,670
T. 43 N., R. 28 W., S. quarter cor. sec. 34, stone -----	38 27 52.1	94 00 10.8	3,263

(Continued in Clinton quadrangle; see line 6.)

Magnetic declination 8° 10' E.

APPLETON CITY QUADRANGLE  
(Latitude 38°00'–38°15'; longitude 94°00'–94°15')

Bates, Henry, St. Clair, and Vernon Counties



1. FROM SEC. 16, T. 37 N., R. 30 W., NORTH INTO URICH QUADRANGLE AT SEC. 21, T. 40 N., R. 30 W. (by W. R. Broadus in 1933)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 37 N., R. 30 W., cor. secs. 8, 9, 16, and 17, T-rd. N. (in Walker quadrangle)*	37 59 36.6	94 14 45.3	.....
T. 37 N., R. 30 W., quarter cor. between secs. 8 and 9, rd. at fence	38 00 02.8	94 14 44.1	2,652
T. 37 N., R. 30 W., cor. secs. 4, 5, 8, and 9, rd. at old fence E.	38 00 28.8	94 14 42.9	2,628
Rd. at fence E.	38 01 03.1	94 14 41.1	3,477

(For balance in Butler No. 3 quadrangle, see line 1.)

T. 38 N., R. 30 W., S. sixteenth cor. between secs. 16 and 17, rd. corner from S.-E.	38 04 09.7	94 14 29.7	(6,258)
Osage River at Papinsville, center of bridge over	38 04 05.1	94 13 53.8	2,911
Papinsville, about 0.2 mi. E. of Osage River, 81 ft. S. and 22 ft. E. from cross streets, in concrete post; standard tablet stamped "T 18 B 1933"	38 04 01.85	94 13 36.14	1,446
T. 38 N., R. 30 W., quarter cor. between secs. 15 and 16, rd. corner from W.-N.	38 04 18.6	94 13 22.8	2,002
T. 38 N., R. 30 W., cor. secs. 9, 10, 15, and 16, T-rd. E.	38 04 44.6	94 13 21.5	2,635
T. 38 N., R. 30 W., cor. secs. 3, 4, 9, and 10, T-rd. S., 10 ft. E. of T-rd. N.	38 05 36.7	94 13 18.8	5,265
Mission Branch, center of bridge over	38 06 24.1	94 13 16.3	4,803
T. 39 N., R. 30 W., in SW 1/4 SW 1/4 sec. 34, 22 ft. S. of rd. E., 42 ft. E. of rd. S., 19 ft. E. of rd. N. produced, in concrete post; standard tablet stamped "T 19 B 1933"	38 06 42.16	94 13 14.67	1,831
T-rd. S.	38 07 22.0	94 13 11.9	4,028
T. 39 N., R. 30 W., N. cor. secs. 33 and 34, rd. at fence S.	38 07 22.8	94 13 47.9	2,885
T. 39 N., R. 30 W., W. sixteenth cor. between secs. 28 and 33, T-rd. N.	38 07 23.2	94 14 05.1	1,374

(For balance in Butler No. 3 quadrangle, see line 1.)

T. 39 N., R. 30 W., center sec. 8, T-rd. N.	38 10 28.4	94 14 45.6	(2,819)
Junction of abandoned rd. W.	38 10 54.6	94 14 44.3	2,647
Center of ford across creek	38 11 12.8	94 14 43.8	1,845
Rd. corner from S.-W.	38 11 46.9	94 14 42.0	3,448
Rd. corner from W.-N.	38 12 00.1	94 14 41.2	1,335
T-rd. S.	38 12 26.2	94 14 39.9	2,842
T. 39 N., R. 30 W., N. cor. secs. 4 and 5, State Highway 52 at junction of rd. S.	38 13 05.4	94 14 04.9	4,854
T. 40 N., R. 30 W., S. cor. secs. 33 and 34, 37 ft. N. and 62 ft. E. from junction of rd. N., in concrete post; standard tablet stamped "T 22 B 1933"	38 13 06.34	94 14 24.31	1,554
T. 40 N., R. 30 W., cor. secs. 27, 28, 33, and 34, T-rd. W.	38 13 57.8	94 14 23.0	5,209

\*Published also in Walker quadrangle (see Bull. 916-E).

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 40 N., R. 30 W., cor. secs. 21, 22, 27, and 28, crossroads -----	38 14 49.8	94 14 21.2	5,260

(Continued in Ulrich quadrangle; see line 1.)

2. FROM BUTLER NO. 3 QUADRANGLE EAST ALONG STATE HIGHWAY 52 INTO CLINTON NO. 3 QUADRANGLE (by C. E. Wyrick in 1934)  
(Continued from Butler No. 3 quadrangle; see line 5.)

T. 40 N., R. 30 W., S. quarter cor. sec. 33, highway at fence N. -----	38 13 06.8	94 14 58.1	(2,640)
T. 22 B 1933 (previously described) -----	38 13 06.34	94 14 24.31	2,723
T. 40 N., R. 30 W., S. quarter cor. sec. 34, highway at fence N. -----	38 13 05.0	94 13 51.1	2,575
T. 40 N., R. 30 W., S. cor. secs. 34 and 35, highway at fence N. -----	38 13 04.3	94 13 19.1	2,635
T. 40 N., R. 30 W., S. quarter cor. sec. 35, junction of rd. N. -----	38 13 03.6	94 12 45.7	2,660
T. 40 N., R. 30 W., S. cor. secs. 35 and 36, highway at fence N. -----	38 13 02.8	94 12 12.8	2,625
T. 40 N., R. 30 W., S. quarter cor. sec. 36, highway at fence N. -----	38 13 02.1	94 11 39.6	2,650
T. 40 N., Rs. 29 and 30 W., 579 ft. W. of S. cor. secs. 31 and 36, 12 ft. S. of highway, in top of SE. handrail post of concrete bridge; standard tablet stamped "T T 1126 W 1934" -----	38 13 01.40	94 11 14.52	2,005
T. 40 N., R. 29 W., S. quarter cor. sec. 31, junction of rd. N. -----	38 13 00.6	94 10 33.8	3,255
T. 40 N., R. 29 W., S. cor. secs. 31 and 32, highway at fence N. -----	38 12 59.8	94 10 00.6	2,650
T. 40 N., R. 29 W., S. quarter cor. sec. 32, junction of rd. N. -----	38 12 59.1	94 09 27.4	2,650
T. 40 N., R. 29 W., S. cor. secs. 32 and 33, highway at fence N. -----	38 12 58.3	94 08 54.7	2,610
T. 40 N., R. 29 W., 800 ft. W. of S. cor. secs. 33 and 34, 0.6 mi. E. of Pleasant Ridge Presbyterian Church, 29 ft. N. of highway, 10 ft. W. of SE. corner of orchard of R. B. Cook, in concrete post; standard tablet stamped "T T 1127 W 1934" -----	38 12 57.27	94 07 58.92	4,450
Junction of rd. N. -----	38 12 56.3	94 07 32.2	2,140
Junction of old rd. E. -----	38 12 26.0	94 07 25.8	3,115
T-rd. N. in line with highway from N.-E. -----	38 12 00.1	94 07 27.1	2,620
Junction of private rd. N. -----	38 11 58.9	94 06 44.4	3,410
Crossroad on line between secs. 3 and 4, T. 39 N., R. 29 W. -----	38 11 58.4	94 06 21.3	1,850
Appleton City, about 4 mi. W. of, at W. end of bridge G-722 1924, in top of NW. handrail post; standard tablet stamped "T T 1126 W 1934" -----	38 11 58.08	94 05 37.16	3,520
Junction of rd. E. -----	38 11 44.7	94 05 15.7	2,180
Highway at fence S. -----	38 11 30.6	94 04 40.7	3,140
Crossroad on line between secs. 1 and 2, T. 39 N., R. 29 W. -----	38 11 29.7	94 04 10.2	2,430
Highway at hedge fence N. -----	38 11 29.3	94 03 36.1	2,750
Appleton City, about 1.1 mi. W. of, 32 ft. N. and 210 ft. E. from crossroad on Bates-St. Clair county line, in concrete post; standard tablet stamped "T T 1129 W 1934" -----	38 11 28.69	94 02 59.86	2,890
Junction of rd. S. on line between secs. 5 and 6, T. 39 N., R. 28 W. -----	38 11 26.5	94 02 13.0	3,750
Appleton City, ball on top of municipal water tower, about 1 block S. of Missouri-Kansas-Texas R.R. sta. -----	38 11 19.0	94 01 46.4	2,250
Appleton City, main track of Missouri-Kansas-Texas R.R. at highway crossing -----	38 11 25.9	94 01 46.1	700
Junction of rd. N. -----	38 11 23.6	94 00 50.3	4,455
406 C W A 1934 (In Clinton No. 3 quadrangle; see line 3.) -----	38 11 21.62	93 59 45.80	5,155

3. FROM SEC. 34, T. 39 N., R. 30 W., EAST INTO CLINTON NO. 3 QUADRANGLE AT SEC. 34, T. 39 N., R. 26 W. (by J. P. Anderson and W. A. Wheeler in 1934)

T T 19 B 1933 (previously described) -----	38 06 42.16	94 13 14.67	.....
T-rd. S. -----	38 07 21.3	94 12 42.6	4,713
T. 39 N., R. 30 W., cor. secs. 26, 27, 34, and 35, T-rd. N. -----	38 07 20.4	94 12 09.5	2,650
Center of bridge -----	38 07 19.5	94 11 34.3	2,810
T. 39 N., R. 30 W., cor. secs. 25, 26, 35, and 36, 20 ft. S. and 42 ft. W. from T-rd. S., in concrete post; standard tablet stamped "265 C W A 1934 29 J 1934 820" -----	38 07 18.48	94 11 04.95	2,350

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 39 N., R. 30 W., quarter cor. between secs. 25 and 36, crossroads -----	38 07 17.7	94 10 30.9	2,720
T. 39 N., R. 29 W., W. cor. secs. 30 and 31, N.-S. fence in line with rd. E., 54 ft. N. of rd. W. at E. cor. secs. 25 and 36, T. 39 N., R. 30 W. -----	38 07 17.3	94 09 57.7	2,660
Rd. at fences N. and S. -----	38 07 15.3	94 09 05.9	4,300
T-rd. N. -----	38 07 14.4	94 08 30.5	2,670
Rd. at fences N. and S. -----	38 07 13.6	94 07 57.6	2,630
T. 39 N., R. 29 W., cor. secs. 28, 29, 32, and 33, 36 ft. S. and 29 ft. W. from crossroads, in concrete post; standard tablet stamped "269 C W A 1934 28 J 1934 777" -----	38 07 12.79	94 07 41.71	1,280
Rd. at fences N. and S. -----	38 07 12.5	94 07 10.0	2,540
T. 39 N., R. 29 W., cor. secs. 27, 28, 33, and 34, T-rd. S. -----	38 07 11.6	94 06 34.8	2,810
Rd. at fence S. -----	38 07 10.8	94 06 01.8	2,640
T. 39 N., R. 29 W., cor. secs. 26, 27, 34, and 35, T-rd. N. -----	38 07 10.1	94 05 28.3	2,680
T. 39 N., R. 29 W., near quarter cor. between secs. 26 and 35, 7 ft. E. of entrance to Pleasant Grove Cemetery, 4 ft. N. of fence, in concrete post; standard tablet stamped "311 C W A 1934" -----	38 07 09.26	94 04 53.10	2,810
T. 39 N., R. 29 W., cor. secs. 25, 26, 35, and 36, crossroads -----	38 07 08.8	94 04 22.2	2,470
T. 39 N., R. 29 W., about 0.3 mi. S. of cor. secs. 25, 26, 35, and 36, 18 ft. E. of rd., 15 ft. N. of center of iron gate, 3 ft. SW. of SW. corner of farmhouse yard, in concrete post; standard tablet stamped "27 J 1934 802" -----	38 06 51.69	94 04 22.81	1,730
Rd. at fence E. -----	38 06 42.6	94 04 23.4	925
Tps. 38 and 39 N., R. 29 W., approximate cor. secs. 1, 2, 35, and 36, crossroads -----	38 06 16.6	94 04 24.6	2,630
Missouri-Kansas-Texas R.R. at rd. crossing -----	38 06 15.9	94 03 50.3	2,750
Crossroads -----	38 06 14.9	94 03 18.1	2,560
Rd. at fence S. -----	38 06 13.4	94 02 36.0	3,565
Tps. 38 and 39 N., R. 28 W., cor. secs. 5, 6, 31, and 32, crossroads -----	38 06 12.6	94 02 11.3	1,980
Tps. 38 and 39 N., R. 28 W., approximate quarter cor. between secs. 5 and 32, 24 ft. S. and 25 ft. W. from, 24 ft. S. of rd., on land of Clarence Damer, in concrete post; standard tablet -----	38 06 11.31	94 01 38.45	2,630
T. 39 N., R. 28 W., S. cor. secs. 32 and 33, T-rd. N. -----	38 06 10.4	94 01 05.2	2,660
295 C W A 1934 26 J 1934 842 (In Clinton No. 3 quadrangle; see line 1.) -----	38 06 08.29	93 59 58.27	5,350

4. FROM SEC. 9, T. 37 N., R. 28 W., NORTH INTO CLINTON NO. 3 QUADRANGLE  
AT SEC. 4, T. 38 N., R. 28 W. (by W. A. Wheeler in 1934)

T. 37 N., R. 28 W., quarter cor. between secs. 9 and 10, rd. at fences E. and W. (in Walker quadrangle)* -----	37 59 34.6	94 00 16.7	(2,660)
T. 37 N., R. 28 W., cor. secs. 3, 4, 9, and 10, crossroads -----	38 00 00.7	94 00 15.2	2,640
(For balance in Clinton No. 3 quadrangle, see line 1.)			
T. 38 N., R. 28 W., quarter cor. between secs. 27 and 28, cross fences -----	38 02 13.0	94 00 11.1	(2,680)
T. 38 N., R. 28 W., cor. secs. 21, 22, 27, and 28, T-rd. E. -----	38 02 39.7	94 00 09.4	2,705
Rd. at fences E. and W. -----	38 03 05.9	94 00 08.0	2,650
T. 38 N., R. 28 W., cor. secs. 15, 16, 21, and 22, 55 ft. S. and 61 ft. E. from T-rd. E., in concrete post; standard tablet stamped "302 C W A 1934"*** -----	38 03 31.55	94 00 06.20	2,600
Rd. at fences E. and W. -----	38 03 58.3	94 00 05.4	2,710
T. 38 N., R. 28 W., cor. secs. 9, 10, 15, and 16, crossroads -----	38 04 24.5	94 00 04.1	2,650
T. 38 N., R. 28 W., quarter cor. between secs. 9 and 10, rd. at fences E. and W. -----	38 04 50.9	94 00 02.7	2,675
T. 38 N., R. 28 W., cor. secs. 3, 4, 9, and 10, crossroads -----	38 05 16.9	94 00 01.5	2,635

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

\*Published also in Walker quadrangle (see Bull. 916-E).

\*\*In January 1936 it was reported by the State Highway Department that this tablet was moved 1 ft. N. and 31 ft. E. from its original location. The description and coordinates given refer to the new position.



Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
5. FROM SEC. 9, T. 37 N., R. 29 W., NORTH TO SEC. 32, T. 39 N., R. 29 W. (by C. D. Craig in 1934)			
T-rd. E., 15 ft. N. of quarter cor. between secs. 9 and 10, T. 37 N., R. 29 W. (in Walker quadrangle)* -----	37 59 47.1	94 06 55.2	(2,910)
Rd. at hedge fence E. -----	38 00 13.3	94 06 53.6	2,655
Schell City, 0.5 mi. S. of, quarter cor. between secs. 3 and 4, T. 37 N., R. 29 W., 45 ft. N. and 45 ft. E. from crossroads, in concrete post; standard tablet stamped "603 C W A 1934" -----	38 00 39.90	94 06 51.56	2,700
Schell City, pump at intersection of Main and First Streets -----	38 01 06.6	94 06 50.9	2,700
T-rd. E. -----	38 01 07.6	94 07 19.4	2,280
Crossroads -----	38 01 31.6	94 07 22.7	2,440
T-rd. W. -----	38 02 09.9	94 07 20.6	3,880
Osage River, S. end of bridge over -----	38 02 55.1	94 07 18.3	4,580
Schell City, 3 mi. N. of, near quarter cor. between secs. 16 and 21, T. 38 N., R. 29 W., 24 ft. E. of rd., in line with S. face of dwelling, in concrete post; standard tablet stamped "T T 604 C W A 1934" -----	38 03 38.94	94 07 16.80	4,440
T-rd. S. -----	38 04 33.8	94 07 14.4	5,555
T. 38 N., R. 29 W., cor. secs. 8, 9, 16, and 17, crossroads -----	38 04 35.0	94 07 46.5	2,570
Rd. at point in line with S. face of Fairmount School No. 124 -----	38 05 13.3	94 07 45.1	3,880
T. 38 N., R. 29 W., cor. secs. 4, 5, 8, and 9, 50 ft. N. and 30 ft. W. from crossroads, about 1 mi. N., thence 2.2 mi. E. from Prairie City, in concrete post; standard tablet stamped "T T 605 C W A 1934" -----	38 05 27.34	94 07 45.03	1,420
T. 38 N., R. 29 W., quarter cor. between secs. 4 and 5, rd. at hedge fences E. and W. -----	38 05 52.9	94 07 43.8	2,590
T. 38 N., R. 29 W., N. cor. secs. 4 and 5, T-rd. S., 64 ft. E. of T-rd. N. at S. cor. secs. 32 and 33, T. 39 N., R. 29 W. -----	38 06 21.0	94 07 42.6	2,840
Rd. at fence E. -----	38 06 56.1	94 07 41.9	3,540
269 C W A 1934 28 J 1934 777 (previously described) -----	38 07 12.79	94 07 41.71	1,690

6. FROM SEC. 33, T. 40 N., R. 29 W., NORTH INTO URICH QUADRANGLE AT  
SEC. 22, T. 40 N., R. 29 W. (by C. D. Craig in 1936)

T T 1127 W 1934 (previously described) -----	38 12 57.27	94 07 58.92	.....
Rd. at fence E. -----	38 13 22.5	94 07 31.4	3,370
T-rd. S. -----	38 13 48.7	94 07 30.5	2,647
T. 40 N., R. 29 W., quarter cor. between secs. 27 and 34, T-rd. N. -----	38 13 48.2	94 07 13.6	1,341
T-rd. E. -----	38 14 23.9	94 07 12.6	3,610
T-rd. W. -----	38 14 40.4	94 07 11.6	1,675

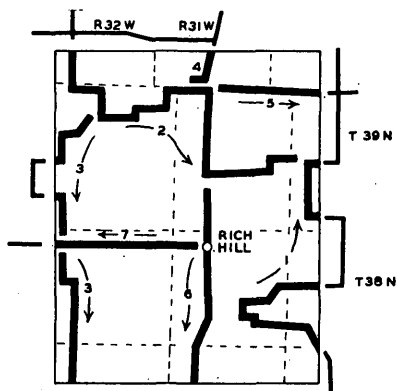
(Continued in Urich quadrangle; see line 7.)

Magnetic declination 8° 02' E.

\*Published also in Walker quadrangle (see Bull. 916-E).

BUTLER NO. 3 QUADRANGLE  
(Latitude 38°00'–38°15'; longitude 94°15'–94°30')

Bates and Vernon Counties



1. FROM APPLETON CITY QUADRANGLE AT SEC. 5, T. 37 N., R. 30 W., WEST TO SEC. 27, T. 38 N., R. 31 W., THENCE NORTHEAST INTO APPLETON CITY QUADRANGLE AT SEC. 8, T. 39 N., R. 30 W. (by W. R. Broadus in 1933)  
(Continued from Appleton City quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 38 N., R. 30 W., in NW 1/4 SE 1/4 sec. 30, 27 ft. N. of rd., 37 ft. W. of line of W. side of dwelling of Lee Collins, in concrete post; standard tablet stamped "T T 15 B 1933" -----	38 02 27.24	94 16 14.78	(11,350)
T-rd. S. -----	38 02 28.3	94 16 59.2	3,559
T. 38 N., R. 31 W., S. sixteenth cor. sec. 25, rd. at hedge fences N. and S. -----	38 02 29.1	94 17 24.5	2,020
T. 38 N., R. 31 W., S. sixteenth cor. sec. 26, T-rd. E. -----	38 02 31.0	94 18 29.8	5,230
T. 38 N., R. 31 W., center sec. 26, rd. corner from S.-W. -----	38 02 44.2	94 18 29.0	1,335
T. 38 N., R. 31 W., quarter cor. between secs. 26 and 27, T-rd. S. -----	38 02 45.1	94 19 02.1	2,650
T-rd. N. -----	38 02 45.3	94 19 07.6	440
T. 38 N., R. 31 W., cor. secs. 22, 23, 26, and 27, rd. at fence E. on Bates-Vernon County line -----	38 03 11.2	94 19 00.7	2,680
T. 38 N., R. 31 W., quarter cor. between secs. 22 and 23, 55 ft. S. and 23 ft. E. from T-rd. S., in concrete post; standard tablet stamped "T T 16 B 1933" -----	38 03 26.85	94 18 58.91	2,593
T. 38 N., R. 31 W., quarter cor. between secs. 23 and 24, rd. corner from W.-N. -----	38 03 35.6	94 17 53.2	5,258
T. 38 N., R. 31 W., cor. secs. 13, 14, 23, and 24, rd. at E.-W. fence -----	38 04 01.8	94 17 51.7	2,659
T. 38 N., R. 31 W., quarter cor. between secs. 13 and 14, T-rd. S. -----	38 04 27.7	94 17 50.3	2,619
Center of bridge -----	38 04 30.7	94 17 27.8	1,823
T. 38 N., R. 30 W., near W. sixteenth cor. sec. 18, about 0.6 mi. W. of bridge over drainage ditch, 37 ft. S. of rd., 87 ft. W. of fence S., in concrete post; standard tablet stamped "T T 17 B 1933" -----	38 04 23.81	94 16 26.22	4,970
Center of bridge over drainage ditch -----	38 04 17.2	94 15 47.4	3,174

(For balance in Appleton City quadrangle, see line 1.)

T. 39 N., R. 30 W., W. sixteenth cor. between secs. 29 and 32, crossroads -----	38 07 25.0	94 15 10.6	(5,234)
T. 39 N., R. 30 W., in NW 1/4 sec. 29, 30 ft. S. and 38 ft. E. from SE. corner of Happy Hill School, 20 ft. W. of rd., in limestone ledge; standard tablet stamped "31 J 1933 907" -----	38 07 55.23	94 15 14.29	3,073
Crossroads on line between secs. 20 and 29, T. 39 N., R. 30 W. -----	38 08 17.6	94 15 19.6	2,304

\*This tablet replaces T T 20 B 1933.

Station	Latitude	Longitude	Distance
Junction of private rd. E. -----	38 08 57.0	94 15 22.3	Feet 3,983
T. 39 N., R. 30 W., W. sixteenth cor. sec. 17, T-rd. N. -----	38 09 35.9	94 15 04.2	4,196
T. 39 N., R. 30 W., W. sixteenth cor. between secs. 8 and 17, 205 ft. N. and 23 ft. W. from crossroads, 12 ft. S. and 7 ft. W. from NE. corner of churchyard, in concrete post; standard tablet stamped "T 21 B 1934" -----	38 10 04.26	94 15 03.14	2,869

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

2. FROM ADRIAN QUADRANGLE AT SEC. 30, T. 40 N., R. 32 W., SOUTH TO SEC. 1,  
T. 39 N., R. 32 W., THENCE EAST TO SEC. 34, T. 40 N., R. 31 W.,  
THENCE SOUTH TO SEC. 17, T. 39 N., R. 31 W., THENCE EAST TO SEC. 8,  
T. 39 N., R. 30 W. (by S. T. Tudor in 1934)  
(Continued from Adrian quadrangle; see line 7.)

T. 40 N., R. 32 W., cor. secs. 29, 30, 31, and 32, crossroads -----	38 14 17.5	94 29 47.7	(5,250)
T. 40 N., R. 32 W., quarter cor. between secs. 31 and 32, rd. at fences E. and W. -----	38 13 51.4	94 29 48.9	2,640
T. 40 N., R. 33 W., S. cor. secs. 31 and 32, 20 ft. S. and 80 ft. E. from T-rd. N., in concrete post; standard tablet stamped "C W A 1934 780" -----	38 13 25.13	94 29 49.00	2,660
T. 40 N., R. 32 W., S. cor. secs. 33 and 34, T-rd. N. -----	38 13 22.5	94 27 37.7	10,480
T. 39 N., R. 32 W., N. cor. secs. 4 and 5, T-rd. S. -----	38 13 22.1	94 27 17.0	1,655
T. 39 N., R. 32 W., on line between secs. 4 and 5, 40 ft. N. and 24 ft. W. from T-rd. N., 120 ft. N. of Missouri Pacific R.R., 4 ft. W. of W. right-of-way fence, in concrete post; standard tablet stamped "433 C W A 1934 769" - T-rd. N. on N-S. line through center sec. 4, -----	38 12 18.23	94 27 19.86	6,460
T. 39 N., R. 32 W. -----	38 12 16.9	94 26 46.6	2,660
T-rd. S. on line between secs. 3 and 4, T. 39 N., R. 32 W. -----	38 12 16.0	94 26 13.5	2,640
T-rd. E. -----	38 12 41.2	94 25 04.1	6,100
T. 39 N., R. 32 W., in NW 1/4 sec. 2, 200 ft. E. of dwelling of Mose Davis, 24 ft. S. of rd., 5 ft. S. and 8 ft. E. from corner of garden fence, in concrete post; standard tablet stamped "C W A 1934 817" -----	38 12 40.39	94 24 35.00	2,330
T-rd. W. -----	38 12 40.0	94 23 45.5	3,950
T. 39 N., R. 32 W., W. sixteenth cor. on N. side sec. 1, T-rd. S. -----	38 13 17.9	94 23 46.5	3,830
T. 40 N., R. 31 W., E. sixteenth cor. on S. side sec. 31, T-rd. N. -----	38 13 17.5	94 23 30.0	1,320
T. 39 N., R. 31 W., in NE 1/4 sec. 6, 24 ft. S. and 75 ft. E. from T-rd. N. at S. cor. secs. 32 and 33, T. 40 N., R. 31 W., 4 ft. S. and 10 ft. E. from fence corner, in concrete post; standard tablet stamped "404 C W A 1934 768" - T. 40 N., R. 31 W., S. quarter cor. sec. 33, -----	38 13 15.82	94 22 06.67	6,650
T-rd. N. -----	38 13 15.5	94 21 34.8	2,540
Junction of U.S. Highway 71 and State Highway 52- T. 39 N., R. 31 W., near E. sixteenth cor. sec. 5, 35 ft. N. and 30 ft. W. from U.S. Highway 71 at rd. junction, 2 ft. E. of right-of-way fence, in concrete post; standard tablet stamped "204 C W A 1934 768" -----	38 13 15.0	94 21 01.6	2,650
Miami Creek, center of bridge over -----	38 11 31.47	94 21 09.61	10,490
U.S. Highway 71 at crossroad -----	38 10 36.7	94 21 13.7	5,550
T. 39 N., R. 31 W., near quarter cor. between secs. 16 and 17, about 0.2 mi. E. of U.S. Highway 71, 30 ft. SW. of rd. corner, 100 ft. SW. of Miami drainage ditch, in concrete post; standard tablet stamped "403 C W A 1934 747" -----	38 09 59.5	94 21 11.6	3,760
Miami drainage ditch, center of bridge over -----	38 09 58.73	94 20 57.10	1,170
Miami Creek, center of bridge over -----	38 09 47.0	94 20 49.5	1,430
T-rd. N. -----	38 09 45.4	94 19 41.5	5,430
T. 39 N., R. 31 W., E. quarter cor. sec. 15, T-rd. W., 135 ft. S. of T-rd. E. -----	38 09 44.1	94 19 30.6	890
T. 39 N., R. 31 W., center sec. 14, T-rd. E. -----	38 09 42.2	94 18 40.7	3,990
T. 39 N., R. 31 W., about 0.3 mi. E. of center sec. 14, 114 ft. S. and 38 ft. E. from SE. corner of Pleasant Valley School, 38 ft. N. of rd., in concrete post; standard tablet -----	38 09 40.9	94 18 07.5	2,660
T. 39 N., R. 31 W., cor. secs. 11, 12, 13, and 14, T-rd. E. -----	38 09 40.61	94 17 49.33	1,450
T. 39 N., R. 30 W., W. cor. secs. 7 and 18, crossroads -----	38 10 05.6	94 17 32.8	2,860
	38 10 06.3	94 16 27.3	5,230

Station	Latitude	Longitude	Distance
T T 21 B 1933 (previously described) -----	° ' " 38 10 04.26	° ' " 94 15 03.14	Feet 6,720

3. FROM SEC. 5, T. 39 N., R. 32 W., SOUTH TO SEC. 7, T. 37 N., R. 32 W.  
(by W. V. Kennedy in 1934)

433 C W A 1934 769 (previously described) -----	38 12 18.23	94 27 19.86	.....
Center of Missouri Pacific R.R. trestle over drain -----	38 12 17.8	94 27 52.1	2,575
Center of Missouri Pacific R.R. trestle over main drainage ditch -----	38 12 06.2	94 28 28.0	3,090
Osage River, center of bridge over -----	38 11 28.8	94 28 50.3	4,180
Rd. corner from E.-N. -----	38 11 19.4	94 29 01.3	1,290
T. 39 N., R. 32 W., W. cor. secs. 6 and 7, rd. at rock pile -----	38 11 14.8	94 29 35.3	2,750
T. 39 N., Rs. 32 and 33 W., quarter cor. between secs. 7 and 12, 11 ft. N. and 17 ft. E. from rd. corner, 18 ft. S. and 6 ft. W. from gate at entrance to farm of E. L. Thomas, in concrete post; standard tablet stamped "428 C W A 1934 616" -----	38 10 48.93	94 29 36.05	2,620
T. 39 N., R. 33 W., E. sixteenth cor. between secs. 12 and 13, T-rd. N. -----	38 10 23.2	94 29 53.5	2,950

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

T. 39 N., R. 33 W., E. cor. secs. 24 and 25, T-rd. W., 70 ft. S. of tangent of rd. E. at W. cor. secs. 19 and 30, T. 39 N., R. 32 W. ---	38 08 38.8	94 29 42.0	(2,630)
T. 39 N., R. 33 W., E. quarter cor. sec. 25, rd. at hedge fence W. -----	38 08 13.0	94 29 43.3	2,610
T. 39 N., R. 32 W., W. cor. secs. 30 and 31, T-rd. E., 460 ft. N. of T-rd. W. at E. cor. secs. 25 and 36, T. 39 N., R. 33 W. -----	38 07 47.5	94 29 44.6	2,580
T. 39 N., Rs. 32 and 33 W., probable quarter cor. between secs. 31 and 36, rd. at hedge fences E. and W. -----	38 07 20.9	94 29 45.8	2,690
Tps. 38 and 39 N., Rs. 32 and 33 W., cor. of, crossroads -----	38 06 55.0	94 29 47.0	2,630
T. 38 N., R. 32 W., 24 ft. W. of W. cor. secs. 6 and 7, 101 ft. N. and 24 ft. W. from E. cor. secs. 1 and 12, T. 38 N., R. 33 W., 46 ft. N. and 24 ft. W. from County Route A at crossroad, in concrete post; standard tablet stamped "432 C W A 1934 881" -----	38 06 03.68	94 29 49.81	5,190
Rd. at old R.R. right-of-way E. and W. -----	38 05 43.4	94 29 50.6	2,050
T. 38 N., R. 32 W., W. cor. secs. 7 and 16, T-rd. E., 90 ft. N. of T-rd. W. at E. cor. secs. 12 and 13, T. 38 N., R. 33 W. -----	38 05 11.6	94 29 52.2	3,220
T. 38 N., R. 33 W., E. quarter cor. sec. 13, rd. at hedge fence W., 75 ft. S. of fence E. at W. quarter cor. sec. 16, T. 38 N., R. 32 W. ---	38 04 44.7	94 29 53.5	2,730
T. 38 N., R. 32 W., W. cor. secs. 18 and 19, T-rd. E., 75 ft. N. of rd. corner at E. cor. secs. 13 and 24, T. 38 N., R. 33 W. -----	38 04 19.4	94 29 54.7	2,560
T. 38 N., R. 32 W., quarter cor. between secs. 18 and 19, rd. at fences N. and S. -----	38 04 18.6	94 29 22.6	2,570
T. 38 N., R. 32 W., cor. secs. 17, 16, 19, and 20, 21 ft. N. and 19 ft. E. from crossroads, 2 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "431 C W A 1934 891" -----	38 04 18.01	94 28 49.33	2,660
T. 38 N., R. 32 W., quarter cor. between secs. 19 and 20, rd. at fences E. and W. -----	38 03 51.7	94 28 50.8	2,660
Rutledge Creek, center of bridge over, 330 ft. N. of Bates-Vernon county line and cor. sec. 19, 20, 29, and 30, T. 38 N., R. 32 W. -----	38 03 28.9	94 28 51.8	2,310
T. 38 N., R. 32 W., quarter cor. between secs. 29 and 30, rd. at fence E. -----	38 02 59.6	94 28 53.2	2,970
T. 38 N., R. 32 W., quarter cor. between secs. 31 and 32, rd. at fence E. -----	38 02 07.4	94 28 55.7	5,280
T. 37 N., R. 32 W., N. cor. secs. 5 and 6, 30 ft. S. and 22 ft. E. from T-rd. S., 30 ft. S. and 12 ft. E. from T-rd. N. at S. cor. secs. 31 and 32, T. 38 N., R. 32 W., 4 ft. S. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "434 C W A 1934 794" -----	38 01 40.96	94 28 56.62	2,680
T. 37 N., R. 32 W., quarter cor. between secs. 5 and 6, T-rd. W. -----	38 01 15.6	94 28 58.2	2,570
T. 37 N., R. 32 W., cor. secs. 5, 6, 7, and 8, T-rd. E. -----	38 00 49.5	94 28 59.4	2,640
T-rd. -----	38 00 23.5	94 29 03.1	2,645
T. 37 N., R. 32 W., S. sixteenth cor. between secs. 7 and 8, rd. at hedge fences E. and W. --	38 00 10.6	94 29 01.6	1,315

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
4. FROM SEC. 33, T. 40 N., R. 31 W., EAST 1 MILE, THENCE NORTH ALONG U.S. HIGHWAY 71 INTO ADRIAN QUADRANGLE (by C. E. Wyrick in 1934)			
404 C W A 1934 768 (previously described) -----	38 13 15.82	94 22 06.67	.....
U.S.C. & G.S. standard disk stamped "S 9 1934" -	38 13 16.15	94 21 58.11	685
T. 40 N., R. 31 W., quarter cor. between secs. 33 and 34, highway at fences E. and W. -----	38 13 41.3	94 21 00.8	5,235
T. 40 N., R. 31 W., cor. secs. 27, 28, 33, and 34, highway at hedge fence W. -----	38 14 07.0	94 20 59.9	2,600
T. 40 N., R. 31 W., quarter cor. between secs. 27 and 28, highway at fences E. and W. -----	38 14 33.1	94 20 59.1	2,640
Junction of rd. W. -----	38 14 42.9	94 20 58.0	995
Butler, 0.6 mi. S. of, 36 ft. E. of Missouri Pacific R.R., 43 ft. W. of highway, in concrete post; standard tablet stamped "T T 1108 W 1934" -----	38 14 55.42	94 20 52.69	1,335
(Continued in Adrian quadrangle; see line 4.)			

5. FROM SEC. 34, T. 40 N., R. 31 W., EAST ALONG STATE HIGHWAY 52 INTO APPLETON CITY QUADRANGLE (by C. E. Wyrick in 1934)			
Junction of U.S. Highway 71 and State Highway 52 (previously described) -----	38 13 15.0	94 21 01.6	.....
T. 40 N., R. 31 W., S. quarter cor. sec. 34, highway at fence N. -----	38 13 14.4	94 20 28.5	2,630
T. 40 N., R. 31 W., S. cor. secs. 34 and 35, highway at fence N. -----	38 13 13.9	94 19 55.8	2,610
Highway at hedge fences N. and S. on line between secs. 3 and 4, T. 39 N., R. 31 W. -----	38 13 09.9	94 19 37.3	1,530
Highway at hedge fences N. and S. on N.-S. line through center sec. 3, T. 39 N., R. 31 W. -----	38 13 09.5	94 19 04.0	2,660
T. 40 N., R. 31 W., S. cor. secs. 35 and 36, junction of rd. N., 130 ft. W. of junction of rd. S. -----	38 13 12.1	94 18 49.4	1,190
T. 40 N., R. 31 W., S. quarter cor. sec. 36, 39 ft. N. and 25 ft. W. from crossroad, in concrete post; standard tablet stamped "T T 1125 W 1934" -----	38 13 11.72	94 18 16.52	2,625
T. 40 N., Rs. 30 and 31 W., S. cor. secs. 31 and 36, highway at fence N. -----	38 13 10.6	94 17 43.4	2,645
T. 40 N., R. 30 W., S. quarter cor. sec. 31, junction of rd. N. 130 ft. W. of junction of rd. S. -----	38 13 09.8	94 17 10.1	2,660
T. 40 N., R. 30 W., S. cor. secs. 31 and 32, highway at fence N. -----	38 13 09.0	94 16 37.2	2,620
T. 39 N., Rs. 30 and 31 W., N. cor. secs. 1 and 6, junction of rd. S. -----	38 13 08.6	94 16 18.8	1,475
T. 40 N., R. 30 W., S. cor. secs. 32 and 33, junction of rd. N. -----	38 13 07.6	94 15 31.2	3,795
(Continued in Appleton City quadrangle; see line 2.)			

6. FROM SEC. 17, T. 39 N., R. 31 W., SOUTH ALONG U.S. HIGHWAY 71 TO SEC. 8, T. 37 N., R. 31 W. (by C. E. Wyrick in 1934)			
403 C W A 1934 747 (previously described) -----	38 09 58.73	94 20 57.10	.....
Junction of rd. W. -----	38 09 14.1	94 21 07.9	4,590
Junction of rd. E. -----	38 08 56.9	94 21 06.5	1,750
Osage River (Marais des Cygnes), N. end of bridge over -----	38 08 33.0	94 21 04.5	2,420
Rich Hill, 2.5 mi. N. of, 13 ft. W. of highway, in NW. abutment wall of bridge over Bates County drainage ditch; standard tablet stamped "T T 1101 W 1934" -----	38 08 03.09	94 20 58.31	3,065
Junction of rd. W. -----	38 07 22.2	94 21 00.1	4,140
Junction of rd. E. -----	38 07 09.2	94 21 00.8	1,310
Center of bridge -----	38 06 51.3	94 21 01.7	1,820
Junction of rd. E. -----	38 06 17.7	94 21 03.4	3,400
Rich Hill, municipal water tower at -----	38 05 49.2	94 21 18.5	3,120
Rich Hill, at E. limits of, 48 ft. N. and 39 ft. W. from junction of County Route A, in concrete post; standard tablet stamped "T T 1102 W 1934" -----	38 05 50.05	94 21 05.18	1,070
Junction of rd. W., 190 ft. N. of junction of rd. E. -----	38 05 27.2	94 21 05.9	2,310
T. 38 N., R. 31 W., quarter cor. between secs. 16 and 17, crossroad -----	38 04 33.1	94 21 08.6	5,480
T. 38 N., R. 31 W., cor. secs. 16, 17, 20, and 21, highway at hedge fences E. and W. -----	38 04 07.0	94 21 09.9	2,640
Junction of rd. E. -----	38 03 40.9	94 21 10.3	2,640
T. 38 N., R. 31 W., cor. secs. 20, 21, 28, and 29, highway at Bates-Vernon county line -----	38 03 14.8	94 21 12.5	2,650

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Rich Hill, 3.2 mi. S. of, at E. end of bridge over Missouri Pacific R.R., 11 ft. N. of highway, in top of NE. handrail post; standard tablet stamped "T T 1103 W 1934" -----	38 03 09.15	94 21 20.26	840
Crossroad on E.-W. line through center sec. 29, T. 38 N., R. 31 W. -----	38 02 49.8	94 21 51.6	3,180
Highway at fences E. and W. on line between secs. 29 and 32, T. 38 N., R. 31 W. -----	38 02 23.7	94 22 00.6	2,735
Junction of rd. W. on line between secs. 5 and 32, Tps. 37 and 38 N., R. 31 W. -----	38 01 31.7	94 22 06.6	5,280
Junction of rd. E. -----	38 01 19.1	94 22 07.1	1,280
Center of bridge -----	38 01 03.3	94 22 07.8	1,600
Arthur, at W. limits of, 40 ft. N. and 47 ft. E. from crossroad, 3/4 ft. W. of Missouri Pacific R.R., in concrete post; standard tablet stamped "T T 1104 W 1934" -----	38 00 40.32	94 22 08.23	2,320
Crossroad on E.-W. line through center sec. 8, T. 37 N., R. 31 W. -----	38 00 14.0	94 22 10.1	2,660

7. FROM RICH HILL WEST ALONG COUNTY ROUTE A INTO HUME QUADRANGLE  
(by C. E. Wyrick in 1934)

T T 1102 W 1934 (previously described) -----	38 05 05.05	94 21 05.18	.....
Main track of Missouri Pacific R.R. at highway crossing -----	38 05 50.5	94 21 38.2	2,640
Junction of First Street -----	38 05 51.3	94 22 07.8	2,370
Center of culvert -----	38 05 53.8	94 22 31.7	1,930
Highway at entrance to Rich Hill Cemetery -----	38 05 54.8	94 23 07.2	2,640
T. 38 N., Rs. 31 and 32 W., cor. secs. 1, 6, 7, and 12, crossroad -----	38 05 55.0	94 23 14.7	600
T. 38 N., R. 32 W., quarter cor. between secs. 1 and 12, highway at fence S. -----	38 05 55.1	94 23 47.8	2,640
Rich Hill, 3 mi. W. of junction of U.S. Highway 71, 51 ft. N. and 42 ft. E. from junction of rd. N., in concrete post; standard tablet stamped "T T 1105 W 1934" -----	38 05 56.44	94 24 20.45	2,620
T. 38 N., R. 32 W., quarter cor. between secs. 2 and 11, highway at hedge fence N. and wire fence S. -----	38 05 56.7	94 24 53.9	2,675
T. 38 N., R. 32 W., cor. secs. 2, 3, 10, and 11, crossroad -----	38 05 57.4	94 25 26.8	2,630
T. 38 N., R. 32 W., quarter cor. between secs. 3 and 10, highway at wire fence N. and hedge fence S. -----	38 05 58.2	94 25 59.8	2,640
T. 38 N., R. 32 W., cor. secs. 3, 4, 9, and 10, highway at fences N. and S. -----	38 05 59.1	94 26 33.0	2,650
T. 38 N., R. 32 W., quarter cor. between secs. 4 and 9, junction of rd. S. -----	38 05 59.9	94 27 06.0	2,640
T. 38 N., R. 32 W., cor. secs. 4, 5, 8, and 9, 650 ft. E. of crossroad, 12 ft. S. of highway, in SE. corner of upstream headwall of concrete culvert; standard tablet stamped "T T 1106 W 1934" -----	38 06 00.39	94 27 30.87	1,990
T. 38 N., R. 32 W., cor. secs. 4, 5, 8, and 9, crossroad -----	38 06 00.7	94 27 39.0	650
T. 38 N., R. 32 W., quarter cor. between secs. 5 and 8, highway at fence S. -----	38 06 01.5	94 28 11.9	2,630
T. 38 N., R. 32 W., cor. secs. 5, 6, 7, and 8, crossroad -----	38 06 02.3	94 28 44.8	2,630
T. 38 N., R. 32 W., quarter cor. between secs. 6 and 7, highway at fence S. -----	38 06 03.0	94 29 17.8	2,640
432 C W A 1934 881 (previously described) -----	38 06 03.68	94 29 49.81	2,560

(Continued in Hume quadrangle; see line 5.)

TIE BETWEEN U.S.C. & G.S. TRIANGULATION STATION AND U.S.G.S. THIRD-ORDER LINE  
IN SEC. 4, T. 38 N., R. 32 W. (by T. A. Magee in 1935)

Smith triangulation sta.; U.S.C. & G.S. standard disk stamped "Smith" -----	38 06 09.48	94 26 00.49	.....
T T 1106 W 1934 (previously described) -----	38 06 00.39	94 27 30.87	7,283

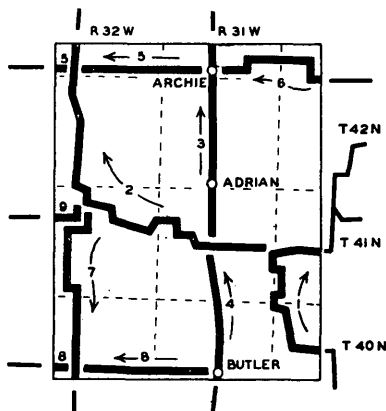
TIE BETWEEN U.S.C. & G.S. TRIANGULATION STATION AND U.S.G.S. THIRD-ORDER LINE  
AT BUTLER (by T. A. Magee in 1935)

Butler triangulation sta.; U.S.C. & G.S. standard disk stamped "Butler" -----	38 15 51.59	94 20 19.72	.....
T T 1108 W 1934 (previously described) -----	38 14 55.42	94 20 52.69	6,261

Magnetic declination 7° 54' E.

ADRIAN QUADRANGLE  
(Latitude  $38^{\circ}15'-38^{\circ}30'$ ; longitude  $94^{\circ}15'-94^{\circ}30'$ )

Bates and Cass Counties



1. FROM URICH QUADRANGLE AT SEC. 9, T. 40 N., R. 30 W., NORTH INTO URICH QUADRANGLE AT SEC. 16, T. 41 N., R. 30 W. (by W. R. Broddus in 1933)

(Continued from Urich quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
T-rd. S. -----	$38^{\circ}16'35.0''$	$94^{\circ}15'23.6''$	(5,295)
Center of bridge -----	$38^{\circ}16'36.1''$	$94^{\circ}16'07.0''$	3,463
T. 40 N., R. 30 W., cor. secs. 7, 8, 17, and 18, 20 ft. N. and 78 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 24 B 1933" -----	$38^{\circ}16'36.85''$	$94^{\circ}16'27.99''$	1,679
T. 40 N., R. 30 W., cor. secs. 5, 6, 7, and 8, crossroads -----	$38^{\circ}17'28.4''$	$94^{\circ}16'27.5''$	5,217
T. 40 N., R. 30 W., N. cor. secs. 5 and 6, T-rd. S. -----	$38^{\circ}18'21.7''$	$94^{\circ}16'25.7''$	5,390
T. 41 N., R. 30 W., S. quarter cor. sec. 31, 22 ft. S. and 20 ft. W. from T-rd. N., in concrete post; standard tablet stamped "T T 25 B 1933" -----	$38^{\circ}18'22.49''$	$94^{\circ}17'00.95''$	2,810
Tps. 40 and 41 N., Rs. 30 and 31 W., cor. of -----	$38^{\circ}18'23.5''$	$94^{\circ}17'30.7''$	2,375
T. 41 N., R. 30 W., quarter cor. between secs. 30 and 31, crossroads -----	$38^{\circ}19'14.4''$	$94^{\circ}16'58.7''$	5,259
T-rd. S. -----	$38^{\circ}19'53.4''$	$94^{\circ}16'57.2''$	3,939
T. 41 N., R. 31 W., E. cor. secs. 24 and 25, T-rd. -----	$38^{\circ}20'07.8''$	$94^{\circ}17'26.9''$	2,781
T. 41 N., R. 30 W., W. cor. secs. 18 and 19, 165 ft. N. and 25 ft. E. from T-rd. E., 59 ft. N. and 25 ft. E. from E. cor. secs. 13 and 24, T. 41 N., R. 31 W., in concrete post; standard tablet stamped "T T 45 B 1933" -----	$38^{\circ}21'00.47''$	$94^{\circ}17'24.88''$	5,325
T. 41 N., R. 30 W., cor. secs. 17, 18, 19, and 20, T-rd. N. -----	$38^{\circ}20'57.5''$	$94^{\circ}16'22.3''$	4,995
T. 41 N., R. 30 W., cor. secs. 16, 17, 20, and 21, crossroads -----	$38^{\circ}20'56.5''$	$94^{\circ}15'15.8''$	5,300

(Continued in Urich quadrangle; see line 1.)

2. FROM SEC. 18, T. 41 N., R. 30 W., WEST TO SEC. 4, T. 41 N., R. 32 W., THENCE NORTH INTO HARRISONVILLE QUADRANGLE AT SEC. 30, T. 43 N., R. 32 W. (by W. V. Kennedy in 1934)

T T 45 B 1933 (previously described) -----	$38^{\circ}21'00.47''$	$94^{\circ}17'24.88''$	.....
T. 41 N., R. 31 W., quarter cor. between secs. 13 and 24, crossroads -----	$38^{\circ}21'00.6''$	$94^{\circ}17'58.4''$	2,670
T. 41 N., R. 31 W., cor. secs. 13, 14, 23, and 24, rd. at hedge fences N. and S. -----	$38^{\circ}21'01.5''$	$94^{\circ}18'31.4''$	2,630
T. 41 N., R. 31 W., quarter cor. between secs. 14 and 23, crossroads -----	$38^{\circ}21'02.2''$	$94^{\circ}19'04.7''$	2,660
T. 41 N., R. 31 W., cor. secs. 14, 15, 22, and 23, rd. at hedge fences N. and S. -----	$38^{\circ}21'02.8''$	$94^{\circ}19'38.0''$	2,650
T. 41 N., R. 31 W., quarter cor. between secs. 15 and 22, T-rd. S. -----	$38^{\circ}21'03.1''$	$94^{\circ}20'11.5''$	2,670

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
T. 41 N., R. 31 W., cor. secs. 15, 16, 21, and 22, 50 ft. N. and 116 ft. E. from U.S. Highway 71 at rd. junction, 115 ft. S. and 20 ft. E. from SW. corner of Mount Zion School, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "C W A 1934 860" -----	38 21 04.10	94 20 43.11	2,520
Missouri Pacific R.R. at rd. crossing -----	38 21 04.1	94 21 14.2	2,480
Center of bridge over creek -----	38 21 04.8	94 21 35.0	1,660
T. 41 N., R. 31 W., cor. secs. 16, 17, 20, and 21, crossroads -----	38 21 05.0	94 21 50.6	1,240
T. 41 N., R. 31 W., quarter cor. between secs. 16 and 17, rd. at fences E. and W. -----	38 21 31.0	94 21 49.7	2,630
T. 41 N., R. 31 W., cor. secs. 8, 9, 16, and 17, T-rd. W. -----	38 21 57.2	94 21 49.0	2,650
T. 41 N., R. 31 W., quarter cor. between secs. 8 and 17, rd. at fences N. and S. -----	38 21 57.5	94 22 22.0	2,630
T-rd. S. -----	38 21 57.6	94 22 48.3	2,090
T. 41 N., R. 31 W., quarter cor. between secs. 7 and 8, 22 ft. N. and 23 ft. E. from T-rd. W., 116 ft. S. and 62 ft. W. from Mound Valley School, in concrete post; standard tablet stamped "242 C W A 1934 901" -----	38 22 23.96	94 22 54.44	2,710
T. 41 N., R. 31 W., center sec. 7, rd. at hedge fences N. and S. -----	38 22 24.3	94 23 27.7	2,650
T. 41 N., Rs. 31 and 32 W., quarter cor. between secs. 7 and 12 -----	38 22 24.9	94 24 04.2	2,910
T. 41 N., R. 32 W., E. cor. secs. 12 and 13, T-rd. W. -----	38 21 58.6	94 24 05.0	2,660
T. 41 N., R. 32 W., W. sixteenth cor. between secs. 12 and 13, rd. at hedge fence N. -----	38 21 59.5	94 24 55.0	3,980
T. 41 N., R. 32 W., cor. secs. 11, 12, 13, and 14, crossroads -----	38 21 59.8	94 25 11.5	1,320
T. 41 N., R. 32 W., quarter cor. between secs. 11 and 14, rd. at fences N. and S. -----	38 22 00.5	94 25 44.4	2,620
T. 41 N., R. 32 W., cor. secs. 10, 11, 14, and 15, 10 ft. N. and 22 ft. W. from T-rd. E., 25 ft. S. and 52 ft. E. from SE. corner of Wolfe dwelling, 7 ft. N. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "282 C W A 1934 900" -----	38 22 01.20	94 26 17.57	2,645
T. 41 N., R. 32 W., quarter cor. between secs. 10 and 11, rd. at fence W. -----	38 22 27.1	94 26 16.6	2,620
T. 41 N., R. 32 W., cor. secs. 2, 3, 10, and 11, crossroads -----	38 22 53.1	94 26 15.9	2,630
Center of bridge over creek, in line with fence N. at probable quarter cor. between secs. 3 and 10, T. 41 N., R. 32 W. -----	38 22 54.1	94 26 48.8	2,625
T. 41 N., R. 32 W., cor. secs. 3, 4, 9, and 10, crossroads -----	38 22 55.3	94 27 21.8	2,630
T. 41 N., R. 32 W., quarter cor. between secs. 4 and 9, rd. at fences N. and S. -----	38 22 56.1	94 27 54.8	2,630
T. 41 N., R. 32 W., cor. secs. 4, 5, 8, and 9, 27 ft. S. and 22 ft. E. from crossroads, 3 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "266 C W A 1934 872" -----	38 22 56.70	94 28 27.58	2,610
T. 41 N., R. 32 W., quarter cor. between secs. 4 and 5, rd. at hedge fences E. and W. -----	38 23 22.9	94 28 27.2	2,650
T. 41 N., R. 32 W., N. cor. secs. 4 and 5, T-rd. S., 95 ft. W. of fence N. at S. cor. -----	38 23 49.2	94 28 27.7	2,665
T. 42 N., R. 32 W., S. quarter cor. sec. 32, stone at T-rd. N. -----	38 23 49.9	94 28 59.3	2,510
T. 42 N., R. 32 W., center sec. 32, rd. at fence W. -----	38 24 16.2	94 28 58.6	2,660
T. 42 N., R. 32 W., quarter cor. between secs. 29 and 32, 76 ft. S. and 23 ft. E. from crossroads, 35 ft. N. and 108 ft. W. from NW. corner of Dixie School, in concrete post; standard tablet stamped "281 C W A 1934" -----	38 24 41.12	94 28 57.51	2,530
T. 42 N., R. 32 W., center sec. 29, junction of abandoned rd. E. -----	38 25 07.9	94 28 57.3	2,710
Center of bridge over creek -----	38 25 19.1	94 28 57.0	1,130
T. 42 N., R. 32 W., quarter cor. between secs. 20 and 29, T-rd. E. -----	38 25 34.0	94 28 56.6	1,510
T. 42 N., R. 32 W., center sec. 20, T-rd. W. -----	38 26 00.3	94 28 55.9	2,670
T. 42 N., R. 32 W., quarter cor. between secs. 17 and 20, T-rd. E. -----	38 26 26.1	94 28 55.3	2,610
T. 42 N., R. 32 W., center sec. 17, T-rd. W. -----	38 26 51.9	94 28 54.7	2,620
T. 42 N., R. 32 W., quarter cor. between secs. 8 and 17, 30 ft. N. and 6 ft. W. from T-rd. S., 2 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "299 C W A 1934" -----	38 27 18.16	94 28 53.90	2,650



Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 42 N., R. 32 W., cor. secs. 7, 8, 17, and 16, stone at T-rd. N. -----	38 27 18.7	94 29 26.7	2,610
Rd. at fences E. and W. -----	38 27 42.6	94 29 26.0	2,410
T. 42 N., R. 32 W., cor. secs. 5, 6, 7, and 8, rd. at fences E. and W. -----	38 28 10.7	94 29 25.1	2,850
T. 43 N., R. 32 W., S. cor. secs. 31 and 32, T-rd. N. on Bates-Cass county line -----	38 28 30.7	94 29 32.9	2,120
T. 43 N., R. 32 W., quarter cor. between secs. 31 and 32, rd. at fences E. and W. -----	38 28 56.8	94 29 32.2	2,640
Main City, cor. secs. 29, 30, 31, and 32, T. 43 N., R. 32 W., 44 ft. N. and 22 ft. W. from County Route A at crossroad, 2 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "296 C W A 1934" -----	38 29 23.43	94 29 31.55	2,695
T. 43 N., R. 32 W., quarter cor. between secs. 29 and 30, crossroads -----	38 29 49.3	94 29 30.5	2,615

(Continued in Harrisonville quadrangle; see line 3.)

3. FROM SEC. 16, T. 41 N., R. 31 W., NORTH ALONG U.S. HIGHWAY 71 INTO  
HARRISONVILLE QUADRANGLE (by C. E. Wyrick in 1934)

C W A 1934 860 (previously described) -----	38 21 04.10	94 20 43.11	.....
T. 41 N., R. 31 W., quarter cor. between secs. 15 and 16, highway at hedge fences E. and W. -----	38 21 29.6	94 20 43.8	2,585
T. 41 N., R. 31 W., cor. secs. 9, 10, 15, and 16, junction of rd. E. -----	38 21 55.9	94 20 43.1	2,650
T. 41 N., R. 31 W., quarter cor. between secs. 9 and 10, highway at hedge fence E. -----	38 22 21.8	94 20 42.3	2,620
T. 41 N., R. 31 W., cor. secs. 3, 4, 9, and 10, crossroad -----	38 22 48.0	94 20 41.6	2,650
Center of bridge -----	38 23 25.8	94 20 40.6	3,820
Adrian, at E. limits of, 44 ft. S. and 64 ft. W. from junction of County Route E (now State Highway 18), in concrete post; standard tablet stamped "T T 1110 W 1934" -----	38 23 39.13	94 20 39.61	1,355
T. 42 N., R. 31 W., cor. secs. 27, 28, 33, and 34, junction of rd. W. -----	38 24 31.6	94 20 37.0	5,310
T. 42 N., R. 31 W., quarter cor. between secs. 27 and 28, highway at fences E. and W. -----	38 24 57.7	94 20 36.1	2,640
T. 42 N., R. 31 W., cor. secs. 21, 22, 27, and 28, crossroad -----	38 25 23.7	94 20 35.2	2,630
T. 42 N., R. 31 W., quarter cor. between secs. 21 and 22, crossroad -----	38 25 49.9	94 20 34.3	2,650
Adrian, 3 mi. N. of junction of State Highway 18, 24 ft. S. and 42 ft. E. from junction of rd. E., 6 ft. SE. of fence corner, in concrete post; standard tablet stamped "T T 1111 W 1934" -----	38 26 16.05	94 20 32.98	2,645
T. 42 N., R. 31 W., quarter cor. between secs. 15 and 16, crossroad -----	38 26 42.1	94 20 32.7	2,640
T. 42 N., R. 31 W., cor. secs. 9, 10, 15, and 16, highway at fence W. -----	38 27 08.4	94 20 31.8	2,660
T. 42 N., R. 31 W., quarter cor. between secs. 9 and 10, highway at fence -----	38 27 34.1	94 20 31.0	2,600
T. 42 N., R. 31 W., cor. secs. 3, 4, 9, and 10, highway at wire fence W. -----	38 28 00.3	94 20 30.1	2,650
Crossroad on Bates-Cass county line -----	38 28 20.0	94 20 39.8	2,130
T. 43 N., R. 31 W., quarter cor. between secs. 33 and 34, 44 ft. S. and 34 ft. W. from cross- road, 0.5 mi. E. of Archie, about 0.2 mi. S. of junction of County Route A, in concrete post; standard tablet stamped "222 C W A 1934" -----	38 28 45.68	94 20 40.67	2,600
Junction of County Route A -----	38 28 59.2	94 20 39.7	1,365
T. 43 N., R. 31 W., cor. secs. 27, 28, 33, and 34, highway at fences E. and W. -----	38 29 12.3	94 20 38.9	1,330

(Continued in Harrisonville quadrangle; see line 4.)

4. FROM BUTLER NO. 3 QUADRANGLE NORTH ALONG U.S. HIGHWAY 71 TO SEC. 16,  
T. 41 N., R. 31 W. (by C. E. Wyrick in 1934)

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

Junction of State Highway 52 -----	38 15 24.6	94 20 35.0	(3,270)
Crossroad -----	38 15 50.6	94 20 34.7	2,640
Highway at fences E. and W. on line through center sec. 15, T. 40 N., R. 31 W. -----	38 16 16.8	94 20 38.3	2,660
Highway at fences E. and W. on line between secs. 10 and 15, T. 40 N., R. 31 W. -----	38 16 43.0	94 20 37.4	2,650
Highway at hedge fences E. and W. on line through center sec. 10, T. 40 N., R. 31 W. -----	38 17 08.9	94 20 36.4	2,620

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Butler, 2 mi. N. of, on line between secs. 3 and 10, T. 40 N., R. 31 W., 74 ft. S. and 41 ft. W. from crossroad, 39 ft. E. of Missouri Pacific R.R., in concrete post; standard tablet stamped "T T 1109 W 1934" -----	38 17 54.19	94 20 36.04	2,560
Highway at hedge fences E. and W. on line through center sec. 3, T. 40 N., R. 31 W. -----	38 18 01.1	94 20 40.2	2,740
Crossroad on line between secs. 3 and 34, Tps. 40 and 41 N., R. 31 W. -----	38 18 27.4	94 20 47.4	2,720
T. 41 N., R. 31 W., quarter cor. between secs. 33 and 34, highway at fences E. and W. -----	38 18 53.3	94 20 48.5	2,625
T. 41 N., R. 31 W., cor. secs. 27, 28, 33, and 34, crossroad -----	38 19 19.3	94 20 47.7	2,630
T. 41 N., R. 31 W., quarter cor. between secs. 27 and 28, highway at fence W. -----	38 19 45.6	94 20 46.9	2,660
T. 41 N., R. 31 W., cor. secs. 21, 22, 27, and 28, crossroad -----	36 20 11.6	94 20 46.1	2,630
T. 41 N., R. 31 W., quarter cor. between secs. 21 and 22, highway at fence W. -----	38 20 37.6	94 20 45.4	2,630
C W A 1934 860 (previously described) -----	38 21 04.10	94 20 43.11	2,685

5. FROM ARCHIE WEST ALONG COUNTY ROUTE A INTO AMORET QUADRANGLE  
(by C. E. Wyrick in 1934)

222 C W A 1934 (previously described) -----	38 28 45.68	94 20 40.67	.....
Crossroad -----	38 28 59.5	94 20 56.7	1,890
Archie, about 800 ft. N. of sta., Missouri Pacific R.R. at highway crossing -----	38 28 57.7	94 21 10.4	1,100
Highway at hedge fence N. on line through center sec. 32, T. 43 N., R. 31 W. -----	38 29 01.5	94 22 19.5	5,510
Junction of rd. S. -----	38 29 01.8	94 22 36.2	1,330
Junction of rd. N. -----	38 29 02.3	94 23 07.3	2,470
Archie, 2.3 mi. W. of, in SE. abutment wall of bridge over drainage ditch; standard tablet stamped "T T 1117 W 1934" -----	38 29 09.27	94 23 38.60	2,590
T. 43 N., Rs. 31 and 32 W., cor. secs. 25, 30, 31, and 36, junction of rd. N. -----	38 29 16.5	94 23 58.7	1,760
T. 43 N., R. 32 W., quarter cor. between secs. 25 and 36, highway at hedge fences N. and S. -----	38 29 17.0	94 24 31.9	2,640
T. 43 N., R. 32 W., cor. secs. 25, 26, 35, and 36, junction of rd. S. -----	38 29 17.7	94 25 05.3	2,650
T. 43 N., R. 32 W., quarter cor. between secs. 26 and 35, crossroad -----	38 29 18.3	94 25 38.6	2,650
T. 43 N., R. 32 W., cor. secs. 26, 27, 34, and 35, highway at fences N. and S. -----	38 29 19.0	94 26 11.8	2,640
Archie, 5.3 mi. W. of, near quarter cor. between secs. 27 and 34, T. 43 N., R. 32 W., 36 ft. N. of highway, 3 ft. S. of right-of-way fence, in line with fence N., in concrete post; standard tablet stamped "T T 1118 W 1934" -----	38 29 19.98	94 26 44.95	2,640
T. 43 N., R. 32 W., cor. secs. 27, 28, 33, and 34, crossroad -----	38 29 20.2	94 27 18.2	2,640
T. 43 N., R. 32 W., quarter cor. between secs. 28 and 33, junction of rd. N. -----	38 29 20.8	94 27 51.3	2,640
T. 43 N., R. 32 W., cor. secs. 28, 29, 32, and 33, highway at hedge fence N. -----	38 29 21.5	94 28 24.5	2,640
T. 43 N., R. 32 W., quarter cor. between secs. 29 and 32, highway at hedge fence N. -----	38 29 22.3	94 28 57.9	2,650
296 C W A 1934 (previously described) -----	38 29 23.43	94 29 31.55	2,680

(Continued in Amoret quadrangle; see line 3.)

6. FROM URICH QUADRANGLE AT SEC. 33, T. 43 N., R. 30 W., WEST TO ARCHIE  
(by W. A. Wheeler in 1934)

(Continued from Urich quadrangle; see line 6.)

T. 42 N., R. 30 W., near NE. cor. sec. 5, 13 ft. S. of T-rd. N. at S. cor. secs. 32 and 33, T. 43 N., R. 30 W., in concrete post; standard tablet stamped "210 C W A 1934" -----	38 28 12.49	94 15 08.68	(2,650)
T. 43 N., R. 30 W., quarter cor. between secs. 32 and 33, rd. at fences E. and W. -----	38 28 38.8	94 15 07.4	2,660
T. 43 N., R. 30 W., cor. secs. 28, 29, 32, and 33, T-rd. S. -----	38 29 05.0	94 15 06.1	2,660
T. 43 N., R. 30 W., quarter cor. between secs. 29 and 32, rd. at fence S. -----	38 29 05.9	94 15 39.5	2,660
T. 43 N., R. 30 W., cor. secs. 29, 30, 31, and 32, T-rd. S. -----	38 29 06.7	94 16 12.8	2,650
T. 43 N., R. 30 W., quarter cor. between secs. 30 and 31, T-rd. N. -----	38 29 07.5	94 16 46.2	2,649
T. 43 N., Rs. 30 and 31 W., cor. secs. 25, 30, 31, and 36, 16 ft. N. of T-rd. S., in concrete post; standard tablet stamped "208 C W A 1934" -----	38 29 08.48	94 17 19.51	2,655

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 43 N., R. 31 W., quarter cor. between secs. 25 and 36, T-rd. N., 280 ft. W. of T-rd. S. -----	38 29 08.6	94 17 52.7	2,640
T. 43 N., R. 31 W., cor. secs. 25, 26, 35, and 36, rd. at fences N. and S. -----	38 29 09.3	94 18 25.8	2,630
T. 43 N., R. 31 W., quarter cor. between secs. 26 and 35, fences N. and S. and fence E. produced. -----	38 29 10.1	94 18 59.4	2,670
T. 43 N., R. 31 W., center sec. 35, fence E. and fence S. -----	38 28 43.8	94 19 00.3	2,660
T. 43 N., R. 31 W., quarter cor. between secs. 34 and 35, rd. at fence S. -----	38 28 44.6	94 19 33.9	2,670
Grand River drainage ditch, center of bridge over -----	38 28 45.3	94 20 03.3	2,340
222 C W A 1934 (previously described) -----	38 28 45.68	94 20 40.67	2,970

7. FROM SEC. 4, T. 41 N., R. 32 W., SOUTH INTO BUTLER NO. 3 QUADRANGLE AT SEC. 30, T. 40 N., R. 32 W. (by S. T. Tudor in 1934)

266 C W A 1934 872 (previously described) -----	38 22 56.70	94 28 27.58	.....
T. 41 N., R. 32 W., quarter cor. between secs. 16 and 17, rd. at fences E. and W. -----	38 21 38.9	94 28 30.1	7,875
T. 41 N., R. 32 W., cor. secs. 17, 18, 19, and 20, T-rd. N. -----	38 21 14.6	94 29 37.0	5,860
T. 41 N., R. 32 W., E. sixteenth cor. between secs. 18 and 19, 27 ft. S. and 30 ft. E. from T-rd. S., 4 ft. S. and 14 ft. E. from fence corner, in concrete post; standard tablet stamped "876" -----	38 21 14.79	94 29 53.29	1,300
T. 41 N., R. 32 W., E. sixteenth cor. sec. 19, rd. at fences E. and W. -----	38 20 48.9	94 29 54.2	2,620
T. 41 N., R. 32 W., E. sixteenth cor. between secs. 19 and 30, crossroads -----	38 20 22.9	94 29 54.8	2,630
T. 41 N., R. 32 W., E. sixteenth cor. between secs. 30 and 31, crossroads -----	38 19 31.2	94 29 56.4	5,240
T. 41 N., R. 32 W., E. sixteenth cor. sec. 31, rd. corner from N.-E. -----	38 19 04.9	94 29 57.5	2,660
T. 41 N., R. 32 W., S. cor. secs. 31 and 32, 29 ft. N. and 30 ft. W. from T-rd. N., 4 ft. N. and 5 ft. W. from fence corner, in concrete post; standard tablet stamped "402 C W A 1934 853" -----	38 18 38.74	94 29 42.07	2,910
T. 40 N., R. 32 W., quarter cor. between secs. 5 and 6, rd. at fences E. and W. -----	38 18 11.9	94 29 39.3	2,720
T. 40 N., R. 32 W., cor. secs. 5, 6, 7, and 8, crossroads -----	38 17 46.0	94 29 40.2	2,630
T. 40 N., R. 32 W., quarter cor. between secs. 7 and 8, rd. at fences E. and W. -----	38 17 19.8	94 29 41.0	2,645
T. 40 N., R. 32 W., cor. secs. 7, 8, 17, and 18, crossroads -----	38 16 53.7	94 29 41.9	2,640
T. 40 N., R. 32 W., quarter cor. between secs. 17 and 18, rd. at fences E. and W. -----	38 16 27.7	94 29 42.9	2,640
T. 40 N., R. 32 W., cor. secs. 17, 18, 19, and 20, intersection of State Highway 52 -----	38 16 01.5	94 29 43.9	2,650
T. 40 N., R. 32 W., cor. secs. 17, 18, 19, and 20, 45 ft. S. and 195 ft. E. from State Highway 52 at crossroad at Virginia, 3 ft. N. of S. right-of-way fence, in concrete post; standard tablet stamped "232 C W A 1934 875" -----	38 16 01.02	94 29 41.49	200
T. 40 N., R. 32 W., quarter cor. between secs. 19 and 20, rd. at fences E. and W. -----	38 15 35.5	94 29 44.8	2,600
T. 40 N., R. 32 W., cor. secs. 19, 20, 29, and 30, crossroads -----	38 15 09.4	94 29 45.9	2,640

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

8. FROM BUTLER WEST ALONG STATE HIGHWAY 52 INTO AMORET QUADRANGLE (by C. E. Wyrick in 1934)

Junction of U.S. Highway 71 (previously described) -----	38 15 24.6	94 20 35.0	.....
T. 40 N., R. 31 W., quarter cor. between secs. 21 and 22, junction of rd. S. -----	38 15 25.2	94 20 55.2	1,615
T. 40 N., R. 31 W., center sec. 21, highway at hedge fences N. and S. -----	38 15 25.7	94 21 30.7	2,830
T. 40 N., R. 31 W., quarter cor. between secs. 20 and 21, highway at fence N. -----	38 15 26.2	94 22 03.4	2,610
T. 40 N., R. 31 W., center sec. 20, highway at fences N. and S. -----	38 15 26.9	94 22 36.1	2,610
Butler, 2 mi. W. of, W. sixteenth cor. sec. 20, T. 40 N., R. 31 W., 50 ft. N. and 46 ft. E. from crossroad at Tygard School, 6 ft. S. of flag pole, in concrete post; standard tablet stamped "T T 1120 W 1934" -----	38 15 27.75	94 22 51.96	1,263
T. 40 N., R. 31 W., center sec. 19, junction of rd. S. -----	38 15 28.2	94 23 41.8	3,977
T. 40 N., R. 32 W., center sec. 24, highway at fence N. -----	38 15 29.1	94 24 48.2	5,290

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Butler, 5 mi. W. of, E. sixteenth cor. between secs. 14 and 23, T. 40 N., R. 32 W., 49 ft. N. and 150 ft. W. from junction of private drive to property of T. W. Huffman, in concrete post; standard tablet stamped "T T 1121 W 1934" -----	38 15 56.62	94 25 39.35	4,940
T. 40 N., R. 32 W., cor. secs. 14, 15, 22, and 23, crossroad -----	38 15 57.3	94 26 26.5	3,760
T. 40 N., R. 32 W., quarter cor. between secs. 15 and 22, highway at fences N. and S. -----	38 15 57.9	94 26 59.6	2,641
Butler, 6.8 mi. W. of, cor. secs. 15, 16, 21, and 22, T. 40 N., R. 32 W., 37 ft. N. and 77 ft. W. from crossroad, in concrete post; standard tablet stamped "T T 1122 W 1934" -----	38 15 58.88	94 27 33.54	2,707
T. 40 N., R. 32 W., quarter cor. between secs. 16 and 21, highway at fences N. and S. -----	38 15 59.3	94 28 05.8	2,566
T. 40 N., R. 32 W., cor. secs. 16, 17, 20, and 21, crossroad -----	38 16 00.1	94 28 38.7	2,630
T. 40 N., R. 32 W., quarter cor. between secs. 17 and 20, highway at fences N. and S. -----	38 16 00.9	94 29 11.3	2,600
232 C W A 1934 875 (previously described) -----	38 16 01.02	94 29 41.49	2,403

(Continued in Amoret quadrangle; see line 4.)

9. FROM SEC. 4, T. 41 N., R. 32 W., SOUTH AND WEST INTO AMORET QUADRANGLE  
AT SEC. 16, T. 41 N., R. 32 W. (by W. V. Kennedy in 1934)

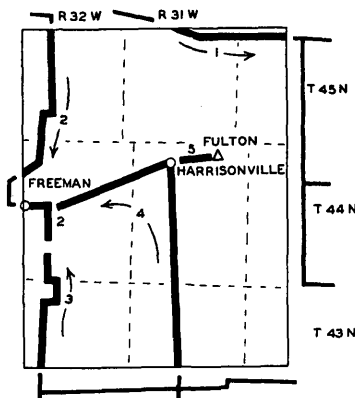
266 C W A 1934 872 (previously described) -----	38 22 56.70	94 28 27.58	.....
T. 41 N., R. 32 W., quarter cor. between secs. 8 and 9, rd. at fences E. and W. -----	38 22 31.2	94 28 28.5	2,580
Knobs Creek, center of bridge over -----	38 22 09.4	94 28 28.2	2,210
T. 41 N., R. 32 W., cor. secs. 8, 9, 16, and 17, T-rd. W. -----	38 22 04.9	94 28 29.3	460
T. 41 N., R. 32 W., quarter cor. between secs. 8 and 17, rd. at fence N. -----	38 22 05.7	94 29 02.4	2,640
T. 41 N., R. 32 W., cor. secs. 7, 8, 17, and 18, crossroads -----	38 22 06.5	94 29 35.5	2,635

(Continued in Amoret quadrangle; see line 1.)

Magnetic declination 7° 26' E.

HARRISONVILLE QUADRANGLE  
(Latitude 38°30'-38°45'; longitude 94°15'-94°30')

Cass County



1. FROM HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 4, T. 45 N., R. 31 W.,  
SOUTH, THENCE EAST INTO GARDEN CITY QUADRANGLE AT SEC. 4, T. 45 N.,  
R. 30 W. (by R. E. Keim in 1934)

(Continued from Harrisonville No. 2 quadrangle; see line 11.)

T-rd. N., 80 ft. W. of T-rd. S. -----	38 44 59.6	94 20 52.7	(5,270)
Center of bridge -----	38 44 59.3	94 20 22.8	2,370
T. 45 N., R. 31 W., N. cor. secs. 2 and 3, rd. at fence S. -----	38 44 57.5	94 19 45.6	2,950

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
T. 45 N., R. 31 W., about 0.2 mi. E. of N. cor. secs. 2 and 3, 22 ft. S. and 23 ft. E. from T-rd. W., in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 44 56.69	94 19 28.80	1,340
W. rail of Missouri Pacific R.R. at rd. crossing- -----	38 44 43.0	94 18 50.2	3,360
Rd. at fence N. -----	38 44 41.3	94 18 10.3	3,165
T-rd. E. -----	38 44 53.3	94 17 47.0	2,210
Rd. at fence S. -----	38 44 52.4	94 17 15.5	2,500
T. 45 N., R. 30 W., in NE 1/4 sec. 6, 293 ft. E. of State Highway 7, 18 ft. S. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 44 51.72	94 16 37.46	3,010
Rd. at fence N. -----	38 44 51.4	94 16 06.5	2,455
T-rd. S., 70 ft. W. of T-rd. N. -----	38 44 50.5	94 15 17.6	3,870

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

2. FROM HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 5, T. 45 N., R. 32 W., SOUTH TO SEC. 19, T. 44 N., R. 32 W. (by S. T. Tudor in 1934)  
(Continued from Harrisonville No. 2 quadrangle; see line 15.)

U.S. Highway 71 at crossroad -----	38 44 50.1	94 28 40.6	(2,640)
T. 45 N., R. 32 W., cor. secs. 4, 5, 8, and 9, T-rd. E. -----	38 44 23.6	94 28 40.3	2,690
T. 45 N., R. 32 W., quarter cor. between secs. 8 and 9, T-rd. W. -----	38 43 57.6	94 28 41.8	2,635
T. 45 N., R. 32 W., cor. secs. 8, 9, 16, and 17, 32 ft. N. and 27 ft. E. from crossroads, 9 ft. N. and 7 ft. E. from fence corner, in concrete post; standard tablet stamped "280 C W A 1934" -----	38 43 31.55	94 28 42.90	2,635
T. 45 N., R. 32 W., quarter cor. between secs. 16 and 17, rd. at fences E. and W. -----	38 43 05.1	94 28 44.7	2,680
T. 45 N., R. 32 W., cor. secs. 16, 17, 20, and 21, crossroads -----	38 42 38.9	94 28 46.1	2,660
T. 45 N., R. 32 W., cor. secs. 20, 21, 28, and 29, crossroads -----	38 41 46.4	94 28 47.3	5,310
T. 45 N., R. 32 W., S. sixteenth cor. between secs. 28 and 29, 25 ft. S. and 22 ft. W. from T-rd. W., 6 ft. S. and 4 ft. W. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 41 06.70	94 28 48.50	4,020
T. 45 N., R. 32 W., center of SW 1/4 sec. 29, T-rd. S. -----	38 41 09.1	94 29 38.2	3,950
T. 45 N., R. 32 W., center of SW 1/4 sec. 32, T-rd. W. -----	38 40 16.9	94 29 41.9	5,290
Crossroads -----	38 39 50.7	94 29 42.1	2,655
Freeman, 2 mi. N. of, in W 1/2 sec. 6, T. 44 N., R. 32 W., 30 ft. W. of rd. corner from NE-S., 3 ft. W. of fence, in concrete post; standard tablet stamped "207 C W A 1934" -----	38 38 58.09	94 29 57.87	5,470
T. 44 N., R. 32 W., W. sixteenth cor. between secs. 6 and 7, T-rd. N. -----	38 38 07.0	94 29 59.3	5,165

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

Freeman, about 0.2 mi. E. of, 38 ft. S. of County Route E, 120 ft. S. of SE. corner of pumping sta., in concrete post; standard tablet stamped "229 C W A 1934" -----	38 37 00.99	94 29 51.93	(1,820)
T. 44 N., R. 32 W., N. sixteenth cor. between secs. 17 and 18, T-rd. S. -----	38 37 00.3	94 29 13.1	3,090
Center of bridge -----	38 36 41.3	94 29 14.2	1,930
T. 44 N., R. 32 W., N. sixteenth cor. between secs. 19 and 20, T-rd. E. -----	38 36 08.4	94 29 15.2	3,330
T. 44 N., R. 32 W., cor. secs. 19, 20, 29, and 30, 25 ft. N. and 24 ft. W. from T-rd. N., 8 ft. N. and 5 ft. W. from fence corner, in concrete post; standard tablet stamped "245 C W A 1934" -----	38 35 29.18	94 29 17.32	3,970

3. FROM ADRIAN QUADRANGLE AT SEC. 30, T. 43 N., R. 32 W., NORTH TO SEC. 19, T. 44 N., R. 32 W. (by W. V. Kennedy in 1934)  
(Continued from Adrian quadrangle; see line 2.)

Center of bridge over creek -----	38 30 17.6	94 29 29.5	(2,870)
T. 43 N., R. 32 W., quarter cor. between secs. 19 and 20, crossroads -----	38 30 41.5	94 29 28.6	2,420
T. 43 N., R. 32 W., cor. secs. 17, 18, 19, and 20, rd. at fences E. and W. -----	38 31 09.7	94 29 27.6	2,850
T. 43 N., R. 32 W., quarter cor. between secs. 17 and 18, T-rd. W. -----	38 31 33.8	94 29 26.6	2,440
T. 43 N., R. 32 W., cor. secs. 7, 8, 17, and 18, 50 ft. S. and 27 ft. E. from T-rd. E., 4 ft. S. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "300 C W A 1934" -----	38 31 39.41	94 29 25.38	2,595

Station	Latitude	Longitude	Distance
T. 43 N., R. 32 W., quarter cor. between secs. 7 and 8, T-rd. W. -----	38 32 26.2	94 29 24.5	2,715
T. 43 N., R. 32 W., cor. secs. 5, 6, 7, and 8, stone projecting 6 in. above ground on E. bank of large drain -----	38 32 52.4	94 29 23.5	2,650
T-rd. W. -----	38 33 11.1	94 28 49.0	3,330
Tps. 43 and 44 N., R. 32 W., quarter cor. between secs. 5 and 32, T-rd. S. -----	38 33 43.4	94 28 47.7	3,270
Tps. 43 and 44 N., R. 32 W., W. sixteenth cor. between secs. 5 and 32, 3 ft. S. and 38 ft. W. from, 22 ft. W. of rd. corner, 3 ft. S. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "298 C W A 1934" -----	38 33 43.68	94 29 05.90	1,440
T. 44 N., R. 32 W., W. sixteenth cor. of sec. 32, rd. at fence W. -----	38 34 09.9	94 29 04.4	2,660
T. 44 N., R. 32 W., W. sixteenth cor. between secs. 29 and 32 -----	38 34 36.2	94 29 03.4	2,660
T. 44 N., R. 32 W., cor. secs. 29, 30, 31, and 32, T-rd. N. -----	38 34 36.6	94 29 19.7	1,300
T. 44 N., R. 32 W., quarter cor. between secs. 29 and 30 -----	38 35 02.6	94 29 18.5	2,630
T. 44 N., R. 32 W., E. sixteenth cor. sec. 30 -----	38 35 03.2	94 29 35.1	1,320
T. 44 N., R. 32 W., E. sixteenth cor. between secs. 19 and 30, T-rd. S. -----	38 35 29.2	94 29 33.7	2,640
245 C W A 1934 (previously described) -----	38 35 29.18	94 29 17.32	1,300

4. FROM ADRIAN QUADRANGLE NORTH ALONG U.S. HIGHWAY 71 TO HARRISONVILLE, THENCE WEST ALONG COUNTY ROUTE E (now State Highway 2) TO SEC. 18, T. 44 N., R. 32 W. (by C. E. Wyrick in 1934)

(Continued from Adrian quadrangle; see line 3.)

Junction of rd. E. -----	38 30 05.2	94 20 35.4	(5,350)
Junction of rd. E. -----	38 30 30.5	94 20 30.9	2,590
Junction of private rd. W. -----	38 30 49.2	94 20 39.9	2,025
Highway at hedge fences E. and W. on line between secs. 16 and 21, T. 43 N., R. 31 W. -----	38 30 57.0	94 20 46.0	920
Archie, about 3 mi. N. of, 34 ft. E. of highway, 32 ft. N. of rd. E., in concrete post; standard tablet stamped "T T 1112 W 1934" -----	38 31 24.10	94 21 05.17	3,140
Junction of private rd. W. -----	38 31 54.1	94 21 05.6	3,030
Junction of rd. E. -----	38 32 03.0	94 21 05.2	900
Junction of rd. W. -----	38 32 29.1	94 21 04.0	2,640
Junction of rd. E. -----	38 32 47.8	94 21 01.6	1,910
Crossroad on line between secs. 4 and 33, Tps. 43 and 44 N., R. 31 W. -----	38 33 34.4	94 21 01.5	4,700
Harrisonville, 5.2 mi. S. of SW. limits of, 39 ft. E. of highway, 280 ft. N. of hedge fence, 4 ft. SE. of NW. corner of barnlot of S. M. Wirt, in concrete post; standard tablet stamped "T T 1113 W 1934" -----	38 34 03.33	94 20 59.89	2,930
Crossroad on line between secs. 28 and 33, T. 44 N., R. 31 W. -----	38 34 26.7	94 20 59.4	2,370
Highway at hedge fences E. and W. -----	38 34 52.7	94 20 58.3	2,630
T. 44 N., R. 31 W., quarter cor. between secs. 21 and 28, junction of rd. E. -----	38 35 18.9	94 20 57.2	2,650
Highway at fences E. and W. -----	38 35 44.8	94 20 56.0	2,620
Crossroad on line between secs. 16 and 21, T. 44 N., R. 31 W. -----	38 36 11.0	94 20 55.2	2,650
Harrisonville, 2.5 mi. S. of SW. limits of, 0.5 mi. S. of junction of State Highway 35, 29 ft. W. of highway at fence E., in concrete post; standard tablet stamped "T T 1114 W 1934" -----	38 36 37.04	94 20 54.43	2,630
Junction of State Highway 35 -----	38 37 03.0	94 20 53.0	2,620
Highway at fences E. and W. -----	38 37 29.3	94 20 52.0	2,670
Highway at fences E. and W. on line between secs. 4 and 9, T. 44 N., R. 31 W. -----	38 37 55.6	94 20 59.6	2,720
Harrisonville, at SW. limits of, 30 ft. S. and 37 ft. W. from crossroad, in NW. corner of yard of A. J. Miller, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "C W A 1934" -----	38 38 34.83	94 21 06.86	4,015
Junction of County Route E -----	38 39 15.1	94 21 28.5	4,420
Highway at fence S. on line between secs. 5 and 6, T. 44 N., R. 31 W. -----	38 38 52.8	94 22 28.4	5,265
Missouri-Kansas-Texas R.R. at highway crossing -- Harrisonville, 1.9 mi. W. of U.S. Highway 71, 30 ft. S. and 48 ft. W. from highway at abandoned rd. NW., 48 ft. N. of Missouri-Kansas-Texas R.R., in line with N.-S. fence, in concrete post; standard tablet stamped "T T 1115 W 1934" -----	38 38 45.6	94 22 45.4	1,530
Junction of private rd. N. and fence S. on line between secs. 1 and 6, T. 44 N., R. 31 and 32 W. -----	38 38 38.24	94 23 19.54	2,810
	38 38 34.6	94 23 36.8	1,420

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Junction of rd. S. at fence N. -----	38 38 26.9	94 24 10.3	2,770
Highway at fences N. and S. on approximate line between secs. 1 and 2, T. 44 N., R. 32 W. -----	38 38 27.0	94 24 43.6	2,640
Junction of rd. W. on approximate line between secs. 2 and 11, T. 44 N., R. 32 W. -----	36 38 01.8	94 25 19.0	3,800
Freeman, 4.2 mi. E. of, near E. sixteenth cor. sec. 10, T. 44 N., R. 32 W., 27 ft. S. and 58 ft. E. from junction of rd. E., 6 ft. E. of NE. corner of garden fence of T. F. Prettyman, in concrete post; standard tablet stamped "T. T 1116 W. 1934" -----	38 37 36.37	94 26 04.89	4,460
Crossroad near center sec. 10, T. 44 N., R. 32 W. -----	38 37 37.0	94 26 25.3	1,620
Highway at fences N. and S. on line between secs. 9 and 10, T. 44 N., R. 32 W. -----	36 37 37.5	94 26 58.5	2,640
Crossroad -----	36 37 22.8	94 27 22.3	2,400
Center of bridge -----	36 37 12.0	94 27 40.2	1,790
Crossroad -----	36 37 09.4	94 26 06.7	2,120
Center of bridge -----	36 36 58.6	94 26 46.8	3,300
229 C W A 1934 (previously described) -----	38 37 00.99	94 29 51.93	5,173

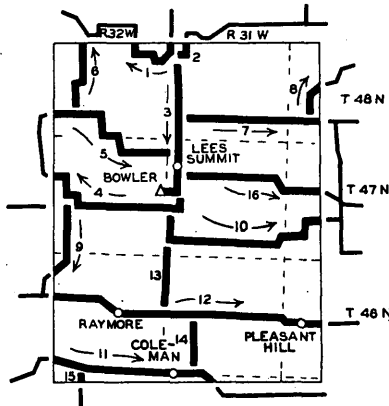
5. FROM SEC. 2, T. 44 N., R. 31 W., WEST TO HARRISONVILLE  
(by O. C. Shelley in 1934)

Fulton triangulation sta.; U.S.C. & G.S. standard disk stamped "Fulton" -----	38 38 43.73	94 18 34.36	.....
T-rd. S. -----	38 38 44.9	94 19 09.3	2,776
Rd. at fence S. -----	38 38 46.3	94 19 59.3	3,970
T-rd. N. -----	38 38 47.8	94 20 49.4	3,980
Harrisonville, rd. at street N. -----	38 38 48.4	94 21 03.4	1,110
C W A 1934 (previously described) -----	38 38 34.83	94 21 06.86	1,395

Magnetic declination 7° 45' E.

HARRISONVILLE NO. 2 QUADRANGLE  
(Latitude 38°45'-39°00'; longitude 94°15'-94°30')

Cass and Jackson Counties



1. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 6, T. 48 N., R. 31 W.,  
WEST INTO INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 3, T. 48 N.,  
R. 32 W. (by W. R. Broadus in 1932)  
(Continued from Independence No. 3 quadrangle; see line 1-A.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 48 N., R. 31 W., W. cor. secs. 6 and 7, 30 ft. N. and 40 ft. E. from junction of rd. E., in concrete post; standard tablet stamped "T 245 B 1932" -----	38 59 53.20	94 23 20.42	(6,622)
Center of small bridge -----	38 59 28.8	94 24 04.3	4,257
Rd. forks at S. end of bridge -----	38 59 22.7	94 24 27.1	1,698
Little Blue Station, Missouri Pacific R.R. at rd. crossing -----	36 59 26.4	94 24 44.6	1,433

Station	Latitude	Longitude	Distance
T-rd. E. -----	38 59 27.8	94 25 01.6	Feet 1,349
Center of bridge -----	38 59 47.0	94 25 34.6	3,243
T-rd. S. -----	38 59 45.8	94 25 46.0	909
T. 48 N., R. 32 W., N. sixteenth cor. sec. 10, 20 ft. S. and 15 ft. E. from rd. corner, in concrete post; standard tablet stamped "T T 246 B 1932" -----	38 59 47.20	94 26 08.86	1,806

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

2. FROM SEC. 6, T. 48 N., R. 31 W., NORTHEAST INTO INDEPENDENCE NO. 3  
QUADRANGLE AT SEC. 6, T. 48 N., R. 31 W. (by W. R. Broadus in 1932)

T T 245 B 1932 (previously described) -----	38 59 53.20	94 23 20.42	.....
Rd. corner E. of small creek valley -----	38 59 51.0	94 22 22.3	4,595
Rd. corner on line between secs. 5 and 6, T. 48 N., R. 31 W. -----	38 59 59.2	94 22 14.4	1,042

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

3. FROM SEC. 6, T. 48 N., R. 31 W., SOUTH ALONG JACKSON COUNTY HIGHWAY 10-E  
TO LEES SUMMIT, THENCE SOUTH AND WEST ALONG ROADS TO SEC. 18, T. 47 N.,  
R. 31 W. (by G. N. Tex in 1933)

T T 245 B 1932 (previously described) -----	38 59 53.20	94 23 20.42	.....
T. 48 N., Rs. 31 and 32 W., probable cor. secs. 7, 12, 13, and 18, crossroad -----	38 59 00.4	94 23 20.0	5,340
T. 48 N., R. 32 W., E. quarter cor. sec. 13, 50 ft. N. of junction of rd. E. -----	38 58 34.5	94 23 23.2	2,640
Jackson County Farm, water tower at -----	38 58 26.9	94 23 46.8	2,020
Junction of rd. E. on line between secs. 18 and 19, T. 48 N., R. 31 W. -----	38 58 07.9	94 23 18.1	2,980
T. 48 N., R. 31 W., in SE 1/4 SW 1/4 sec. 19, 90 ft. S. and 30 ft. E. from junction of rd. S., 4 ft. N. and 6 ft. W. from telephone pole, in concrete post; standard tablet stamped "T T 16 T 1933" -----	38 57 23.89	94 23 03.53	4,600
Crossroad on line between secs. 19 and 30, T. 48 N., R. 31 W. -----	38 57 14.2	94 22 48.2	1,550
Intersection of Jackson County Highway 8-S -----	38 56 47.7	94 22 40.2	2,750
Unity Farm tower -----	38 56 50.8	94 24 26.0	8,360
Highway at fences E. and W. on line between secs. 30 and 31, T. 48 N., R. 31 W. -----	38 56 21.6	94 22 41.6	8,760
Highway at fences E. and W. on approximate line through center sec. 31, T. 48 N., R. 31 W. Lees Summit, at N. limits of, 42 ft. N. and 24 ft. W. from junction of rd. W., 3 ft. S. and 4 ft. E. from transmission-line pole, in concrete post; standard tablet stamped "T T 17 T 1933" -----	38 55 55.4	94 22 44.2	2,660
Lees Summit, intersection of A Street and North Douglass Street -----	38 55 29.95	94 22 46.76	2,580
Lees Summit, main track of Missouri Pacific R.R. at sta. -----	38 54 59.2	94 22 43.4	3,120
Lees Summit, water tower at -----	38 54 45.2	94 22 40.5	1,440
Junction of U.S. Highway 50 and State Highway 35- T. 47 N., R. 31 W., approximate cor. secs. 7, 8, 17, and 18, crossroads -----	38 54 25.7	94 22 31.6	2,090
T. 47 N., R. 31 W., approximate quarter cor. between secs. 17 and 18, T-rd. W. -----	38 54 12.2	94 22 33.0	1,370
Bowler triangulation sta.; U.S.C. & G.S. standard disk stamped "Bowler" -----	38 53 46.1	94 22 37.9	2,670
	38 53 20.2	94 22 39.3	2,630
	38 53 16.21	94 23 39.57	4,790

4. FROM SEC. 17, T. 47 N., R. 31 W., WEST INTO OLATHE NO. 1 QUADRANGLE  
AT SEC. 18, T. 47 N., R. 32 W. (by R. R. Boswell, Jr. and G. N. Tex  
in 1933)

T-rd. W. (previously described) -----	38 53 20.2	94 22 39.3	.....
T. 47 N., R. 31 W., approximate cor. secs. 17, 18, 19, and 20, rd. at fence E. -----	38 52 54.2	94 22 41.0	2,630
T-rd. N. -----	38 52 41.2	94 22 41.8	1,310
T-rd. S. -----	38 52 41.9	94 22 58.5	1,330
T-rd. N. on line between secs. 19 and 30, T. 47 N., R. 31 W. -----	38 52 02.4	94 23 00.5	4,000
T. 47 N., Rs. 31 and 32 W., cor. secs. 19, 24, 25, and 30, 30 ft. S. and 69 ft. E. from Jackson County Highway 10-E at crossroad, 7 ft. N. and 70 ft. E. from highway at fence E., in concrete post; standard tablet stamped "T T 18 T 1933" -----	38 52 04.25	94 23 50.31	3,950
T. 47 N., R. 32 W., approximate quarter cor. between secs. 24 and 25, rd. at fences N. and S. -----	38 52 05.0	94 24 24.6	2,720



Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 47 N., R. 32 W., approximate cor. secs. 23, 24, 25, and 26, crossroads -----	38 52 06.0	94 24 58.0	2,640
T. 47 N., R. 32 W., approximate quarter cor. between secs. 23 and 26, rd. at fences N. and S. -----	38 52 07.0	94 25 31.5	2,650
T. 47 N., R. 32 W., approximate cor. secs. 22, 23, 26, and 27, T-rd. S. -----	38 52 07.9	94 26 04.9	2,650
T-rd. N., 120 ft. E. of rd. at fence S. at approximate quarter cor. between secs. 22 and 27, T. 47 N., R. 32 W. -----	38 52 09.0	94 26 36.8	2,520
T. 47 N., R. 32 W., approximate cor. secs. 21, 22, 27, and 28, rd. at fences N. and S. -----	38 52 10.3	94 27 11.7	2,760
T. 47 N., R. 32 W., quarter cor. between secs. 21 and 28, 28 ft. N. and 24 ft. W. from T-rd. E., 6 ft. N. and 7 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 19 T 1933" -----	38 52 11.80	94 27 45.37	2,670
Rd. corner from S.-W. -----	38 52 24.5	94 27 44.3	1,290
Junction of Jackson County Highway 5-E at rd. E.-Jackson County Highway 5-E at junction of Jackson County Highway 13-S -----	38 52 26.5	94 28 34.3	3,960
T. 47 N., R. 32 W., approximate cor. secs. 17, 18, 19, and 20, T-rd. S. -----	38 53 05.6	94 28 32.0	3,960
T. 47 N., R. 32 W., E. sixteenth cor. between secs. 18 and 19, 34 ft. N. and 24 ft. E. from T-rd. N., 4 ft. N. and 8 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 20 T 1933" -----	38 53 07.4	94 29 22.1	3,960
T-rd. S. on line between secs. 7 and 18, T. 47 N., R. 32 W. -----	38 53 08.38	94 29 38.46	1,300
	38 54 00.4	94 29 35.8	5,270

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

5. FROM OLATHE NO. 1 QUADRANGLE EAST ALONG JACKSON COUNTY HIGHWAY 8-S TO SEC. 28, T. 48 N., R. 32 W., THENCE SOUTH AND EAST ALONG ROADS TO LEES SUMMIT (by R. R. Boswell, Jr. and G. N. Tex in 1933)  
(Continued from Olathe No. 1 quadrangle; see line 2.)

T. 48 N., R. 32 W., center sec. 30, 38 ft. S. and 78 ft. W. from crossroads, 2 ft. N. of board fence, in concrete post; standard tablet stamped "T T 22 T 1933" -----	38 57 06.06	94 29 38.64	(2,570)
T. 48 N., R. 32 W., approximate quarter cor. between secs. 29 and 30, highway at fences N. and S. -----	38 57 05.3	94 29 04.2	2,730
T. 48 N., R. 32 W., approximate center sec. 29, junction of rd. N. -----	38 57 03.9	94 28 30.7	2,650
T. 48 N., R. 32 W., approximate quarter cor. between secs. 28 and 29, crossroad -----	38 57 02.4	94 27 57.0	2,660
T. 48 N., R. 32 W., approximate center sec. 28, junction of rd. S. -----	38 57 01.0	94 27 23.6	2,650
T. 48 N., R. 32 W., quarter cor. between secs. 28 and 33, 32 ft. S. of rd. corner from N.-E. produced, 37 ft. S. of 24-in. oak tree (original witness tree), 2 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 6 BO 1933" -----	38 56 34.42	94 27 24.90	2,700
Little Blue River, center of bridge over -----	38 56 15.1	94 26 51.9	3,260
T. 48 N., R. 32 W., approximate quarter cor. between secs. 33 and 34, iron pipe, W. of rd. at fence E. -----	38 56 07.4	94 26 52.9	790
T. 47 N., R. 32 W., approximate N. cor. secs. 3 and 4, T-rd. E., 260 ft. W. of rd. at fence N. at approximate S. cor. secs. 33 and 34, T. 48 N., R. 32 W. -----	38 55 41.4	94 26 57.7	2,665
Cedar Creek, center of bridge over -----	38 55 39.5	94 26 21.8	2,840
T. 47 N., R. 32 W., N. cor. secs. 2 and 3, 30 ft. N. and 110 ft. W. from rd. at private drive S., 45 ft. N. and 360 ft. W. from rd. at fences N. at S. cor. secs. 34 and 35, T. 48 N., R. 32 W., 3 ft. N. of telephone pole, in concrete post; standard tablet stamped "T T 24 T 1933" -----	38 55 38.48	94 25 52.26	2,560
T. 47 N., R. 32 W., approximate N. cor. secs. 1 and 2, T-rd. S., 280 ft. W. of T-rd. N. at approximate S. cor. secs. 35 and 36, T. 48 N., R. 32 W. -----	38 55 35.9	94 24 44.1	5,395
T. 48 N., R. 32 W., approximate S. quarter cor. sec. 36, intersection of U.S. Highway 50 -----	38 55 33.0	94 24 08.6	2,820
T. 47 N., Rs. 31 and 32 W., approximate N. cor. secs. 1 and 6, T-rd. S., 253 ft. W. of T-rd. N. at approximate S. cor. secs. 31 and 36, T. 48 N., Rs. 31 and 32 W. -----	38 55 31.7	94 23 37.5	2,465
T T 17 T 1933 (previously described) -----	38 55 29.95	94 22 46.76	4,010

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
6. FROM SEC. 30, T. 48 N., R. 32 W., NORTH ALONG JAMES REED ROAD AND BLUE RIDGE BOULEVARD INTO INDEPENDENCE NO. 3 QUADRANGLE (by R. R. Boswell, Jr. in 1933)			
T T 22 T 1933 (previously described) -----	38 57 06.06	94 29 38.64	.....
T. 48 N., R. 32 W., approximate quarter cor. between secs. 19 and 30, highway at fences E. and W. -----	38 57 32.5	94 29 36.5	2,680
T. 48 N., R. 32 W., approximate center sec. 19, intersection of 87th Street -----	38 57 58.6	94 29 35.3	2,640
T. 48 N., R. 32 W., approximate quarter cor. between secs. 18 and 19, intersection of 89th Street -----	38 58 25.2	94 29 34.1	2,700
T. 48 N., R. 32 W., approximate quarter cor. between secs. 17 and 18, old witness tree -----	38 58 50.1	94 28 59.4	3,720
T. 48 N., R. 32 W., approximate cor. secs. 7, 8, 17, and 18, highway at fence E. -----	38 59 16.4	94 28 58.0	2,660
T. 48 N., R. 32 W., approximate quarter cor. between secs. 7 and 8, intersection of Gregory Road -----	38 59 42.6	94 28 55.9	2,650
T T 23 T 1933 (in Independence No. 3 quadrangle; see line 2.) -----	39 00 10.03	94 28 54.95	2,780

7. FROM SEC. 30, T. 48 N., R. 31 W., EAST ALONG JACKSON COUNTY HIGHWAY 8-S INTO LONEJACK QUADRANGLE (by W. V. Kennedy in 1933)

Intersection of Jackson County Highways 8-S and 10-E (previously described) -----	38 56 47.7	94 22 40.2	.....
T. 48 N., R. 31 W., center sec. 29, crossroad (position doubtful) -----	38 56 46.3	94 21 41.8	4,624
T. 48 N., R. 31 W., near E. sixteenth cor. sec. 29, 34 ft. S. and 8 ft. W. from junction of Woods Chapel Road, 3 ft. S. and 7 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 1 K 1933" -----	38 56 45.83	94 21 33.62	651
T. 48 N., R. 31 W., quarter cor. between secs. 28 and 29, highway at fences N. and S. (description doubtful) -----	38 56 45.6	94 21 08.5	1,987
Junction of rd. N., 15 ft. N. and 493 ft. W. from bridge over East Fork of Little Blue River -----	38 56 44.0	94 19 58.6	5,528
T. 48 N., R. 31 W., quarter cor. between secs. 26 and 27, junction of rd. S. -----	38 56 42.1	94 19 02.2	4,458
T. 48 N., R. 31 W., center sec. 26, 26 ft. S. and 19 ft. W. from SW. corner of Cyclone School, 45 ft. N. and 22 ft. E. from junction of rd. N., 2 ft. E. of retaining wall of schoolyard, in concrete post; standard tablet stamped "T T 2 K 1933" -----	38 56 41.55	94 18 28.36	2,674
T. 48 N., R. 31 W., quarter cor. between secs. 25 and 26, highway at fence S. -----	38 56 40.1	94 17 55.1	2,630
T. 48 N., R. 31 W., center sec. 25, junction of rd. S. -----	38 56 39.2	94 17 21.8	2,632
T. 48 N., R. 30 and 31 W., quarter cor. between secs. 25 and 30, junction of rd. W. produced at fence S. -----	38 56 38.3	94 16 48.2	2,661
Intersection of Jackson County Highway 16-E -----	38 56 38.3	94 16 31.1	1,351
T. 48 N., R. 30 W., center sec. 30, highway at fence N. -----	38 56 37.8	94 16 14.0	1,354
T. 48 N., R. 30 W., W. sixteenth cor. sec. 29, 45 ft. N. and 19 ft. W. from crossroad, about 0.5 mi. N. of Lake Lotawana, 1 ft. N. and 1 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 3 K 1933" -----	38 56 36.74	94 15 24.54	3,908
T. 48 N., R. 30 W., center sec. 29, highway at fences N. and S. -----	38 56 35.7	94 15 07.7	1,335

(Continued in Lonejack quadrangle; see line 7.)

8. FROM SEC. 29, T. 48 N., R. 30 W., NORTH INTO LONEJACK QUADRANGLE AT SEC. 17, T. 48 N., R. 30 W. (by W. V. Kennedy in 1933)

T T 3 K 1933 (previously described) -----	38 56 36.74	94 15 24.54	.....
T-rd. W. on line between secs. 20 and 29, T. 48 N., R. 30 W. -----	38 57 02.6	94 15 22.9	2,619
Center of culvert over creek -----	38 57 22.6	94 15 18.7	2,054
T-rd. S. on line between secs. 17 and 20, T. 48 N., R. 30 W. -----	38 57 54.7	94 15 20.7	3,251
T. 48 N., R. 30 W., quarter cor. between secs. 17 and 20, rd. at fence S. -----	38 57 54.2	94 15 04.3	1,300

(Continued in Lonejack quadrangle; see line 5.)

\*In September 1937 it was reported that this tablet was destroyed.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
9. FROM SEC. 18, T. 47 N., R. 32 W., SOUTH INTO OLATHE NO. 1 QUADRANGLE AT SEC. 6, T. 46 N., R. 32 W. (by L. D. Pike in 1933)			
T T 20 T 1933 (previously described) -----	38 53 08.38	94 29 38.46	.....
T. 47 N., R. 32 W., approximate quarter cor. between secs. 19 and 20, rd. at fence E. -----	38 52 41.2	94 29 23.5	2,990
Rd. at fence E. -----	38 52 17.5	94 29 24.8	2,405
T. 47 N., R. 32 W., probable quarter cor. between secs. 29 and 30, rd. at hedge fence W. -----	38 51 49.6	94 29 26.3	2,820
T. 47 N., R. 32 W., cor. secs. 29, 30, 31, and 32, crossroads -----	38 51 22.6	94 29 27.8	2,730
T. 47 N., R. 32 W., approximate quarter cor. between secs. 31 and 32, rd. at hedge fence W. -----	38 50 56.6	94 29 29.3	2,640
T. 47 N., R. 32 W., S. cor. secs. 31 and 32, 25 ft. S. and 94 ft. W. from T-rd. N., 700 ft. W. of T-rd. S. at N. cor. secs. 5 and 6, T. 46 N., R. 32 W., on Cass-Jackson county line, 19 ft. N. and 48 ft. E. from dwelling of W. M. Crime, in concrete post; standard tablet stamped "T 1 P 1933" -----	38 50 30.25	94 29 31.98	2,670
T. 46 N., R. 32 W., N. quarter cor. sec. 6, T-rd. S. -----	38 50 31.4	94 29 56.9	1,980
T. 46 N., R. 32 W., approximate center sec. 6, rd. at fences E. and W. -----	38 50 06.0	94 29 59.0	2,580
(Continued in Olathe No. 1 quadrangle; see line 6.)			

10. FROM SEC. 19, T. 47 N., R. 31 W., SOUTH ALONG JACKSON COUNTY HIGHWAY 10-E  
TO SEC. 31, T. 47 N., R. 31 W., THENCE EAST ALONG JACKSON COUNTY  
HIGHWAY 15-S INTO LONEJACK QUADRANGLE (by C. E. Wyrick in 1934)

T T 18 T 1933 (previously described) -----	38 52 04.25	94 23 50.31	.....
T. 47 N., Rs. 31 and 32 W., quarter cor. between secs. 25 and 30, highway at hedge fences E. and W. -----	38 51 38.0	94 23 52.6	2,660
T. 47 N., Rs. 31 and 32 W., cor. secs. 25, 30, 31, and 36, highway intersection -----	38 51 11.9	94 23 54.1	2,650
T. 47 N., R. 31 W., quarter cor. between secs. 30 and 31, highway at hedge fences N. and S. -----	38 51 10.9	94 23 20.5	2,660
T. 47 N., R. 31 W., cor. secs. 29, 30, 31, and 32, highway at hedge fences N. and S. -----	38 51 09.7	94 22 47.0	2,650
T. 47 N., R. 31 W., quarter cor. between secs. 29 and 32, highway at hedge fences N. and S. -----	38 51 08.6	94 22 13.6	2,640
T. 47 N., R. 31 W., cor. secs. 28, 29, 32, and 33, junction of rd. S. -----	38 51 07.5	94 21 40.1	2,650
T. 47 N., R. 31 W., quarter cor. between secs. 28 and 33, highway at hedge fence N. -----	38 51 06.3	94 21 06.6	2,650
Greenwood, 67 ft. SW. of bay window of Chicago, Rock Island, & Pacific Ry. sta., 29 ft. N. of highway, in concrete post; U.S.O.C. & G.S. and State Survey standard tablet -----	38 51 05.13	94 20 23.05	3,448
Junction of private entrance -----	38 51 03.8	94 19 53.5	2,341
T. 47 N., R. 31 W., cor. secs. 26, 27, 34, and 35, highway at fences N. and S. -----	38 51 02.9	94 19 26.4	2,145
East Branch of Big Creek, center of concrete bridge over -----	38 51 01.1	94 18 41.8	3,530
T. 47 N., R. 31 W., cor. secs. 25, 26, 35, and 36, crossroad -----	38 51 00.9	94 18 18.8	1,820
T. 47 N., R. 31 W., quarter cor. between secs. 25 and 36, highway at hedge fence N. -----	38 50 59.7	94 17 45.2	2,660
Greenwood, about 2.8 mi. E. of, E. sixteenth cor. between secs. 25 and 36, T. 47 N., R. 31 W., 15 ft. N. of highway, 50 ft. SW. of elm tree, in concrete post; U.S.O.C. & G.S. and State Survey standard tablet -----	38 50 59.48	94 17 29.18	1,260
Junction of farm entrance S. -----	38 51 19.7	94 16 57.2	3,250
T. 47 N., R. 30 W., quarter cor. between secs. 29 and 30, S. junction of State Highway 7 -----	38 51 24.4	94 15 59.4	4,590
T. 47 N., R. 30 W., cor. secs. 19, 20, 29, and 30, N. junction of State Highway 7 -----	38 51 50.5	94 15 57.7	2,645
T. 47 N., R. 30 W., quarter cor. between secs. 20 and 29, highway at hedge fences N. and S. -----	38 51 50.2	94 15 24.4	2,630
(Continued in Lonejack quadrangle; see line 13.)			

11. FROM OLATHE NO. 1 QUADRANGLE AT SEC. 30, T. 46 N., R. 32 W., SOUTH  
ALONG U.S. HIGHWAY 71 TO SEC. 5, T. 45 N., R. 32 W., THENCE EAST  
ALONG ROADS BY WAY OF COLEMAN INTO HARRISONVILLE QUADRANGLE AT  
SEC. 4, T. 45 N., R. 31 W. (by R. E. Keim in 1934)  
(Continued from Olathe No. 1 quadrangle; see line 9.)

T. 46 N., R. 32 W., cor. secs. 29, 30, 31, and 32, crossroad -----	38 46 08.8	94 29 43.4	(4,480)
---	------------	------------	---------

\*In May 1940 it was reported that this tablet was reset 271.5 ft. W. and 11 ft. N. of its original location. The coordinates given refer to the new position.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Belton, 4.8 mi. SE. of, along U.S. Highway 71, at Harrelson, 13 ft. S. and 39 ft. W. from crossroad, 13 ft. S. and 47 ft. E. from E. rail of St. Louis-San Francisco Ry. at rd. crossing, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 46 08.12	94 29 28.92	1,150
Center of bridge over small creek -----	38 45 34.3	94 29 10.1	3,730
Crossroad on line between secs. 5 and 32, Tps. 45 and 46 N., R. 32 W. -----	38 45 14.3	94 28 55.4	2,330
Rd. at fence S. -----	38 45 12.3	94 28 07.6	3,795
T. 45 N., R. 32 W., in NE. cor. sec. 4, 16 ft. S. and 117 ft. W. from T-rd. S., 16 ft. S. and 149 ft. W. from T-rd. N., in concrete post; U.S.C. & G.S. and State Survey standard tablet- Rd. at fence S. -----	38 45 11.04	94 27 35.39	2,550
Tps. 45 and 46 N., R. 32 W., cor. secs. 2, 3, 34, and 35, crossroads (position doubtful) -----	38 45 09.7	94 27 00.6	2,755
T-rd. N. -----	38 45 09.1	94 26 34.6	2,060
Rd. at fence N. -----	38 45 07.5	94 25 19.7	5,935
Rd. at fences N. and S. -----	38 45 06.8	94 24 46.4	2,645
Coleman, 22 ft. S. and 77 ft. E. from T-rd. S., in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 45 06.1	94 24 13.3	2,620
Rd. at fences N. and S. -----	38 45 04.87	94 23 39.15	2,710
Tps. 45 and 46 N., R. 31 W., on line between secs. 5 and 32, 18 ft. S. and 37 ft. E. from State Highway 35 at crossroad, in concrete post; U.S.C. & G.S. and State Survey standard tablet* -----	38 45 04.1	94 23 07.2	2,535
T. 45 N., R. 31 W., N. cor. secs. 4 and 5, rd. at fence S., 63 ft. E. of rd. at fence N. at S. cor. secs. 32 and 33, T. 46 N., R. 31 W. ---	38 45 02.78	94 22 32.67	2,740
	38 45 01.9	94 21 59.1	2,660

(Continued in Harrisonville quadrangle; see line 1.)

12. FROM OLATHE NO. 1 QUADRANGLE AT SEC. 18, T. 46 N., R. 32 W., EAST BY  
WAY OF RAYMORE AND PLEASANT HILL INTO LONEJACK QUADRANGLE AT SEC. 16,  
T. 46 N., R. 30 W. (by W. A. Wheeler in 1934)  
(Continued from Olathe No. 1 quadrangle; see line 10.)

Belton, 2 mi. E. of, about 0.3 mi. W. of NE. cor. sec. 18, T. 46 N., R. 32 W., 39 ft. S. of proposed Belton-Pleasant Hill rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 48 46.31	94 29 50.94	(2,650)
T. 46 N., R. 32 W., cor. secs. 7, 8, 17, and 18, crossroads -----	38 48 45.8	94 29 31.0	1,580
Rd. in line with concrete walk to dwelling of A. M. Huber -----	38 48 44.6	94 29 00.0	2,460
Crossroads -----	38 48 43.4	94 28 27.8	2,560
Belton, 3.7 mi. E. of, about 0.4 mi. E. of NW. cor. sec. 16, T. 46 N., R. 32 W., 52 ft. from St. Louis-San Francisco Ry., 36 ft. S. of proposed Belton-Pleasant Hill rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 48 42.07	94 28 00.83	2,135
Belton, 4.1 mi. E. of, 750 ft. W. of SE. cor. sec. 9, T. 46 N., R. 32 W., 34 ft. N. of proposed Belton-Pleasant Hill rd., 4 ft. E. of W. fence of Rosewell orchard, in concrete post; U.S.C. & G.S. and State Survey standard tablet- Rd. in line with N. side of dwelling -----	38 48 41.86	94 27 32.29	2,260
Raymore, about 0.8 mi. E. of, near quarter cor. between secs. 14 and 15, T. 46 N., R. 32 W., 58 ft. N. and 23 ft. W. from proposed Belton- Pleasant Hill rd. at crossroad, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 48 20.8	94 27 23.9	2,240
Raymore, about 1 mi. E. of, near W. sixteenth cor. sec. 14, T. 46 N., R. 32 W., 46 ft. N. of proposed Belton-Pleasant Hill rd., 77 ft. E. of hedge fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 48 13.74	94 26 19.10	5,181
Crossroads -----	38 48 13.27	94 26 01.26	1,410
Raymore, 2.2 mi. E. of, in SE 1/4 NW 1/4 sec. 13, T. 46 N., R. 32 W., 54 ft. N. of rd., 4 ft. W. of yard fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 48 11.9	94 25 11.9	3,910
Raymore, 2.6 mi. E. of, 926 ft. W. of rd. on line between secs. 13 and 18, T. 46 N., Rs. 31 and 32 W., 47 ft. N. of proposed Belton-Pleasant Hill rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet- Rd. in line with E. wall of dwelling -----	38 48 11.15	94 24 39.83	2,541
	38 48 10.13	94 24 15.30	1,945
	38 48 08.8	94 23 37.7	2,980

\*In July 1938 it was reported by K. D. Cox that this tablet was destroyed.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Rd. at hedge fence N. -----	38 48 08.4	94 23 15.3	1,780
Raymore, 3.9 mi. E. of, in W $\frac{1}{2}$ sec. 17, T. 46 N., R. 31 W., $\frac{3}{4}$ ft. S. of proposed Belton- Pleasant Hill rd., 5 ft. E. of W. yard fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 48 07.44	94 22 46.65	2,270
Raymore, 4.2 mi. E. of, near center sec. 17, T. 46 N., R. 31 W., 301 ft. N. and 36 ft. W. from State Highway 35 at crossing of proposed Belton-Pleasant Hill rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet- Fence on line between secs. 15 and 16, T. 46 N., R. 31 W. -----	38 48 10.48	94 22 24.88	1,750
T. 46 N., R. 31 W., center sec. 15, stone -----	38 47 55.4	94 20 43.4	8,180
E.-W. rd. at line between secs. 14 and 15, T. 46 N., R. 31 W. -----	38 48 01.7	94 20 09.8	2,735
T. 46 N., R. 31 W., center sec. 14, rd. corner from N.-E. -----	38 47 58.1	94 19 36.4	2,670
T. 46 N., R. 31 W., quarter cor. between secs. 13 and 14 -----	38 47 58.9	94 19 03.6	2,601
T. 46 N., R. 31 W., in E $\frac{1}{2}$ sec. 13, $\frac{9}{16}$ ft. N. of Belton-Pleasant Hill rd., in private lane near yard of L. S. Emerson, 5 ft. W. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 47 58.3	94 18 29.1	2,729
Center of Chicago, Rock Island & Pacific Ry. tracks -----	38 47 53.38	94 17 48.13	3,290
T. 46 N., R. 30 W., center sec. 18, crossroads -- Pleasant Hill, intersection of Myrtle and North Taylor Streets -----	38 47 52.1	94 17 06.0	3,340
Pleasant Hill, at SE. corner of Randolph and Cedar Streets, on parking lot, $\frac{1}{4}$ ft. E. of Randolph Street curb, $\frac{1}{4}$ ft. S. of Cedar Street curb, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 47 47.1	94 16 45.5	1,695
Pleasant Hill, in E. part of, at curve in State Highway 7 from E.-N., 5 ft. W. of intersection of S. edge of E.-W. pavement and W. edge of N.-S. pavement produced, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 47 19.9	94 16 18.0	3,508
Intersection of State Highway 7 and High Street -	38 47 10.55	94 16 04.65	1,420
	38 47 09.73	94 15 43.56	1,670
	38 47 28.0	94 15 42.3	1,860

(Continued in Lonejack quadrangle; see line 12.)

13. FROM SEC. 13, T. 46 N., R. 32 W., NORTH ALONG JACKSON COUNTY HIGHWAY 10-E  
TO SEC. 31, T. 47 N., R. 31 W. (by W. A. Wheeler in 1934)

U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 48 10.13	94 24 15.30	.....
T. 46 N., Rs. 31 and 32 W., cor. secs. 7, 12, 13, and 18, junction of rd. E. -----	38 48 36.3	94 24 03.0	2,820
T. 46 N., Rs. 31 and 32 W., quarter cor. between secs. 7 and 12 -----	38 49 01.6	94 24 01.7	2,560
T. 46 N., R. 31 W., W. cor. secs. 6 and 7, junction of rd. E., 95 ft. N. and 5 ft. E. from junction of rd. W. at cor. secs. 1 and 12, T. 46 N., R. 32 W. -----	38 49 28.7	94 24 00.2	2,750
T. 46 N., R. 31 W., W. quarter cor. sec. 6 ---- Tps. 46 and 47 N., Rs. 31 and 32 W., cor. of, $\frac{3}{4}$ ft. S. and 27 ft. E. from stone on Cass- Jackson county line, in concrete post; U.S.C. & G.S. and State Survey standard tablet- T. 47 N., Rs. 31 and 32 W., quarter cor. between secs. 31 and 36 -----	38 49 54.6	94 23 58.7	2,630
T. 47 N., Rs. 31 and 32 W., cor. secs. 25, 30, 31, and 36, highway intersection (previously described) -----	38 50 19.33	94 23 56.69	2,500
T. 47 N., Rs. 31 and 32 W., quarter cor. between secs. 25 and 30, highway at hedge fences E. and W. (previously described) -----	38 50 45.7	94 23 55.6	2,670
T. 47 N., Rs. 31 and 32 W., quarter cor. between secs. 25 and 30, highway at hedge fences E. and W. (previously described) -----	38 51 11.9	94 23 54.1	2,650
T T 18 T 1933 (previously described) -----	38 51 38.0	94 23 52.6	2,650
	38 52 04.25	94 23 50.31	2,660

14. FROM SEC. 17, T. 46 N., R. 31 W., SOUTH ALONG STATE HIGHWAY 35 TO  
SEC. 5, T. 45 N., R. 31 W. (by W. A. Wheeler in 1934)

U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 48 10.48	94 22 24.88	.....
Center of culvert -----	38 47 44.6	94 22 25.9	2,620
T. 46 N., R. 31 W., center sec. 20 -----	38 47 14.6	94 22 27.3	3,040
Highway at line between secs. 20 and 29, T. 46 N., R. 31 W. -----	38 46 48.3	94 22 28.5	2,655
T. 46 N., R. 31 W., center sec. 29, junction of rd. W. -----	38 46 28.2	94 22 29.7	2,650

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Highway at line between secs. 29 and 32, T. 46 N., R. 31 W. -----	38 45 55.8	94 22 31.0	2,670
T. 46 N., R. 31 W., center sec. 32 -----	38 45 29.5	94 22 32.1	2,660
U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 45 02.78	94 22 32.67	2,700

15. FROM SEC. 32, T. 46 N., R. 32 W., SOUTH ALONG U.S. HIGHWAY 71 INTO  
HARRISONVILLE QUADRANGLE AT SEC. 5, T. 45 N., R. 32 W.  
(by S. T. Tudor in 1934)

U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 46 08.12	94 29 28.92	.....
Center of bridge -----	38 45 33.5	94 29 09.1	3,840
E.-W. rd., 20 ft. E. of highway -----	38 45 13.4	94 28 55.5	2,300

(Continued in Harrisonville quadrangle; see line 2.)

16. FROM LEES SUMMIT EAST ALONG U.S. HIGHWAY 50 INTO LONEJACK QUADRANGLE  
(fourth-order traverse by State Highway Department in 1934)

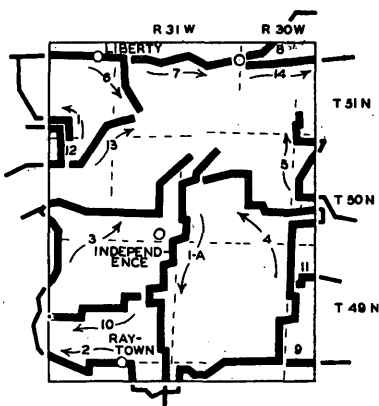
Junction of U.S. Highway 50 and State Highway 35 (previously described) -----	38 54 12.2	94 22 33.0	.....
Highway at Missouri Pacific R.R. underpass -----	38 54 11.9	94 22 23.0	795
Junction of rd. NW. to Lees Summit -----	38 54 11.5	94 22 09.8	1,040
Crossroad -----	38 54 10.7	94 21 46.2	1,870
Highway at hedge fences N. and S. on line between secs. 8 and 9, T. 47 N., R. 31 W. -----	38 54 10.2	94 21 29.4	1,320
Junction of private rd. N. -----	38 54 09.2	94 20 51.9	2,970
Crossroad -----	38 54 08.4	94 20 22.4	2,330
Highway at fences N. and S. on line through center sec. 10, T. 47 N., R. 31 W. -----	38 54 07.3	94 19 49.2	2,630
Highway at hedge fences N. and S. on line between secs. 10 and 11, T. 47 N., R. 31 W. -----	38 54 06.3	94 19 15.8	2,645
Highway at hedge fences N. and S. on line through center sec. 11, T. 47 N., R. 31 W. -----	38 54 05.2	94 18 42.3	2,650
Junction of rd. S. on line between secs. 11 and 12, T. 47 N., R. 31 W. -----	38 54 04.2	94 18 08.9	2,640
Junction of Jackson County Highway 15-E north ---	38 54 03.0	94 17 52.2	1,320
Junction of rd. N. -----	38 53 50.8	94 17 35.8	1,790
T. 47 N., R. 30 and 31 W., cor. secs. 7, 12, 13, and 18, crossroad -----	38 53 35.1	94 17 03.2	3,030
Highway at fences N. and S. near quarter cor. between secs. 7 and 18, T. 47 N., R. 30 W. ----	38 53 34.8	94 16 25.2	3,000
T. 47 N., R. 30 W., cor. secs. 7, 8, 17, and 18, intersection of State Highway 7 -----	38 53 34.7	94 15 52.0	2,630
T. 47 N., R. 30 W., quarter cor. between secs. 8 and 17, crossroad -----	38 53 34.6	94 15 18.8	2,625

(Continued in Lonejack quadrangle; see line 14.)

Magnetic declination 8° 18' E.

INDEPENDENCE NO. 3 QUADRANGLE  
(Latitude 39°00'-39°15'; longitude 94°15'-94°30')

Clay and Jackson Counties



1. FROM SEC. 4, T. 50 N., R. 32 W., NORTH AND WEST INTO ARMOURDALE QUADRANGLE AT SEC. 33, T. 51 N., R. 32 W. (by J. R. Ellis in 1911)

Station	Latitude	Longitude	Distance
Buster triangulation sta. of M.R.C. -----*	39 10 26.62	94 29 37.64	Feet
Tps. 50 and 51 N., R. 32 W., cor. secs. 3, 4, 33, and 34, crossroads (location also given in line 12) -----	39 10 50.1	94 29 36.4	2,373

(Continued in Armourdale quadrangle; see line 2.)

- I-A. FROM SEC. 8, T. 50 N., R. 31 W., SOUTH INTO HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 6, T. 48 N., R. 31 W. (by W. R. Broadus in 1932)

Flue Mills triangulation sta. of U.S.C.E.; iron post -----	39 10 05.90	94 20 59.41	.....
Rd. at point in line with fence S. -----	39 09 26.1	94 21 51.5	4,757
Center of ford across creek -----	39 09 11.8	94 21 53.9	2,274
Crossroads on E.-W. line through center sec. 18, T. 50 N., R. 31 W. -----	39 09 00.8	94 22 02.4	1,299
T. 50 N., R. 31 W., approximate quarter cor. between secs. 19 and 20, rd. corner -----	39 06 08.1	94 21 49.9	5,422
T-rd. E. -----	39 07 54.7	94 21 50.7	1,360
T. 50 N., R. 31 W., cor. secs. 19, 20, 29, and 30, 33 ft. N. and 47 ft. W. from T-rd. N., 12 ft. SW. of fence corner, in concrete post; standard tablet stamped "T T 241 B 1932" -----	39 07 42.32	94 21 52.07	1,254
T-rd. S. -----	39 07 41.2	94 22 16.4	1,926
U.S. Highway 24 at crossroad -----	39 07 10.5	94 22 26.4	3,202
U.S. Highway 24 at crossroad -----	39 06 27.2	94 23 30.8	6,696
T. 50 N., Rs. 31 and 32 W., quarter cor. between secs. 31 and 36, 34 ft. S. and 17 ft. E. from T-rd. S., in concrete post; standard tablet stamped "T T 242 B 1932" -----	39 06 25.58	94 23 03.11	2,186
T-rd. W. -----	39 06 06.4	94 23 04.3	1,937
Tps. 49 and 50 N., Rs. 31 and 32 W., cor. of, T-rd. W. at fence E. -----	39 06 00.0	94 23 04.7	658
T-rd. W. -----	39 05 53.7	94 23 05.1	631
Spring Branch Road at rd. N. -----	39 05 28.5	94 22 49.4	2,840
Spring Creek Road at rd. S. -----	39 05 34.0	94 23 22.7	2,689
Missouri Pacific R.R. at rd. crossing -----	39 05 17.5	94 23 23.5	1,665
T-rd. W. -----	39 05 02.5	94 23 24.7	1,519
T. 49 N., R. 32 W., E. sixteenth cor. sec. 12, 29 ft. N. and 32 ft. E. from Jackson County Highway 1-N at Kiger Road, in concrete post; standard tablet stamped "T T 243 B 1932" -----	39 04 42.28	94 23 24.97	2,050
T. 49 N., R. 32 W., E. sixteenth cor. between secs. 12 and 13, rd. at fences E. and W. -----	39 04 15.6	94 23 26.6	2,700
Center of bridge -----	39 05 41.0	94 23 28.2	3,499
Center of Alton R.R. at underpass -----	39 05 19.3	94 23 11.9	2,543
T. 49 N., R. 32 W., E. quarter cor. sec. 24, T-rd. W. -----	39 02 56.5	94 23 13.3	2,318
T-rd. E. -----	39 02 29.9	94 23 14.4	2,691

\*Missouri River Commission.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 49 N., Rs. 31 and 32 W., quarter cor. between secs. 25 and 30, 45 ft. S. and 20 ft. E. from U.S. Highway 40 and Jackson County Highway 10-E (Lees Summit Road), in concrete post; standard tablet stamped "T T 244 B 1932"* -----	39 02 03.32	94 23 15.78	2,690
Little Blue River, center of bridge over -----	39 01 13.7	94 23 18.9	5,025
Rd. forks -----	39 01 04.0	94 23 17.9	983
T-rd. E. -----	39 00 58.2	94 23 10.2	846

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

2. FROM HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 3, T. 48 N., R. 32 W.,  
NORTH AND WEST TO SEC. 6, T. 48 N., R. 32 W., THENCE NORTHWEST  
ALONG U.S. HIGHWAY 50 INTO ARMOURDALE QUADRANGLE (by W. R. Broadus  
in 1932)

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

T-rd. E. on line between secs. 3 and 10, T. 48 N., R. 32 W. -----	39 00 02.1	94 26 39.0	(2,817)
T. 48 N., R. 32 W., quarter cor. between secs. 3 and 4, T-rd. W. -----	39 00 28.6	94 26 40.7	2,691
T-rd. S. -----	39 00 30.8	94 27 26.7	3,635
Crossroads -----	39 00 31.5	94 27 41.8	1,189
Raytown, crossroads at -----	39 00 31.5	94 27 46.2	349
T-rd. S. -----	39 00 30.9	94 28 14.9	2,271
T. 48 N., R. 32 W., cor. secs. 5, 6, 7, and 8, 126 ft. N. and 31 ft. E. from intersection of Blue Ridge Boulevard and 67th Street, in concrete post; standard tablet stamped "T T 23 T 1933"* -----	39 00 10.03	94 28 54.95	3,801
T. 48 N., R. 32 W., quarter cor. between secs. 6 and 7, intersection of James A. Reed Road and 67th Street -----	39 00 09.8	94 29 28.8	2,662
T. 48 N., R. 32 W., center sec. 6, crossroads ---	39 00 35.8	94 29 27.6	2,632
Crossroad at top of hill -----	39 01 11.5	94 29 55.3	4,142

(Continued in Armourdale quadrangle; see line 5.)

3. FROM ARMOURDALE QUADRANGLE NORTHEAST ALONG MISSOURI PACIFIC RAILROAD  
BY WAY OF CENTROPOLIS TO INDEPENDENCE, THENCE NORTHEAST ALONG ROADS  
TO SEC. 14, T. 50 N., R. 32 W. (by W. R. Broadus in 1932)

(Continued from Armourdale quadrangle; see line 5.)

Center of E. track of R.R. at semaphore 2612 ---	39 04 44.9	94 29 38.6	(4,301)
R.P. at Twenty-second Street crossing -----	39 05 02.1	94 29 39.6	1,742
Rig Blue River, center of R.R. bridge over -----	39 05 14.4	94 29 43.0	1,280
E. track of R.R. at street crossing -----	39 05 23.4	94 29 45.5	930
Centropolis, 22 ft. E. of E. track of Missouri Pacific R.R., 62 ft. S. of Fifteenth Street, 15 ft. S. of S. edge of sidewalk, in concrete post; standard tablet stamped "T T 250 B 1932" -----	39 05 36.08	94 29 48.58	1,303
E. track of main line of R.R. at Twelfth Street crossing -----	39 05 49.8	94 29 52.6	1,427
R.R. at Independence Avenue crossing -----	39 06 16.4	94 29 59.7	2,740

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

Intersection of Alton R.R. -----	39 07 01.0	94 29 57.6	(2,546)
U.S.C.E. B.M. designated "PBM 227" -----	39 07 03.33	94 29 31.86	2,046
Point midway between two tracks of R.R. under- neath centerline of Atchison, Topeka & Santa Fe Ry. bridge -----	39 06 48.4	94 28 45.4	3,959
R.R. at N.-S. street crossing -----	39 06 29.0	94 27 48.2	4,922
Intersection of Kentucky and Evanston Avenues -----	39 06 36.9	94 27 43.4	888
Intersection of Kentucky Avenue and street (?) -----	39 06 35.8	94 27 10.4	2,600
Intersection of Kentucky and Sterling Avenues -----	39 06 34.8	94 26 40.9	2,330
Intersection of Sterling Avenue and Gill Street -----	39 06 51.1	94 26 40.1	1,645
T-rd. S. -----	39 06 43.8	94 26 06.9	2,720
T. 50 N., R. 32 W., center of NE 1/4 sec. 34, 42 ft. N. and 41 ft. W. from Jackson County Highway 7-E at rd. W. to Sugar Creek, in concrete post; standard tablet stamped "T T 251 B 1932" -----	39 06 45.96	94 25 33.41	2,646
T-rd. E. on line between secs. 27 and 34, -----			
T. 50 N., R. 32 W. -----	39 06 58.3	94 25 28.4	1,309
Crossroads -----	39 07 48.9	94 25 32.8	5,132
T. 50 N., R. 32 W., approximate quarter cor. between secs. 22 and 23, rd. at fences E. and W. -----	39 08 16.0	94 25 11.0	3,227
Wayne triangulation sta. of U.S.C.E.; iron post -	39 09 01.38	94 24 30.75	5,583

\*In April 1936 it was reported by C. L. Sadler that this tablet was destroyed.

\*\*In 1933 it was reported by G. N. Tex that this tablet was set to replace tablet stamped "T T 247 B 1932" which was reported destroyed.



Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet

4. FROM HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 6, T. 48 N., R. 31 W., EAST, NORTH, AND WEST ALONG HIGHWAYS AND ROADS TO SEC. 20, T. 50 N., R. 31 W. (by W. R. Broadus in 1932)  
(Continued from Harrisonville No. 2 quadrangle; see line 2.)

T. 48 N., R. 31 W., quarter cor. between secs. 5 and 6, stone, 10 ft. W. of T-rd. E. -----	39 00 16.8	94 22 13.5	(1,781)
T. 48 N., R. 31 W., E. sixteenth cor. sec. 5, crossroads -----	39 00 15.6	94 21 23.2	3,977
T. 48 N., R. 31 W., in SW 1/4 sec. 4, 16 ft. S. and 16 ft. W. from rd. corner, in concrete post; standard tablet stamped "T 252 B 1932" -	39 00 01.67	94 20 54.45	2,670
East Little Blue River, center of bridge over ---	39 00 13.5	94 20 05.1	4,076
Center of culvert -----	39 00 24.0	94 19 33.8	2,689
T. 48 N., R. 31 W., E. sixteenth cor. on N. line sec. 3, rd. corner from E.-S. -----	39 00 36.2	94 19 05.3	2,566
Tps. 48 and 49 N., R. 31 W., W. sixteenth cor. between secs. 2 and 35, 33 ft. N. and 48 ft. W. from U.S. Highway 40 at Jackson County Highway 14-E, in concrete post; standard tablet stamped "T 253 B 1932" -----	39 00 37.33	94 18 34.83	2,405
T. 48 N., R. 31 W., N. quarter cor. sec. 2, U.S. Highway 40 at rd. S. -----	39 00 36.5	94 18 17.6	1,363
Tps. 48 and 49 N., R. 31 W., approximate cor. secs. 1, 2, 35, and 36, U.S. Highway 40 at fences N. and S. -----	39 00 35.5	94 17 44.4	2,620
U.S. Highway 40 at rd. N. -----	39 00 34.2	94 16 53.9	3,990
Tps. 48 and 49 N., Rs. 30 and 31 W., cor. of, U.S. Highway 40 at crossroad -----	39 00 33.8	94 16 37.1	1,330
U.S. Highway 40 at intersection of State Highway 7 (Jackson County Highway 16-E) -	39 00 33.3	94 16 20.5	1,310
Tps. 48 and 49 N., R. 30 W., cor. secs. 5, 6, 31, and 32, 38 ft. S. and 15 ft. W. from U.S. Highway 40 at rd. N., in concrete post; standard tablet stamped "T 254 B 1932" -----	39 00 31.20	94 15 31.39	3,881
T-rd. W. -----	39 00 44.6	94 15 30.6	1,357
T. 49 N., R. 30 W., cor. secs. 29, 30, 31, and 32, junction of Jackson County Highway 2-S and R D Mize Road -----	39 01 23.8	94 15 28.1	3,971
T. 49 N., R. 30 W., W. sixteenth cor. between secs. 20 and 29, Owens Schoolhouse Road at crossroad -----	39 02 15.2	94 15 09.4	5,402
T. 49 N., R. 30 W., W. sixteenth cor. sec. 20, Owens Schoolhouse Road at rd. S. -----	39 02 41.3	94 15 08.5	2,650
T. 49 N., R. 30 W., quarter cor. between secs. 19 and 20, Owens Schoolhouse Road from W.-N. -----	39 02 42.0	94 15 25.1	1,308
T. 49 N., R. 30 W., cor. secs. 17, 18, 19, and 20, 25 ft. N. and 26 ft. E. from crossroads, in concrete post; standard tablet stamped "T 255 B 1932" -----	39 03 08.34	94 15 23.40	2,668
T. 49 N., R. 30 W., cor. secs. 7, 8, 17, and 18, Owens Schoolhouse Road at rd. E. -----	39 04 00.1	94 15 21.7	5,241
Owens Schoolhouse Road at rd. SW. -----	39 04 28.4	94 15 20.6	2,861
T. 49 N., R. 30 W., cor. secs. 5, 6, 7, and 8, Owens Schoolhouse Road at crossroad -----	39 04 52.1	94 15 20.0	2,398
T. 49 N., R. 30 W., quarter cor. between secs. 5 and 6, 20 ft. N. and 26 ft. E. from crossroads, in concrete post; standard tablet stamped "T 256 B 1932" -----	39 05 18.52	94 15 18.93	2,679
T. 49 N., R. 30 W., N. sixteenth cor. between secs. 5 and 6, Owens Schoolhouse Road at rd. E. -----	39 05 31.6	94 15 18.9	1,323
Owens Schoolhouse Road on line between secs. 5 and 6, T. 49 N., R. 30 W. -----	39 05 43.4	94 15 18.7	1,190
Owens Schoolhouse Road at fence -----	39 05 45.9	94 15 19.0	260
Owens Schoolhouse Road on line between secs. 31 and 32, T. 50 N., R. 30 W. -----	39 05 50.3	94 15 19.3	440
Owens Schoolhouse Road at rd. W. -----	39 06 12.1	94 15 18.5	2,211
T. 50 N., R. 30 W., probable cor. secs. 29, 30, 31, and 32, Owens Schoolhouse Road at rd. S. ---	39 06 38.3	94 15 17.6	2,650
Rd. forks on N. side of Missouri Pacific R.R. tracks -----	39 06 41.6	94 15 00.7	1,378

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

T. 50 N., R. 30 W., N. sixteenth cor. sec. 30, crossroads -----	39 07 18.5	94 15 49.4	(3,925)
T-rd. N. near N. sixteenth cor. between secs. 25 and 30, T. 50 N., Rs. 30 and 31 W. -----	39 07 19.4	94 16 24.5	2,770
T. 50 N., R. 30 W., center sec. 25, intersection of State Highway 7 (Jackson County Highway 16-E) -----	39 07 06.9	94 16 51.4	2,475
Missouri Pacific R.R. at rd. crossing -----	39 07 07.8	94 17 36.7	3,371

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
T. 50 N., R. 31 W., W. sixteenth cor. sec. 26, 21 ft. S. and 17 ft. E. from T-rd. N., in concrete post; standard tablet stamped "T T 258 B 1932" -----	39 07 08.51	94 18 14.87	3,013
Missouri Pacific R.R. at rd. crossing -----	39 07 55.0	94 18 13.8	2,684
T-rd. W. -----	39 08 02.0	94 18 12.7	2,731
U.S. Highway 24 at rd. S. -----	39 08 04.2	94 18 12.4	221
U.S. Highway 24 bridge over Missouri Pacific R.R. T. 50 N., R. 31 W., E. sixteenth cor. sec. 21, 47 ft. S. and 28 ft. E. from U.S. Highway 24 at rd. S., in concrete post; standard tablet stamped "T T 259 B 1932" -----	39 08 04.65	94 19 52.77	4,139
U.S. Highway 24 at rd. NE. -----	39 08 01.6	94 20 24.9	2,535
U.S. Highway 24 at rd. S. -----	39 07 40.6	94 21 22.7	5,163
T T 241 B 1932 (previously described) -----	39 07 42.32	94 21 52.07	2,321

5. FROM ORRICK QUADRANGLE AT SEC. 17, T. 50 N., R. 30 W., NORTH TO  
SEC. 30, T. 51 N., R. 30 W. (by W. R. Broadus in 1932)  
(Continued from Orrick quadrangle; see line 3.)

Center of rd. -----	39 08 35.7	94 15 10.2	(1,646)
T-rd. N. -----	39 09 14.6	94 15 04.0	3,969
T-rd. S. -----	39 09 40.7	94 15 01.2	2,645
T. 50 N., R. 30 W., in NW 1/4 SE 1/4 sec. 7, 19 ft. S. and 29 ft. E. from T-rd. S., in concrete post; standard tablet stamped "T T 268 B 1932" -----	39 09 41.44	94 15 28.93	2,184
Jackson County Highway 8-N (Blue Mills Road) at rd. S. -----	39 09 52.6	94 15 33.8	1,193
T. 50 N., R. 30 W., approximate cor. secs. 5, 6, 7, and 8 -----	39 10 07.0	94 15 01.4	2,935
Center of bridge -----	39 10 25.3	94 15 01.8	1,645

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

Center of bridge -----	39 11 00.2	94 15 43.5	(3,698)
T. 51 N., R. 30 W., W. sixteenth cor. sec. 31, iron pin at crossroads -----	39 11 26.1	94 15 45.1	2,624
T-rd. E. -----	39 11 48.5	94 15 43.4	2,269
T. 51 N., R. 30 W., quarter cor. between secs. 30 and 31, stone on bank W. of rd. corner -----	39 11 51.3	94 15 26.5	1,360
Little Blue triangulation sta. of U.S.C.E. -----	39 12 05.53	94 15 24.65	1,451

6. FROM ARMOURDALE QUADRANGLE AT SEC. 9, T. 51 N., R. 32 W., EAST BY WAY  
OF LIBERTY TO SEC. 11, T. 51 N., R. 31 W., THENCE SOUTH TO SEC. 26,  
T. 51 N., R. 31 W. (by W. R. Broadus in 1932)  
(Continued from Armourdale quadrangle; see line 4.)

Center of bridge -----	39 14 43.6	94 29 50.3	(3,900)
T. 51 N., R. 32 W., center sec. 11, 50 ft. S. and 40 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 274 B 1932" -----	39 14 41.52	94 27 54.68	9,104
T. 51 N., R. 32 W., quarter cor. between secs. 11 and 12, rd. at fence N. -----	39 14 41.6	94 27 21.3	2,626
Center of bridge -----	39 14 41.2	94 26 32.0	3,879
Intersection of Ridge Avenue and Kansas City Street -----	39 14 45.4	94 25 53.8	3,039
Intersection of Gallatin and Kansas City Streets- Liberty, in E. part of, 35 ft. N. and 3 ft. W. from Chicago, Burlington & Quincy R.R. at crossing of Mills Street, 7 ft. N. of sidewalk, in concrete post; standard tablet stamped "T T 275 B 1932" -----	39 14 45.9	94 25 15.8	2,995
Liberty, intersection of Richfield and Suddarth Streets -----	39 14 41.25	94 24 36.79	3,106
T-rd. N. -----	39 14 37.0	94 24 32.0	571
T-rd. S. -----	39 14 37.8	94 23 52.8	3,086
Center of bridge -----	39 14 39.9	94 23 08.9	3,468
T. 51 N., R. 31 W., quarter cor. between secs. 9 and 10 T-rd. S. -----	39 14 41.3	94 22 47.5	1,686
T-rd. S. -----	39 14 41.4	94 21 57.2	3,955
T. 51 N., R. 31 W., W. sixteenth cor. sec. 11, 37 ft. N. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 276 B 1932" -----	39 14 41.63	94 21 22.05	2,770
T. 51 N., R. 31 W., center of NW 1/4 sec. 14, rd. at fence E. -----	39 14 02.0	94 21 22.3	4,008
Center of culvert -----	39 13 28.5	94 21 22.9	3,390
T. 51 N., R. 31 W., center of NW 1/4 sec. 23, rd. at fence, S. of T-rd. E. -----	39 13 16.2	94 21 22.7	1,250
SW. corner of Nebo School -----	39 12 58.3	94 21 25.8	1,825
St. Bernard triangulation sta. of U.S.C.E. -----	39 12 22.18	94 21 06.53	3,956

Station	Latitude	Longitude	Distance
	" " "	" " "	Feet
7. FROM SEC. 11, T. 51 N., R. 31 W., EAST TO MISSOURI CITY (by W. R. Broadus in 1932)			
T T 276 B 1932 (previously described) -----	39 14 41.63	94 21 22.05	.....
Rd. at fences N. and S. on N.-S. line through			
center sec. 12, T. 51 N., R. 31 W. -----	39 14 21.4	94 19 58.5	6,890
Center of bridge -----	39 14 22.2	94 19 52.8	454
T. 51 N., R. 30 W., in NW 1/4 SW 1/4 sec. 7,			
52 ft. S. and 90 ft. W. from rd. forks, 3 ft.			
E. of fence corner, in concrete post; standard			
tablet stamped "T T 277 B 1932" -----	39 14 31.13	94 19 17.93	2,887
Center of bridge -----	39 14 02.8	94 18 37.5	4,280
Crossroads -----	39 14 15.0	94 17 50.3	3,918
U.S.C.E. B.M. designated "BM 69/3" -----	39 14 20.85	94 17 31.26	1,606
Missouri City triangulation sta. of U.S.C.E.;			
iron post -----	39 14 24.71	94 17 37.35	618
8. FROM MISSOURI CITY NORTH INTO KEARNEY QUADRANGLE AT SEC. 9, T. 51 N., R. 30 W. (by W. R. Broadus in 1932)			
U.S.C.E. B.M. designated "BM 69/3 (previously			
described) -----	39 14 20.85	94 17 31.26	.....
Rd. forks -----	39 14 53.7	94 17 09.7	3,731
(Continued in Kearney quadrangle; see line 2.)			
9. FROM SEC. 5, T. 48 N., R. 30 W., EAST ALONG U.S. HIGHWAY 40 INTO ORRICK QUADRANGLE (by W. R. Broadus in 1932)			
T T 254 B 1932 (previously described) -----	39 00 31.20	94 15 31.39	.....
Junction of rd. S. -----	39 00 30.9	94 15 13.4	1,419
(Continued in Orrick quadrangle; see line 2.)			
10. FROM SEC. 12, T. 49 N., R. 32 W., SOUTHWEST ALONG HIGHWAYS AND ROADS BY WAY OF INDEPENDENCE INTO ARMOURDALE QUADRANGLE AT SEC. 24, T. 49 N., R. 33 W. (by G. N. Tex in 1933)			
T T 243 B 1932 (previously described) -----	39 04 42.28	94 23 24.97	.....
T. 49 N., R. 32 W., approximate quarter cor.			
between secs. 11 and 12, Jackson County			
Highway 1-N at rd. N. -----	39 04 43.6	94 24 15.6	4,000
T. 49 N., R. 32 W., center sec. 11, intersection			
of S. Noland Street and E. Alton Street -----	39 04 44.9	94 24 49.1	2,645
T. 49 N., R. 32 W., quarter cor. between secs. 11			
and 14, iron pin in Jackson County Highway 8-E			
at rd. E. -----	39 04 18.6	94 24 50.0	2,670
Center of Jackson County Highway 8-E bridge over			
Alton R.R. -----	39 03 54.1	94 24 51.8	2,480
T. 49 N., R. 32 W., quarter cor. between secs. 14			
and 23, 40 ft. N. and 82 ft. W. from iron pin,			
26 ft. N. and 40 ft. W. from crossroads, about			
150 ft. E. of Missouri Pacific R.R. at rd.			
crossing, in concrete post, standard tablet			
stamped "T T 14 T 1933" -----	39 03 26.66	94 24 53.13	2,780
T. 49 N., R. 32 W., approximate cor. secs. 14,			
15, 22, and 23, rd. at fence S. -----	39 03 27.6	94 25 25.5	2,545
Whitte water tank -----	39 03 06.0	94 25 39.5	2,450
T. 49 N., R. 32 W., approximate quarter cor.			
between secs. 15 and 12, crossroads -----	39 03 28.7	94 25 58.8	2,750
T. 49 N., R. 32 W., approximate cor. secs. 15,			
16, 21, and 22, rd. at fence N. just E. of			
dwelling -----	39 03 30.1	94 26 32.0	2,625
Crossroads -----	39 03 30.7	94 26 48.8	1,325
Intersection of Blue Ridge Boulevard and			
35th Street -----	39 03 32.5	94 27 29.3	3,200
T. 49 N., R. 32 W., cor. secs. 16, 17, 20, and			
21, iron pin at T-rd. S. -----	39 03 33.0	94 27 39.0	770
T. 49 N., R. 32 W., near E. sixteenth cor.			
between secs. 17 and 20, 73 ft. N. of NW cor-			
ner of Pitcher School, 31 ft. S. and 10 ft. E.			
from junction of private rd. to school, in			
concrete post; standard tablet stamped			
"T T 15 T 1933" -----	39 03 33.39	94 27 54.61	1,240
Junction of U.S. Highway 40 and Jackson County			
Highway 4-E -----	39 03 35.4	94 28 19.1	1,940
Rd. at fences N. and S. on line between secs. 19			
and 20, T. 49 N., R. 32 W. -----	39 03 23.2	94 28 46.6	2,490
T-rd. N. at filling sta. -----	39 03 18.6	94 29 19.8	2,660
T T 249 B 1932 (In Armourdale quadrangle; see			
line 5.) -----	39 03 31.95	94 30 07.63	4,010

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
11. FROM SEC. 17, T. 49 N., R. 30 W., NORTH AND EAST INTO ORRICK QUADRANGLE AT SEC. 8, T. 49 N., R. 30 W. (by C.W.A. field party in 1934)			
T T 255 B 1932 (previously described) -----	39 03 08.34	94 15 23.40	.....
T. 49 N., R. 30 W., approximate quarter cor. between secs. 17 and 18 -----	39 03 34.1	94 15 22.8	2,610
T. 49 N., R. 30 W., approximate cor. sec. 7, 8, 17, and 18 -----	39 04 00.1	94 15 21.7	2,630
(Continued in Orrick quadrangle; see line 8.)			

12. FROM ARMOURDALE QUADRANGLE AT SEC. 33, T. 51 N., R. 32 W., SOUTH INTO ARMOURDALE QUADRANGLE AT SEC. 9, T. 50 N., R. 32 W. (by S. T. Tudor in 1935)			
(Continued from Armourdale quadrangle; see line 14.)			
Tps. 50 and 51 N., R. 32 W., approximate cor. secs. 3, 4, 33, and 34, crossroads -----	39 10 50.1	94 29 36.4	(2,608)
Buster triangulation sta. of M.R.C. -----	39 10 26.62	94 29 37.64	2,374
T. 50 N., R. 32 W., approximate cor. secs. 3, 4, 9, and 10, rd. at fence E. -----	39 09 58.8	94 29 37.1	2,818
T-rd. E. -----	39 09 31.8	94 29 42.3	2,756
T-rd. W. -----	39 09 17.9	94 29 42.6	1,410
(Continued in Armourdale quadrangle; see line 15.)			

13. FROM SEC. 9, T. 50 N., R. 32 W., EAST TO SEC. 10, T. 50 N., R. 32 W., THENCE NORTHEAST ALONG WABASH RAILWAY TO SEC. 26, T. 51 N., R. 31 W. (by S. T. Tudor in 1935)			
T-rd. W. (previously described) -----	39 09 17.9	94 29 42.6	.....
T. 50 N., R. 32 W., approximate cor. secs. 10, 11, 14, and 15, T-rd. W. -----	39 09 21.6	94 28 37.2	5,162
Rd. on curve at fence S. -----	39 09 36.0	94 27 58.4	3,383
Birmingham, 45 ft. N. and 70 ft. E. from T-rd. E., 80 ft. S. and 10 ft. E. from SE. corner of R.R. switch tower, in concrete post; standard tablet stamped "T T 1526 E R A 1935" -----	39 10 06.35	94 27 13.83	4,669
S. track of R.R. at crossover -----	39 10 28.6	94 26 42.9	3,310
R.R. at crossover -----	39 10 55.6	94 26 06.8	3,950
R.R. at point in line with levee -----	39 11 24.3	94 25 29.5	4,124
South Liberty triangulation sta. of U.S.C.E. -----	39 11 52.64	94 23 57.38	8,095
South Liberty, R.R. at sta. -----	39 12 04.1	94 23 14.0	3,307
Main track of R.R. at fence N. -----	39 12 05.8	94 22 47.1	2,131
R.R. at fence S. -----	39 12 09.7	94 21 48.2	4,650
R.R. at rd. crossing -----	39 12 11.4	94 21 22.5	2,030
St. Bernard triangulation sta. of U.S.C.E. (previously described) -----	39 12 22.18	94 21 06.53	1,662

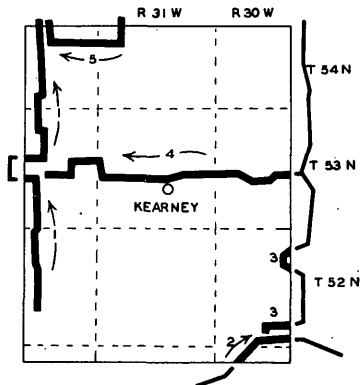
14. FROM MISSOURI CITY EAST INTO ORRICK QUADRANGLE AT SEC. 10, T. 51 N., R. 30 W. (by S. T. Tudor in 1935)			
U.S.C.E. B.M. designated "PBM 69/3" (previously described) -----	39 14 20.85	94 17 31.26	.....
Wabash Ry. at fence N. -----	39 14 19.5	94 16 52.6	3,043
Wabash Ry. at rd. N. near cor. secs. 9, 10, 15, and 16, T. 51 N., R. 30 W. -----	39 14 18.9	94 16 05.5	3,704
Wabash Ry. at rd. N. -----	39 14 17.8	94 15 31.8	2,659
(Continued in Orrick quadrangle; see line 9.)			

TIE BETWEEN U.S.C. & G.S. TRIANGULATION STATION AND U.S.G.S. THIRD-ORDER LINE AT LIBERTY (not shown on diagram; by T. A. Magee in 1935)			
Liberty triangulation sta. of U.S.C.E. -----	39 14 56.22	94 24 44.90	.....
T T 275 B 1932 (previously described) -----	39 14 41.25	94 24 36.79	1,646
Magnetic declination 8° 10' E.			

\*Missouri River Commission.

KEARNEY QUADRANGLE  
(Latitude 39°15'-39°30'; longitude 94°15'-94°30')

Clay and Clinton Counties



1. FROM SEC. 21, T. 52 N., R. 32 W., NORTH TO SEC. 16, T. 54 N., R. 32 W.  
(by J. R. Ellis in 1911)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T-rd. S., 4 mi. E. of Nashua -----	39 18 11.4	94 29 59.0	.....
T. 52 N., R. 32 W., cor. secs. 15, 16, 21, and			
22, 130 ft. N. of T-rd. W. -----	39 18 37.1	94 29 30.3	3,445
T. 52 N., R. 32 W., cor. secs. 9, 10, 15, and 16-	39 19 29.3	94 29 29.8	5,277
T-rd. E. at Winner Store -----	39 19 57.1	94 29 29.7	2,820
T. 53 N., R. 32 W., cor. secs. 27, 28, 33, and			
34, T-rd. N. -----	39 22 05.3	94 29 29.5	12,966
T. 53 N., R. 32 W., E. sixteenth cor. sec. 28,			
20 ft. S. and 5 ft. E. from T-rd. N.; iron			
post stamped "Prim Trav Sta No 3 1911 Mo" ----	39 22 31.55	94 29 46.24	4,790

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

T. 53 N., R. 32 W., cor. secs. 9, 10, 15, and			
16, rd. corner -----	39 24 41.6	94 29 29.5	(5,858)
T. 53 N., R. 32 W., cor. secs. 3, 4, 9, and 10,			
T-rd. N. -----	39 25 34.0	94 29 29.2	5,302
T. 54 N., R. 32 W., S. cor. secs. 33 and 34,			
T-rd. N. -----	39 26 28.3	94 29 28.8	5,506
T. 53 N., R. 32 W., N. cor. secs. 3 and 4 -----	39 26 28.3	94 29 29.3	40
T. 54 N., R. 32 W., cor. secs. 21, 22, 27, and			
28, T-rd. E. -----	39 28 12.4	94 29 28.2	10,555
T. 54 N., R. 32 W., cor. secs. 15, 16, 21, and			
22 -----	39 29 04.4	94 29 27.6	5,265
T. 54 N., R. 32 W., cor. secs. 9, 10, 15, and 16,			
15 ft. E. of T-rd. N. -----	39 29 56.3	94 29 26.7	5,525
Mecca, 2 mi. N. and 2 mi. E. from, at NE. corner			
of farm of M. H. High, 20 ft. N. and 15 ft. E.			
from SW. corner of T-rd. W.; iron post stamped			
"Prim Trav Sta No 5 1911 Mo" (in Plattsburg			
quadrangle)* -----	39 30 09.47	94 29 27.32	1,332

2. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 9, T. 51 N., R. 30 W.,  
NORTHEAST INTO LAWSON QUADRANGLE AT SEC. 34, T. 52 N., R. 30 W.  
(by W. R. Broadus in 1932)

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

Rd. forks -----	39 15 08.3	94 17 02.6	(1,576)
Rd. forks -----	39 15 31.4	94 16 39.9	2,944
Center of bridge -----	39 15 49.3	94 16 17.0	2,553
Tps. 51 and 52 N., R. 30 W., approximate cor.			
secs. 3, 4, 33, and 34; W. gatepost in line			
with field rd. E. and fences N. and S. -----	39 15 57.9	94 16 04.7	1,301
T. 52 N., R. 30 W., in SW 1/4 sec. 34, about			
600 ft. SE. of Lunsford School, 13 ft. S. and			
26 ft. W. from rd. forks, in concrete post;			
standard tablet stamped "T T 278 B 1932" -----	39 16 18.10	94 15 49.65	2,360
Rd. forks at point in line with rds. W. and S. --	39 16 12.4	94 15 13.5	2,899

(Continued in Lawson quadrangle; see line 2.)

\*Published also in Plattsburg quadrangle (see Bull. 916-D).

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
3. FROM SEC. 34, T. 52 N., R. 30 W., EAST INTO LAWSON QUADRANGLE AT SEC. 10, T. 52 N., R. 30 W. (by W. V. Kennedy in 1934)			
T T 278 B 1932 (previously described) -----	39 16 18.10	94 15 49.65	.....
Junction of private lane W. -----	39 16 28.3	94 15 13.9	2,997
(For balance in Lawson quadrangle, see line 3.)			
Rd. corner -----	39 19 31.8	94 15 11.7	(2,020)
(Continued in Lawson quadrangle; see line 3.)			

4. FROM LAWSON QUADRANGLE AT SEC. 22, T. 53 N., R. 30 W., WEST TO SEC. 28, T. 53 N., R. 32 W. (by W. V. Kennedy in 1934)  
(Continued from Lawson quadrangle; see line 3.)

Rd. at fences N. and S. on line through center sec. 22, T. 53 N., R. 30 W. -----	39 23 08.2	94 15 28.2	(2,962)
Rd. at fences N. and S. on line between secs. 21 and 22, T. 53 N., R. 30 W. -----	39 23 02.4	94 16 01.8	2,703
Rd. at hedge fences N. and S. on line through center of E½ sec. 21, T. 53 N., R. 30 W. -----	39 23 09.6	94 16 18.6	1,508
Junction of abandoned rds. E. and W. -----	39 23 19.0	94 16 43.6	2,184
T-rd. N. on line between secs. 20 and 21, T. 53 N., R. 30 W. -----	39 23 23.1	94 17 09.5	2,080
T. 53 N., R. 30 W., center sec. 20, 90 ft. W. of T-rd. S., 2 ft. SW. of fence, in concrete post; standard tablet stamped "451 C W A 1934" -----	39 23 22.96	94 17 43.25	2,649
T. 53 N., R. 30 W., probable quarter cor. between secs. 19 and 20, rd. at fence N. -----	39 23 23.2	94 18 15.3	2,519
T-rd. N. -----	39 23 23.5	94 18 53.2	2,980
T. 53 N., R. 30 W., W. quarter cor. sec. 19, rd. at fence N., 57 ft. S. of E. quarter cor. sec. 24, T. 53 N., R. 31 W. -----	39 23 23.6	94 19 21.3	2,210
T. 53 N., R. 31 W., center sec. 24, rd. at hedge S. -----	39 23 23.6	94 19 55.7	2,689
T. 53 N., R. 31 W., W. sixteenth cor. sec. 24, T-rd. S. -----	39 23 23.4	94 20 12.8	1,340
T. 53 N., R. 31 W., E. sixteenth cor. sec. 23, rd. corner from E-S. at fence W. -----	39 23 23.4	94 20 46.9	2,680
T. 53 N., R. 31 W., near S. sixteenth cor. sec. 23, 20 ft. N. and 29 ft. W. from T-rd. N., in pasture of D. M. Hall, 2 ft. inside fence, in concrete post; standard tablet stamped "413 C W A 1934" -----	39 23 09.53	94 21 01.15	1,797
Rd. forks -----	39 23 03.2	94 21 38.4	2,990
Chicago, Burlington & Quincy R.R. at semaphore --	39 22 49.7	94 21 55.5	1,915
T. 53 N., R. 31 W., S. sixteenth cor. sec. 22, T-rd. W. -----	39 23 10.8	94 22 12.4	2,517
Rd. at fences N. and S. on line between secs. 21 and 22, T. 53 N., R. 31 W. -----	39 23 11.1	94 22 45.7	2,612
T-rd. E. -----	39 23 11.4	94 23 19.1	2,626
T. 53 N., R. 31 W., near center of SW 1/4 sec. 21, 25 ft. N. and 70 ft. E. from T-rd. N., 2 ft. S. and 20 ft. E. from fence corner, in concrete post; standard tablet stamped "417 C W A 1934" -----	39 23 12.73	94 23 35.28	1,277
Rd. at fences N. and S. on line between secs. 20 and 21, T. 53 N., R. 31 W. -----	39 23 11.4	94 23 53.2	1,417
T. 53 N., R. 31 W., S. sixteenth cor. sec. 20, rd. at fences N. and S. -----	39 23 11.3	94 24 25.0	2,495
T. 53 N., R. 31 W., S. sixteenth cor. between secs. 19 and 20, T-rd. N. -----	39 23 11.5	94 24 59.6	2,720
Rd. corner from E-N. at private rd. S. -----	39 23 11.7	94 25 46.1	3,648
Rd. at fence E. on line through center sec. 19, T. 53 N., R. 31 W. -----	39 23 24.6	94 25 45.9	1,309
T. 53 N., R. 31 W., W. quarter cor. sec. 19, rd. E. at fences N. and S., 51 ft. S. of E. quarter cor. sec. 24, T. 53 N., R. 32 W. -----	39 23 24.8	94 26 07.7	1,709
T. 53 N., R. 32 W., center sec. 24, 23 ft. N. and 52 ft. E. from crossroads, 2 ft. N. and 20 ft. E. from fence corner, in concrete post; standard tablet stamped "415 C W A 1934" -----	39 23 23.81	94 26 40.95	2,614
T. 53 N., R. 32 W., quarter cor. between secs. 23 and 24, rd. at fences N. and S. -----	39 23 23.5	94 27 15.3	2,694
T. 53 N., R. 32 W., E. sixteenth cor. between secs. 23 and 26, rd. at fences E. and W. -----	39 22 57.3	94 27 32.2	2,963
T. 53 N., R. 32 W., E. sixteenth cor. sec. 26, rd. at fences E. and W. -----	39 22 31.0	94 27 32.0	2,660
T. 53 N., R. 32 W., E. sixteenth cor. between secs. 26 and 35, 35 ft. N. of State Highway 92, 24 ft. W. of rd. N., 12 ft. W. of rd. S., in corner of field, in concrete post; standard tablet stamped "450 C W A 1934" -----	39 22 05.12	94 27 32.36	2,618

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 53 N., R. 32 W., W. sixteenth cor. between secs. 26 and 35, County Route T at fence S. ---	39 22 04.9	94 28 05.8	2,629
T. 53 N., R. 32 W., cor. secs. 26, 27, 34, and 35, County Route T at rd. N. -----	39 22 04.9	94 28 22.6	1,320
T. 53 N., R. 32 W., quarter cor. between secs. 27 and 34, County Route T at fence S., 10 ft. W. of junction of private rd. N. -----	39 22 04.9	94 28 56.1	2,630
T. 53 N., R. 32 W., cor. secs. 27, 28, 33, and 34, County Route T at rd. N. and fence S. -----	39 22 05.3	94 29 29.6	2,628
T. 53 N., R. 32 W., quarter cor. between secs. 27 and 28, rd. corner from S.-W. at fence E. -----	39 22 31.5	94 29 29.6	2,650
Prim Trav Sta No 3 1911 Mo (previously described) -----	39 22 31.55	94 29 46.24	1,309

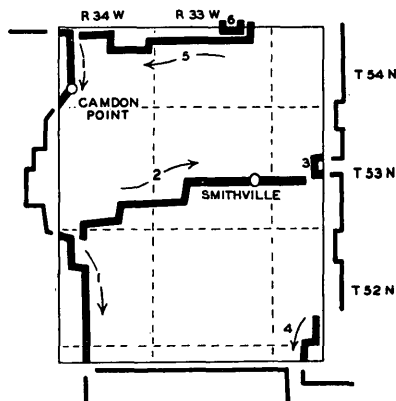
5. FROM SEC. 7, T. 54 N., R. 31 W., WEST TO SEC. 9, T. 54 N., R. 32 W.  
(by H. W. Gross in 1935)

T. 54 N., R. 31 W., center sec. 7, 21 ft. W. of T-rd. E., 3 ft. N. and 2 ft. E. from fence corner; iron post stamped "Prim Trav Sta No 61 S 1921 Mo" (in Plattsburg quadrangle)* --	39 30 23.34	94 25 25.63	(8,001)
T. 54 N., R. 31 W., approximate quarter cor. between secs. 7 and 18, rd. at hedge fence E. -	39 29 57.0	94 25 26.0	2,660
T-rd. E. -----	39 29 43.9	94 25 26.3	1,331
Rd. at fence N. -----	39 29 30.2	94 26 04.5	3,300
T. 54 N., R. 32 W., approximate quarter cor. between secs. 13 and 14, T-rd. S. -----	39 29 30.0	94 27 12.4	5,329
T. 54 N., R. 32 W., approximate quarter cor. between secs. 14 and 15, rd. at fence S. -----	39 29 30.1	94 28 19.9	5,288
Crossroads -----	39 29 56.0	94 28 36.9	2,945
T. 54 N., R. 32 W., approximate cor. secs. 9, 10, 15, and 16, T-rd. N. -----	39 29 56.1	94 29 26.8	3,907
T-rd. W. (in Plattsburg quadrangle)* -----	39 30 09.4	94 29 27.0	1,346

Magnetic declination 8° 38' E.

SMITHVILLE QUADRANGLE  
(Latitude 39°15'-39°30'; longitude 94°30'-94°45')

Clay, Clinton, and Platte Counties



1. FROM LEAVENWORTH QUADRANGLE AT SEC. 17, T. 54 N., R. 34 W., SOUTH BY WAY OF CAMDON POINT AND HAMPTON INTO ARMOURDALE QUADRANGLE AT SEC. 8, T. 51 N., R. 34 W. (by G. T. Hawkins in 1906)  
(Continued from Leavenworth quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 54 N., R. 34 W., quarter cor. between secs. 8 and 17, NE. of crossroads; iron post stamped "Prim Trav Sta No 2 1906 Mo 1028" -----	39 29 56.78	94 44 28.52	(2,673)
T. 54 N., R. 34 W., N. quarter cor. sec. 20, crossroads -----	39 29 04.2	94 44 28.2	5,322

\*Published also in Plattsburg quadrangle (see Bull. 916-D).

Station	Latitude	Longitude	Distance
T. 54 N., R. 34 W., center sec. 29, crossroads --	39 27 45.7	94 44 28.5	Feet 7,943
T. 54 N., R. 34 W., S. quarter cor. sec. 32, T-rd. N. -----	39 26 27.2	94 44 32.6	7,959

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

T. 52 N., R. 34 W., quarter cor. between secs. 5 and 8, 32 ft. N. and 18 ft. W. from crossroads, opposite Park School; iron post stamped "Prim Travl Sta No 3 1906 Mo 970" -----	39 20 23.63	94 44 32.23	(7,973)
T. 52 N., R. 34 W., N. quarter cor. sec. 17 -----	39 19 31.0	94 44 32.2	5,322
T. 52 N., R. 34 W., N. quarter cor. sec. 20 -----	39 18 39.0	94 44 32.4	5,271
T. 52 N., R. 34 W., NE. cor. sec. 20, T-rd. S. --	39 16 39.3	94 43 58.6	2,665
T. 52 N., R. 34 W., NE. cor. sec. 29 (No rd.) --	39 17 46.0	94 43 58.6	5,403
Hampton, crossroads at NE. cor. sec. 32, T. 52 N., R. 34 W. -----	39 16 54.2	94 43 58.5	5,251

(Continued in Armourdale quadrangle; see line 1.)

2. FROM SEC. 5, T. 52 N., R. 34 W., EAST BY WAY OF HOOVER AND SMITHVILLE TO  
SEC. 21, T. 53 N., R. 32 W. (by J. R. Ellis in 1911)

Prim Trav Sta No 3 1906 Mo 970 (previously described) -----	39 20 23.63	94 44 32.23	.....
T. 52 N., R. 34 W., cor. secs. 4, 5, 8, and 9 ---	39 20 25.0	94 43 58.3	2,667
T-rd. S. near N. cor. secs. 4 and 5, T. 52 N., R. 34 W. -----	39 21 15.6	94 43 58.0	5,120
T. 52 N., R. 34 W., N. cor. secs. 2 and 3, 10 ft. W. of crossroads -----	39 21 16.3	94 41 42.9	10,644
T. 53 N., R. 34 W., S. cor. secs. 34 and 35 -----	39 21 16.3	94 41 42.7	16
T. 53 N., R. 34 W., cor. secs. 26, 27, 34, and 35, T-rd. E. -----	39 22 08.2	94 41 41.7	5,260
T. 53 N., R. 34 W., cor. secs. 25, 26, 35, and 36 -----	39 22 08.2	94 40 34.5	5,280
Hoover, crossroads at -----	39 22 08.2	94 40 00.8	2,650
T. 53 N., R. 33 W., cor. secs. 29, 30, 31, and 32, T-rd. S. -----	39 22 08.6	94 38 20.4	7,884
Smithville, 3 mi. SW. of, at NE. corner of Gale School grounds; iron post stamped "Prim Trav Sta No 2 1911 Mo" -----	39 22 08.36	94 37 47.37	2,589
T-rd. S. -----	39 22 47.4	94 36 39.7	6,624
T-rd. N. on Clay-Platte county line -----	39 23 01.9	94 36 02.6	3,260
Smithville, Quincy, Omaha & Kansas City R.R. and St. Joseph & Grand Island Ry. at Meadow Street Bridge -----	39 23 11.0	94 34 35.9	6,874
Wilkinson Creek, center of bridge over -----	39 23 06.5	94 34 11.0	2,000
T-rd. E., 1.5 mi. E. of Smithville -----	39 23 00.1	94 33 04.1	5,294
T. 53 N., R. 32 W., cor. secs. 19, 24, 25, and 30, stone -----	39 23 00.0	94 32 47.0	1,340
T-rd. N., 2.5 mi. E. of Smithville -----	39 22 58.1	94 30 49.8	9,209
T. 53 N., R. 32 W., cor. secs. 20, 21, 28, and 29 -----	39 22 58.0	94 30 36.9	1,010

3. FROM KEARNEY QUADRANGLE AT SEC. 21, T. 53 N., R. 32 W., NORTH INTO  
KEARNEY QUADRANGLE AT SEC. 16, T. 53 N., R. 32 W. (by J. R. Ellis  
in 1911)

(Continued from Kearney quadrangle; see line 1.)

T. 53 N., R. 32 W., center sec. 21, T-rd. N. ----	39 23 24.0	94 30 02.9	(5,469)
T. 53 N., R. 32 W., quarter cor. between secs. 16 and 21, T-rd. E. -----	39 23 49.8	94 30 02.8	2,610

(Continued in Kearney quadrangle; see line 1.)

4. FROM SEC. 28, T. 52 N., R. 32 W., SOUTH INTO ARMOURDALE QUADRANGLE AT  
SEC. 8, T. 51 N., R. 32 W. (by J. R. Ellis in 1911)

T. 52 N., R. 32 W., center sec. 28, crossroads --	39 17 19.4	94 30 04.8	.....
T. 52 N., R. 32 W., S. quarter cor. sec. 33, 10 ft. E. of T-rd. N. -----	39 16 01.3	94 30 05.2	7,901
T-rd. S., 12 ft. S. of cross on fence -----	39 16 02.4	94 31 06.0	4,782
T. 51 N., R. 32 W., quarter cor. between secs. 5 and 8 -----	39 15 10.0	94 31 12.8	5,327

(Continued in Armourdale quadrangle; see line 3.)



Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
5. FROM SEC. 12, T. 54 N., R. 33 W., WEST TO SEC. 17, T. 54 N., R. 34 W. (by J. R. Ellis in 1911)			
T-rd. W., 710 ft. E. of bridge over Linn Branch (in Gower quadrangle)* -----	39 29 59.4	94 32 44.1	(6,570)
T-rd. S., 1.7 mi. N. of Trimble -----	39 29 45.2	94 34 09.5	6,855
T-rd. W. -----	39 29 32.6	94 36 03.6	9,033
T. 54 N., R. 32 W., quarter cor. between secs. 15 and 16, on Clinton-Platte county line -----	39 29 32.3	94 36 03.3	40
T. 54 N., R. 33 W., quarter cor. between secs. 16 and 17, 10 ft. E. of T-rd. N. -----	39 29 32.5	94 37 09.3	5,180
T. 54 N., R. 33 W., in $\frac{1}{2}$ sec. 17, about 0.8 mi. S. of Edgerton, 40 ft. S. and 35 ft. W. from crossroads; iron post stamped "Prim Trav Sta No 6 1911 Mo 854" -----	39 29 31.62	94 38 05.50	4,407
T. 54 N., R. 33 W., quarter cor. between secs. 17 and 18 -----	39 29 32.1	94 38 17.3	929
T. 54 N., R. 34 W., quarter cor. between secs. 13 and 18, stone -----	39 29 31.4	94 39 24.5	5,270
Edgerton Junction, main track of Chicago, Rock Island & Pacific Ry. at sta. -----	39 28 50.8	94 40 25.2	6,296
Chicago, Rock Island & Pacific Ry. at rd. crossing -----	39 29 16.4	94 41 37.6	6,160
T-rd. N., 5 ft. S. and 15 ft. E. from corner fence post -----	39 29 57.2	94 42 42.4	6,548
T. 54 N., R. 34 W., cor. secs. 8, 9, 16, and 17; T-rd. S. -----	39 29 56.8	94 43 54.0	5,612

6. FROM SEC. 12, T. 54 N., R. 33 W., WEST TO SEC. 11, T. 54 N., R. 33 W.  
(by H. W. Gross in 1935)\*\*

T. 54 N., R. 32 W., quarter cor. between secs. 6 and 7, stone at rd. corner from E.-S. (in Gower quadrangle) -----	39 30 48.6	94 32 16.6	(2,476)
T. 54 N., R. 33 W., approximate E. cor. secs. 12 and 13, T-rd. W., 727 ft. E. of bridge over Linn Branch -----	39 29 59.3	94 32 44.0	5,434
T. 54 N., R. 33 W., near center of NE $\frac{1}{4}$ sec. 13, 9 ft. N. and 12 ft. E. from rd. corner from N.-W., 2 ft. W. of fence; iron post stamped "Mo 882" -----	39 29 45.91	94 33 00.94	1,896
U.S. Highway 169 at crossroad -----	39 29 45.0	94 34 09.4	5,367
Winn triangulation sta. (in Gower quadrangle) ---	39 30 31.01	94 33 59.20	4,724

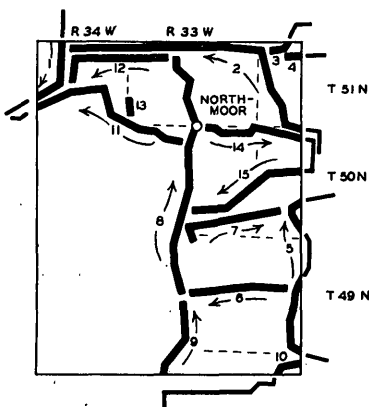
Magnetic declination 8° 54' E.

\*Published also in line 1 of Gower quadrangle (see Bull. 916-D).

\*\*Published as a portion of line 5 in Gower quadrangle (see Bull. 916-D).

ARMOURDALE QUADRANGLE\*  
(Latitude 39°00'-39°15'; longitude 94°30'-94°45')

Clay, Jackson, and Platte Counties



1. FROM SMITHVILLE QUADRANGLE AT SEC. 8, T. 51 N., R. 34 W., SOUTH AND WEST INTO BONNER SPRINGS QUADRANGLE AT SEC. 20, T. 51 N., R. 34 W. (by G. T. Hawkins in 1906)  
(Continued from Smithville quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
Hampton, 2.5 mi. S. of, T-rd. -----	39 14 48.5	94 43 57.9	Feet (12,710)
T. 51 N., R. 34 W., quarter cor. between secs. 16 and 17, T-rd. W. (also described in line 12.) -	39 13 57.6	94 43 59.3	5,191
T. 51 N., R. 34 W., quarter cor. on E. side sec. 20, T-rd. W. -----	39 13 05.5	94 43 58.7	5,250
T. 51 N., R. 34 W., 35 ft. SW. of quarter cor. between secs. 20 and 21; iron post stamped "Prim Trav Sta No 4 1906" -----	39 13 05.35	94 43 59.07	59

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

2. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 33, T. 51 N., R. 32 W., NORTHWEST TO SEC. 8, T. 51 N., R. 34 W. (by J. R. Ellis in 1911)  
(Continued from Independence No. 3 quadrangle; see line 1.)

Tps. 50 and 51 N., R. 32 W., cor. secs. 4, 5, 32, and 33, stone (also described in line 14) -----	39 10 50.6	94 30 42.7	(5,220)
T. 51 N., R. 32 W., center sec. 32, crossroads --	39 11 16.8	94 31 15.6	3,712
T. 51 N., R. 32 W., center sec. 29, stone at T-rd. W. -----	39 12 08.4	94 31 15.1	5,224
T. 51 N., R. 32 W., cor. secs. 19, 20, 29, and 30, stone -----	39 12 34.4	94 31 48.1	3,706
T-rd. N. -----	39 12 34.6	94 32 06.7	1,463
Crossroads -----	39 13 26.4	94 32 03.9	5,246
T-rd. S. at Bethel Baptist Church -----	39 14 44.8	94 32 03.2	7,940
T. 51 N., R. 33 W., quarter cor. between secs. 11 and 12, T-rd. S. -----	39 14 46.9	94 33 59.1	9,124
Gashland, Quincy, Omaha & Kansas City R.R. at rd. crossing -----	39 14 46.9	94 34 34.8	2,810
T. 51 N., R. 33 W., quarter cor. between secs. 10 and 11, crossroads at cemetery -----	39 14 47.0	94 35 05.4	2,410
Barry, crossroads on Clay-Platte county line --	39 14 47.4	94 36 02.7	4,520
T. 51 N., R. 33 W., quarter cor. between secs. 8 and 9, iron pipe -----	39 14 46.7	94 37 18.0	5,926
T. 51 N., R. 33 W., center sec. 8, 38 ft. S. and 41 ft. W. from crossroads; iron post stamped "Prim Trav Sta No 1 1911 Mo 995"*** -----	39 14 47.03	94 37 51.39	2,626
T. 51 N., R. 33 W., quarter cor. between secs. 7 and 8 (also described in line 12) -----	39 14 47.9	94 38 23.6	2,538
T. 51 N., R. 33 and 34 W., quarter cor. between secs. 7 and 12, crossroads at church and schoolhouse -----	39 14 48.7	94 39 30.8	5,301
T-rd. S. (also described in line 12) -----	39 14 48.9	94 40 55.8	6,690
T. 51 N., R. 34 W., quarter cor. between secs. 10 and 11 (also described in line 12) -----	39 14 49.5	94 41 46.4	4,001

\*A part of this quadrangle lies in Kansas.

\*\*\*This post was reset. The coordinates given refer to the new position.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 51 N., R. 34 W., quarter cor. between secs. 9 and 10, crossroads (also described in line 12)-	39 14 49.5	94 42 53.2	5,240
Hampton, 2.5 mi. S. of, T-rd. (previously described) -----	39 14 48.5	94 43 57.9	5,095

3. LINE IN NORTHEAST CORNER OF QUADRANGLE (by J. R. Ellis in 1911)  
(Continued from Smithville quadrangle; see line 4.)

Cashland, 3 mi. E. of, near center sec. 8, T. 51 N., R. 32 W., 45 ft. N. and 65 ft. W. from SE. corner of Faubion School; iron post stamped "Prim Trav Sta No 4 1911 Mo 967* -----	39 14 44.19	94 31 18.63	
---	-------------	-------------	--

4. FROM SEC. 8, T. 51 N., R. 32 W., EAST INTO INDEPENDENCE NO. 3 QUADRANGLE  
AT SEC. 9, T. 51 N., R. 32 W. (by W. R. Broadbuss in 1932)

Prim Trav Sta No 4 1911 Mo 967 (previously described) -----	39 14 44.19	94 31 18.63	.....
T. 51 N., R. 32 W., center sec. 8, crossroads ---	39 14 43.8	94 31 13.0	444
T. 51 N., R. 32 W., quarter cor. between secs. 8 and 9, T-rd. N. -----	39 14 43.1	94 30 39.9	2,610

(Continued in Independence No. 3 quadrangle; see line 6.)

5. FROM INDEPENDENCE NO. 3 QUADRANGLE NORTHWEST ALONG U.S. HIGHWAY 50 TO  
SEC. 25, T. 49 N., R. 33 W., THENCE NORTHEAST ALONG KANSAS CITY  
SOUTHERN RAILWAY AND MISSOURI PACIFIC RAILROAD INTO INDEPENDENCE NO. 3  
QUADRANGLE (by W. R. Broadbuss in 1932)  
(Continued from Independence No. 3 quadrangle; see line 2.)

Crossroad -----	39 01 29.4	94 30 15.0	(2,489)
T. 49 N., R. 33 W., in SW 1/4 SW 1/4 sec. 25, 43 ft. S. of U.S. Highway 50, 3 ft. above ground in N. face of footing of arches of Kansas City Southern Ry. bridge; standard tablet stamped "T T 248 B 1932" -----	39 01 59.29	94 30 50.83	4,142
R.R. at underpass -----	39 02 10.4	94 30 40.3	1,397
R.R. at bridge over creek -----	39 02 20.3	94 30 22.7	1,709
R.R. at bridge over rd. -----	39 02 40.4	94 30 01.5	2,641
T. 49 N., R. 33 W., in NE 1/4 NE 1/4 sec. 24, 530 ft. N. of U.S. Highway 40 at crossing of Chicago, Rock Island & Pacific and Kansas City Southern Rys., in bottom step on S. side of W. abutment; standard tablet stamped "T T 249 B 1932" -----	39 03 31.95	94 30 07.63	5,232
R.R. at rd. crossing -----	39 04 07.4	94 30 04.3	3,595

(For balance in Independence No. 3 quadrangle; see line 3.)

Center of E. track of R.R. at Independence Avenue crossing -----	39 06 29.6	94 30 00.9	(1,347)
R.R. intersection -----	39 06 56.0	94 30 01.6	640

(Continued in Independence No. 3 quadrangle; see line 3.)

6. FROM SEC. 24, T. 49 N., R. 33 W., WEST TO COLUMBIAN SCHOOL NEAR  
INTERSECTION OF RAINBOW BOULEVARD AND SEMINARY STREET  
(by R. R. Boswell, Jr. in 1933)

T T 249 B 1932 (previously described) -----	39 03 31.95	94 30 07.63	.....
Main track of St. Louis-San Francisco Ry. at crossing of U.S. Highway 40 -----	39 03 27.3	94 30 20.8	1,140
T. 49 N., R. 33 W., cor. secs. 13, 14, 23, and 24, stone -----	39 03 41.4	94 30 58.1	3,270
U.S. Highway 40 at 31st Street -----	39 04 07.8	94 31 12.2	2,900
Kansas City, at Milton Moore School, 40 ft. S. of 31st Street, 26 ft. E. of Cypress Avenue, in NW. corner of schoolyard, in concrete post; standard tablet stamped "T T 7 B0 1933 944" --	39 04 08.60	94 31 50.49	3,020
Intersection of Cypress Avenue and 35th Street --	39 03 43.0	94 31 52.0	2,590
T. 49 N., R. 33 W., cor. secs. 14, 15, 22, and 23, intersection of Jackson Avenue and 35th Street -----	39 03 43.4	94 32 04.5	990
T. 49 N., R. 33 W., quarter cor. between secs. 15 and 22, intersection of Indiana Avenue and 35th Street -----	39 03 44.4	94 32 37.6	2,620
T. 49 N., R. 33 W., cor. secs. 15, 16, 21, and 22, intersection of Prospect Avenue and 35th Street -----	39 03 45.5	94 33 10.8	2,620

\*In 1934 it was reported by C. T. Shepard that this post had been moved.  
The description and coordinates of the mark in its new position are unknown.

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 49 N., R. 33 W., quarter cor. between secs. 16 and 21, intersection of Woodland Avenue and 35th Street -----	39 03 46.2	94 33 44.0	2,630
T. 49 N., R. 33 W., cor. secs. 16, 17, 20, and 21, intersection of Armour Boulevard and Troost Avenue -----	39 03 47.7	94 34 17.4	2,640
Kansas City, 49 ft. S. and 31 ft. E. from intersection of Armour Boulevard and Hyde Park Avenue, in NW. corner of yard of dwelling of Bishop Lillis (301 E. Armour), in concrete post; standard tablet stamped "T T 8 BO 1933 941" -----	39 03 48.68	94 34 54.63	2,940
T. 49 N., R. 33 W., cor. secs. 17, 18, 19, and 20, intersection of Armour Boulevard and Broadway -----	39 03 50.3	94 35 24.4	2,360
T. 49 N., R. 33 W., approximate quarter cor. between secs. 19 and 20, intersection of Broadway and 39th Street -----	39 03 24.3	94 35 25.9	2,630
Intersection of 39th and Summit Streets -----	39 03 24.9	94 35 43.9	1,420
Intersection of 39th and Bell Streets -----	39 03 26.3	94 36 21.2	2,950
39th Street at Missouri-Kansas State line -----	39 03 26.4	94 36 25.4	330
T. 11 S., R. 25 E., cor. secs. 26, 27, 34, and 35, iron pin at fence corner, 200 ft. N. of angle in Rainbow Boulevard -----	39 03 31.4	94 36 41.8	1,390
Kansas City, Kans., in sec. 27, T. 11 S., R. 25 E., 325 ft. NE. of intersection of Rainbow Boulevard and Seminary Street, on N. side of steps at front entrance to Columbian School, set in concrete coping; standard tablet stamped "T T 9 BO 1933" -----	39 03 57.86	94 36 49.21	2,740

7. FROM CATHOLIC CATHEDRAL IN NORTHWEST PART OF KANSAS CITY, MISSOURI NORTHWEST TO POINT 0.2 MILE WEST OF CENTRAL AVENUE VIADUCT, THENCE NORTHEAST ALONG ROADS IN MISSOURI RIVER VALLEY INTO INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 25, T. 50 N., R. 33 W. (by R. R. Boswell, Jr. in 1933)

U.S.C. & G.S. triangulation point designated "Cathedral" -----	39 06 03.24	94 35 20.46	.....
Intersection of Fowler Avenue and Fourth Street, Kansas City, Kans. -----	39 06 39.0	94 37 06.4	9,100
R.R. spike, 2 ft. E. of N. bound track at N. line of James Street viaduct -----	39 06 43.4	94 37 01.9	570
Main track of Chicago Great Western R.R. at Market Street crossing -----	39 06 44.7	94 36 47.5	1,140
Intersection of Ohio Avenue and Woodsawether Road-Woodsawether Road at Kans.-Mo. State line -----	39 06 37.5	94 36 34.5	1,260
Intersection of Woodsawether Road and Broadway -----	39 06 35.5	94 36 25.0	780
Kansas City, 32 ft. S. and 35 ft. E. from intersection of Grand Avenue and First Street, 4 ft. S. and 4 ft. E. from NW. corner of yard of Grand Avenue sta. of Kansas City Power and Light Co., in concrete post; standard tablet stamped "T T 12 BO 1933" -----	39 06 39.8	94 35 17.4	5,350
Intersection of Gillis Avenue and First Street -----	39 06 44.84	94 34 49.16	2,280
Intersection of Shelly and Guinotte Avenues -----	39 06 49.7	94 34 18.5	2,460
Intersection of Prospect and Guinotte Avenues -----	39 06 59.9	94 33 40.0	3,200
Intersection of Montgall and Nicholson Avenue -----	39 07 08.3	94 33 00.4	3,240
Ball on top of Empire Storage and Ice Co. water tower -----	39 07 27.4	94 32 55.4	1,970
Intersection of Nicholson and Monroe Avenues -----	39 07 08.3	94 32 52.2	1,950
Intersection of Monroe Avenue and Garner Road -----	39 07 26.0	94 32 11.5	3,470
Kansas City, near W. sixteenth cor. sec. 26, T. 50 N., R. 33 W., about 0.5 mi. E. of intersection of Monroe Avenue and Garner Road, 15 ft. S. and 36 ft. W. from SW. corner of Pleasant Valley School, 2 ft. N. and 68 ft. E. from SW. corner of yard, in concrete post; standard tablet stamped "T T 13 BO 1933" -----	39 07 38.9	94 32 10.8	1,320
Intersection of Garner Road and W. track of R.R. yards -----	39 07 38.50	94 31 41.52	2,310
Intersection of Garner Road and Topping -----	39 07 36.9	94 31 09.0	2,570
U.S.C.E. B.M. designated "PBM 227" (in Independence No. 3 quadrangle; see line 3.) -----	39 07 34.4	94 30 47.1	1,750
	39 07 03.33	94 29 31.86	6,734

8. FROM COLUMBIAN SCHOOL NEAR INTERSECTION OF RAINBOW BOULEVARD AND SEMINARY STREET NORTH TO SEC. 8, T. 51 N., R. 33 W. (by R. R. Boswell, Jr. in 1933)

T T 9 BO 1933 (previously described) -----	39 03 57.86	94 36 49.21	.....
Intersection of Southwest Boulevard and Seventh Street -----	39 04 04.4	94 36 48.0	670

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Turkey Creek, center of Seventh Street Bridge over -----	39 04 13.7	94 37 02.6	1,490
Intersection of Shawnee Road and Fitzgerald Street -----	39 04 30.4	94 37 07.0	1,720
Kaw River, center of Fifth Street Bridge over -----	39 04 37.7	94 37 11.9	830
Intersection of Osage Avenue and Fifth Street on N.-S. line through center sec. 22, T. 11 S., R. 25 E. -----	39 05 04.0	94 37 16.0	2,680
Kansas City, Kans., 29 ft. S. and 88 ft. E. from intersection of Shawnee Road and Sixth Street, 16 ft. N. and 12 ft. W. from NW. corner of John J. Ingalls School, 2 ft. S. of flagpole, in concrete post; standard tablet stamped "T T 10 BO 1933" -----	39 05 09.37	94 37 19.29	600
Center of Seventh Street at S. end of handrail of viaduct over Chicago, Rock Island & Pacific Ry. -----	39 05 16.0	94 37 32.8	1,260
Seventh Street at N. end of viaduct -----	39 05 35.0	94 37 33.0	1,920
T. 11 S., R. 25 E., quarter cor. between secs. 10 and 15, stone at N. bound track on Fifth Street, 818 ft. S. of Central Avenue viaduct -----	39 06 01.1	94 37 16.8	2,930
Fifth Street at Central Avenue Bridge -----	39 06 09.2	94 37 16.6	620
U.S.C. & G.S. triangulation point designated "Cathedral" (previously described) -----	39 06 03.24	94 35 20.46	9,170
Intersection of Fowler Avenue and Fourth Street, Kansas City, Kans. (previously described) -----	39 06 39.0	94 37 06.4	9,100
R.R. spike, 2 ft. E. of N. bound track at N. line of James Street viaduct (previously described) -----	39 06 43.3	94 37 01.9	570
Intersection of Minnesota Avenue and Third Street -----	39 06 56.0	94 36 57.1	1,340
Kansas City, Kans., 31 ft. S. and 45 ft. E. from intersection of Second and Richmond Streets, 30 ft. N. and 7 ft. W. from NW. corner of Stowe School, in concrete post; standard tablet stamped "T T 11 BO 1933" -----	39 07 26.91	94 36 53.66	3,140
Intersection of Quindaro Boulevard and Third Street -----	39 07 49.2	94 36 57.3	2,275
Intersection of Rickel and Clark Roads, iron pin T. 10 S., R. 25 E., quarter cor. between secs. 27 and 34, iron pin at intersection of -----	39 08 08.4	94 36 45.6	2,155
Funston and Clark Roads -----	39 08 34.7	94 36 45.0	2,660
Kansas City, Kans. near Fairfax Airport, 485 ft. E. of iron pin at intersection of Clark and Reimer rds., center sec. 27, T. 10 S., R. 25 E., 38 ft. N. and 32 ft. W. from intersection of Fairfax Road and Reimer rd., in concrete post; standard tablet stamped "T T 17 BO 1933" -----	39 09 01.14	94 36 38.35	2,735
Kansas City, Mo. water tower -----	39 09 28.2	94 34 53.7	8,690
U.S. Highway 71 at center of E. gate at extreme E. end of Riverside Race Track -----	39 10 09.0	94 36 24.5	8,270
Center of concrete triangle at junction of U.S. Highway 71 and State Highway 45 -----	39 10 20.0	94 36 44.6	1,940
T. 50 N., R. 33 W., center sec. 4, iron pipe at NW. fence corner on W. bank of Line Creek -----	39 10 27.3	94 36 48.5	800
Branch of Line Creek, center of bridge over -----	39 10 39.9	94 36 28.1	2,050
Northmoor, in SE 1/4 sec. 33, T. 51 N., R. 33 W., 22 ft. N. and 5 ft. E. from NE. corner of post office, 70 ft. N. and 15 ft. W. from crossroads, 2 ft. W. of telephone pole, in concrete post; standard tablet stamped "T T 16 BO 1933 777" -----	39 11 02.82	94 36 21.06	2,385
T-rd. E. -----	39 11 17.3	94 36 22.8	1,505
Crossroads on line between secs. 28 and 33, T. 51 N., R. 33 W. -----	39 11 23.4	94 36 23.6	600
T. 51 N., R. 33 W., approximate center sec. 28, crossroads -----	39 12 11.0	94 36 31.0	4,850
Crossroads, 10 ft. N. and 260 ft. E. from iron pin at quarter cor. between secs. 21 and 28, T. 51 N., R. 33 W. -----	39 12 37.0	94 36 43.2	2,800
T-rd. S. on approximate line through center sec. 21, T. 51 N., R. 33 W. -----	39 13 03.0	94 36 55.6	2,610
T-rd. N. -----	39 13 07.5	94 37 18.9	1,885
T. 51 N., R. 33 W., in SE 1/4 NE 1/4 sec. 20, 34 ft. E. of center of triangle formed by rd. forks, 6 ft. S. and 84 ft. E. from bridge over Line Creek, in concrete post; standard tablet stamped "T T 18 BO 1933 836" -----	39 13 09.50	94 37 20.69	250
Rd. fork N. -----	39 13 18.9	94 37 32.2	1,315
Rd. at fence W. at transmission line between secs. 17 and 20, T. 51 N., R. 33 W. -----	39 13 29.3	94 37 36.9	1,115
T-rd. W. -----	39 13 33.7	94 37 38.9	470
Rd. at fences E. and W. on approximate line through center sec. 17, T. 51 N., R. 33 W. -----	39 13 55.3	94 37 51.3	2,390
Junction of private rd. E. -----	39 14 04.6	94 37 51.2	940

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 51 N., R. 33 W., approximate quarter cor. between secs. 8 and 17, rd. at fences E. and W. -----	39 14 21.5	94 37 51.0	1,715
Center of bridge over creek -----	39 14 35.1	94 37 51.0	1,370
Prim Trav Sta No 1 1911 Mo 995 (previously described) -----	39 14 47.03	94 37 51.39	1,210

9. FROM OLATHE NO. 1 QUADRANGLE AT SEC. 22, T. 12 S., R. 25 E., NORTHEAST TO INTERSECTION OF BOOTH AND 44th STREETS (by R. R. Boswell, Jr. in 1933)

17 J 1933 (In Olathe No. 1 quadrangle; see line 1.) -----	38 59 35.53	94 37 48.28	.....
T. 12 S., R. 25 E., approximate cor. secs. 15, 16, 21, and 22, Mission Road at fence E. -----	39 00 01.9	94 37 48.7	2,670
T. 12 S., R. 25 E., quarter cor. between secs. 15 and 16, Mission Road at 67th Street -----	39 00 28.1	94 37 48.8	2,650
T. 12 S., R. 25 E., approximate cor. secs. 9, 10, 15, and 16, Mission Road at 63rd Street -----	39 00 54.3	94 37 48.6	2,650
Indian Creek, 63rd Street at center of rock bridge over -----	39 00 54.4	94 37 19.0	2,340
Indian Creek, center of low-water bridge across, at entrance to Kansas City Country Club -----	39 01 07.3	94 37 07.5	1,585
Indian Creek, center of low-water bridge across - T. 12 S., R. 25 E., near center of SE 1/4 sec. 3, 144 ft. N. of U.S. Highway 50, 22 ft. E. of Belinder Road, 2 ft. E. of corner fence post, in concrete post; standard tablet stamped "16 J 1933" -----	39 01 28.1	94 36 58.3	2,225
KMBC radio tower -----	39 02 01.48	94 36 58.68	3,380
Intersection of Belinder Road and 47th Street on Johnson-Wyandotte county line -----	39 02 16.7	94 36 56.3	1,564
Intersection of Booth and 44th Streets -----	39 02 38.7	94 36 59.1	2,230
	39 02 56.4	94 36 49.7	1,940

10. FROM INDEPENDENCE NO. 3 QUADRANGLE WEST ALONG BLUE RIDGE BOULEVARD AND SOUTH ALONG ROADS INTO OLATHE NO. 1 QUADRANGLE AT SWOPE PARK (by R. R. Boswell, Jr. in 1933)

T. 48 N., R. 32 W., quarter cor. between secs. 6 and 7, intersection of James A. Reed Road and 67th Street (In Independence No. 3 quadrangle; see line 2.) -----	39 00 09.8	94 29 28.8	.....
T. 48 N., R. 32 and 33 W., cor. secs. 1, 6, 7, and 12, intersection of Bristol Avenue -----	39 00 10.7	94 30 01.7	2,600
Kansas City Southern Ry. at overpass -----	39 00 13.5	94 30 36.3	2,740

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

11. FROM SEC. 4, T. 50 N., R. 33 W., WEST ALONG STATE HIGHWAY 45\* TO SEC. 26, T. 51 N., R. 34 W., THENCE WEST AND SOUTHWEST ALONG ROADS INTO BONNER SPRINGS QUADRANGLE AT SEC. 31, T. 51 N., R. 34 W. (by R. R. Boswell, Jr. in 1933)

Center of concrete triangle at junction of U.S. Highway 71 and State Highway 45 (previously described) -----	39 10 20.0	94 36 44.6	.....
Line Creek, center of bridge over -----	39 10 21.6	94 36 58.3	1,090
Junction of rd. S. on line between secs. 4 and 5, T. 50 N., R. 33 W. -----	39 10 19.8	94 37 20.6	1,760
Junction of private rd. N. -----	39 10 25.8	94 37 49.5	2,355
T. 50 N., R. 33 W., in SE 1/4 sec. 5, 19 ft. S. and 56 ft. E. from NE. corner of Lakeside School, 13 ft. N. and 5 ft. E. from 40-in. maple tree, in concrete post; standard tablet stamped "T T 19 BO 1933 749" -----	39 10 25.99	94 37 59.48	785
Junction of private rd. N. -----	39 10 30.9	94 38 13.9	1,590
Junction of rd. S. on approximate line between secs. 5 and 6, T. 50 N., R. 33 W. -----	39 10 33.8	94 38 26.7	1,050
Junction of rd. N. to Green Hills Country Club -- Crossroad on approximate line between secs. 31 and 36, T. 51 N., R. 33 and 34 W. -----	39 10 42.8	94 38 54.0	2,335
Center of bridge -----	39 10 48.8	94 39 32.8	3,115
Parkville, at Parkville College, 20 ft. N. and 50 ft. E. from bridge in SW. corner of yard of chapel, 3 ft. N. of edge of sidewalk, 2 ft. S. of light post, in concrete post; standard tablet stamped "T T 20 BO 1933 758" -----	39 10 55.9	94 39 53.2	1,755
Highway at fence E. on approximate line between secs. 26 and 35, T. 51 N., R. 34 W. -----	39 11 20.08	94 40 54.82	5,435
	39 11 48.5	94 40 53.8	2,880

\*Traverseman says route is along Highway 59, maps show route to be along State Highway 45.

Station	Latitude	Longitude	Distance
Highway at fence E. -----	39 12 06.1	94 40 55.4	1,785
Highway at fence E. -----	39 12 32.5	94 40 54.0	2,670
Junction of rd. W. -----	39 12 38.9	94 40 49.8	730
Rd. fork NW. -----	39 12 39.0	94 41 14.4	1,930
Rd. fork NE. -----	39 12 38.4	94 41 30.6	1,280
T. 51 N., R. 34 W., cor. secs. 22, 23, 26, and 27, iron pin in lower part of trunk of 24-in. white-oak tree, near SE. corner of fence on W. bank of small stream -----	39 12 39.7	94 41 45.9	1,210
T. 51 N., R. 34 W., quarter cor. between secs. 22 and 27, stone, 375 ft. N. of rd. along fence -----	39 12 39.4	94 42 19.4	2,640
T. 51 N., R. 34 W., in NW 1/4 sec. 27, 42 ft. S. and 28 ft. E. from junction of private rd. S., 3 ft. S. and 28 ft. E. from gate, 3 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 21 BO 1933 849" -	39 12 34.97	94 42 26.25	705
T-rd. S. -----	39 12 39.0	94 42 48.0	1,755
Rd. at fences N. and S. -----	39 12 42.7	94 43 11.5	1,890
Rd. at fence S. -----	39 12 43.5	94 43 26.0	1,140
Rd. at fences E. and W. -----	39 12 52.9	94 43 40.9	1,505
T. 51 N., R. 34 W., approximate quarter cor. between secs. 20 and 21, T-rd. W. -----	39 13 05.6	94 43 59.0	1,925
T. 51 N., R. 34 W., cor. secs. 20, 21, 28, and 29, 5 ft. N. and 105 ft. W. from iron pin, 101 ft. S. and 57 ft. E. from SE. corner of Brink School, 5 ft. N. and 3 ft. E. from 12-in. hackberry tree, in concrete post; standard tablet stamped "T T 22 BO 1933 992" -	39 12 39.58	94 43 59.65	2,640
T. 51 N., R. 34 W., approximate center sec. 29, rd. at E-W. fence -----	39 12 13.6	94 44 00.8	2,630
Rd. at E-W. fence -----	39 12 00.2	94 44 04.5	1,385
Rd. at E-W. fence -----	39 11 47.6	94 44 09.9	1,350
Rd. at fence N. -----	39 11 36.3	94 44 14.1	1,185
Rd. at fence N. -----	39 11 34.0	94 44 40.0	2,060
Center of bridge -----	39 11 33.7	94 44 59.2	1,515

(Continued in Bonner Springs quadrangle; see line 2.)

12. FROM SEC. 8, T. 51 N., R. 33 W., WEST AND SOUTH TO SEC. 20, T. 51 N., R. 34 W. (by R. R. Roswell, Jr. in 1933)			
Prim Trav Sta No 1 1911 Mo 995 (previously described) -----	39 14 47.03	94 37 51.39	.....
T. 51 N., R. 33 W., quarter cor. between secs. 7 and 8, rd. at fence N. (also described in line 2) -----	39 14 47.9	94 38 23.6	2,540
T. 51 N., R. 33 W., approximate center sec. 7, rd. at fence N. -----	39 14 48.3	94 38 57.2	2,645
T. 51 N., R. 34 W., in sec. 12, 3 mi. W. of Barry, in NE. corner of Prairie Point Church, 50 ft. S. and 28 ft. W. from intersection of State Highway 59 and E-W. rd.; iron post stamped "Mo 1076" -----	39 14 48.16	94 39 31.17	2,670
T. 51 N., R. 34 W., approximate center sec. 12, rd. at N-S. fence -----	39 14 48.2	94 40 05.0	2,670
Rd. at N-S. fence -----	39 14 48.8	94 40 22.1	1,340
T-rd. S. (also described in line 2) -----	39 14 48.9	94 40 55.8	2,650
T. 51 N., R. 34 W., near center sec. 11, about 4.5 mi. W. of Barry, 100 ft. N. and 85 ft. W. from NW. corner of Rocky Point School, 40 ft. S. and 80 ft. E. from junction of rd. N., 4 ft. E. of telephone pole, in concrete post; standard tablet stamped "T T 24 BO 1933 935" -	39 14 48.80	94 41 11.61	1,250
Rd. at fence N. -----	39 14 49.4	94 41 38.9	2,150
T. 51 N., R. 34 W., approximate quarter cor. between secs. 10 and 11, rd. at fences N. and S. (also described in line 2) -----	39 14 49.5	94 41 46.4	595
T. 51 N., R. 34 W., approximate center sec. 10, rd. at fence N. -----	39 14 49.6	94 42 19.9	2,630
T. 51 N., R. 34 W., approximate quarter cor. between secs. 9 and 10, crossroad (also described in line 2) -----	39 14 49.5	94 42 53.2	2,620
Rd. at fence S. -----	39 14 49.6	94 43 16.7	1,850
Rd. at fence S. -----	39 14 49.5	94 43 38.6	1,730
Center of bridge -----	39 14 49.5	94 43 42.2	285
T. 51 N., R. 34 W., in SE 1/4 sec. 8, 1 ft. N. and 48 ft. E. from NE. corner of Browns School, 23 ft. W. of rd., 4 ft. W. of telephone pole, in concrete post; standard tablet stamped "T T 25 BO 1933 965" -----	39 14 35.68	94 43 59.54	1,950
T. 51 N., R. 34 W., approximate cor. secs. 8, 9, 16, and 17, rd. at fence E. -----	39 14 23.7	94 43 59.2	1,215

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 51 N., R. 34 W., approximate quarter cor. between secs. 16 and 17, T-rd. W. (also described in line 1) -----	39 13 57.6	94 43 59.3	2,640
Rd. at fence E. -----	39 13 44.6	94 43 59.2	1,310
T. 51 N., R. 33 W., cor. secs. 16, 17, 20, and 21, underground stone in rd. at fence W. -----	39 13 31.7	94 43 59.2	1,310
Crossroads -----	39 13 09.0	94 43 59.0	2,295
T T 22 B0 1933 992 (previously described) -----	39 12 39.58	94 43 59.65	2,980

13. FROM SEC. 36, T. 51 N., R. 34 W., NORTH TO SEC. 25, T. 51 N., R. 34 W.  
(by R. R. Boswell, Jr. in 1933)

Crossroads on approximate line between secs. 31 and 36, T. 51 N., Rs. 33 and 34 W. (previously described) -----	39 10 48.8	94 39 32.8	.....
Rd. fork NE. -----	39 11 07.7	94 39 37.5	1,950
Rd. at E.-W. fence on approximate line between secs. 25 and 36, T. 51 N., R. 34 W. -----	39 11 27.3	94 39 46.9	2,115
Carpenter triangulation sta. of M.R.C. -----	39 11 47.89	94 39 47.07	2,085

14. FROM NORTHMOOR EAST INTO INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 33,  
T. 51 N., R. 32 W. (by S. T. Tudor in 1935)

T T 16 B0 1933 777 (previously described) -----	39 11 02.82	94 36 21.06	.....
Rd. corner from W.-N. on Clay-Platte county line. Rd. at fences E. and W. approximately 230 ft. E. of quarter cor. between secs. 34 and 35, T. 51 N., R. 33 W. -----	39 11 25.1	94 36 03.2	2,650
Tps. 50 and 51 N., R. 33 W., approximate W. sixteenth cor. between secs. 2 and 35, crossroads -----	39 11 18.5	94 35 05.0	4,635
Tps. 50 and 51 N., R. 33 W., quarter cor. between secs. 2 and 35, intersection of U.S. Highways 169 and 69 east -----	39 10 52.4	94 34 51.7	2,840
Tps. 50 and 51 N., R. 33 W., approximate cor. secs. 1, 2, 35, and 36, U.S. Highway 69 at rd. N. -----	39 10 52.3	94 34 35.1	1,310
Tps. 50 and 51 N., R. 33 W., approximate quarter cor. between secs. 1 and 36, U.S. Highway 69 on curve at fence N. -----	39 10 52.0	94 34 01.8	2,620
T. 51 N., Rs. 32 and 33 W., quarter cor. between secs. 31 and 36, 3 ft. S. and 35 ft. W. from T-rd. E., in concrete post; standard tablet stamped "T T 1524 E R A 1935" -----	39 10 52.0	94 33 28.8	2,600
T. 51 N., R. 32 W., approximate center sec. 31, U.S. Highway 69 at fence N. -----	39 11 17.32	94 32 55.35	3,677
T. 51 N., R. 32 W., approximate quarter cor. between secs. 31 and 32, U.S. Highway 69 at fence S. -----	39 11 17.1	94 32 21.8	2,640
T. 51 N., R. 32 W., center sec. 32, junction of U.S. Highway 69 and State Highway 10 -----	39 11 16.8	94 31 48.8	2,600
Tps. 50 and 51 N., R. 32 W., approximate quarter cor. between secs. 5 and 32, crossroads -----	39 11 16.8	94 31 15.6	2,620
Tps. 50 and 51 N., R. 32 W., cor. secs. 4, 5, 32, and 33, T-rd. S. (Same location is described in line 2) -----	39 10 50.7	94 31 15.9	2,640
Tps. 50 and 51 N., R. 32 W., approximate quarter cor. between secs. 4 and 33, T-rd. S. -----	39 10 50.6	94 30 42.7	2,620
	39 10 50.3	94 30 09.5	2,610

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

15. FROM INDEPENDENCE NO. 3 QUADRANGLE AT SEC. 9, T. 50 N., R. 32 W.,  
WEST TO SEC. 23, T. 50 N., R. 33 W. (by S. T. Tudor in 1935)  
(Continued from Independence No. 3 quadrangle; see line 12.)

T-rd. N. -----	39 09 11.0	94 31 15.0	(7,311)
Chicago, Milwaukee, St. Paul and Pacific R.R. bridge over Missouri River and E.-W. rd. under N. approach span -----	39 08 51.2	94 32 03.3	4,302
Chicago, Burlington & Quincy R.R. and Wabash Ry. bridge over creek -----	39 08 47.6	94 32 52.9	3,919
Center of Kansas City Power and Light Co. transmission tower on N. bank of Missouri River North Kansas City, about 1,108 ft. S. and 1,610 ft. W. from center of Kansas City Power and Light Co. transmission tower, on levee on N. bank of Missouri River, about 4,300 ft. E. of Armour, Swift, and Burlington bridge over Missouri River; M.R.C. monument (probably designated "BM D 84/2-B" -----	39 07 39.1	94 33 37.9	7,777
	39 07 28.23	94 34 00.83	2,122

\*Missouri River Commission.





Station	Latitude	Longitude	Distance
Junction of Mission Road at 110th Street -----	38 55 39.2	94 38 08.0	Feet 2,060
T. 13 S., R. 25 E., approximate quarter cor. between secs. 9 and 16, 110th Street at rd. S. at fence N. -----	38 55 39.2	94 38 21.8	1,090
T. 13 S., R. 25 E., approximate center sec. 16, T-rd. E. at hedge W. -----	38 55 12.8	94 38 22.1	2,670
T. 13 S., R. 25 E., quarter cor. between secs. 16 and 21, in SW. corner of yard of Homer Mann, 19 ft. N. and 26 ft. E. from junction of rd. N., in concrete post; standard tablet stamped "T T 19 J 1933" -----	38 54 46.78	94 38 22.26	2,640
T. 13 S., R. 25 E., approximate cor. secs. 15, 16, 21, and 22, T-rd. S. (rd. S. is Shawnee Road) -----	38 54 46.5	94 37 49.0	2,630
T. 13 S., R. 25 E., quarter cor. between secs. 21 and 22, Shawnee Road at rd. E. -----	38 54 20.3	94 37 48.9	2,660
T. 13 S., R. 25 E., cor. secs. 21, 22, 27, and 28, Shawnee Road at rd. W. -----	38 53 53.9	94 37 49.1	2,670
Shawnee Road at fence W. -----	38 53 27.8	94 37 49.2	2,650
T. 13 S., R. 25 E., cor. secs. 27, 28, 33, and 34, 31 ft. N. and 31 ft. W. from intersection of Shawnee Road and Olathe-Martin City Road, 72 ft. S. and 42 ft. E. from SE. corner of Oxford School, in concrete post; standard tablet stamped "20 J 1933" -----	38 53 01.85	94 37 49.65	2,620

2. FROM HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 16, T. 47 N., R. 32 W.,  
NORTHWEST TO SEC. 1, T. 47 N., R. 33 W., THENCE NORTH AND EAST ALONG  
JACKSON COUNTY HIGHWAYS 4-E AND 8-S INTO HARRISONVILLE NO. 2 QUADRANGLE  
(by R. R. Boswell, Jr. and G. N. Tex in 1933)  
(Continued from Harrisonville No. 2 quadrangle; see line 4.)

T. 47 N., Rs. 32 and 33 W., approximate cor. secs. 7, 12, 13, and 18, rd. corner from E.-N.-	38 54 02.0	94 30 21.8	(3,640)
T. 47 N., Rs. 32 and 33 W., approximate quarter cor. between secs. 7 and 12, rd. at fence E. --	38 54 28.0	94 30 20.0	2,630
T. 47 N., Rs. 32 and 33 W., approximate cor. secs. 1, 6, 7, and 12, T-rd. S. -----	38 54 54.0	94 30 18.2	2,630
T. 47 N., R. 33 W., in E $\frac{1}{2}$ sec. 1, about 0.8 mi. E. of Hickman Mills, 75 ft. S. and 153 ft. W. from SW. corner of Ruskin High School, 20 ft. S. and 57 ft. E. from Jackson County Highway 4-E (Blue Ridge Boulevard) at private drive to school, in concrete post; standard tablet stamped "T T 21 T 1933" -----	38 55 22.75	94 30 31.36	3,090
Crossroad on line between secs. 1 and 36, T. 48 N., R. 33 W. -----	38 55 50.0	94 30 27.1	2,780
Highway at fence E. on approximate line through center sec. 36, T. 48 N., R. 33 W. -----	38 56 16.6	94 30 30.2	2,700
Junction of rd. W., on approximate line between secs. 25 and 36, T. 48 N., R. 33 W. -----	38 56 42.5	94 30 29.0	2,620
Intersection of highways -----	38 57 08.6	94 30 27.8	2,650
T. 48 N., Rs. 32 and 33 W., approximate quarter cor. between secs. 25 and 30, junction of rd. N. -----	38 57 07.8	94 30 11.2	1,320

(Continued in Harrisonville No. 2 quadrangle; see line 5.)

3. FROM ARMOURDALE QUADRANGLE AT SWOPE PARK WEST TO CLEVELAND AVENUE,  
THENCE SOUTH TO 75th STREET, THENCE WEST ALONG 75th STREET TO  
SEC. 22, T. 12 S., R. 25 E. (by R. R. Boswell, Jr.  
in 1933)

(Continued from Armourdale quadrangle; see line 10.)

Kansas City, 830 ft. N. of E. end of bridge entrance to Swope Park, 8 ft. N. and 16 ft. W. from SW. corner of zoo slaughter house, 4 ft. S. of 10-in. hickory tree, in concrete post; standard tablet stamped "T T 14 BO 1933 780" -----	38 59 48.84	94 31 28.28	(4,800)
Intersection of Cleveland and Gregory Avenues --	38 59 54.0	94 32 33.6	5,185
Intersection of Cleveland Avenue and 75th Street --	38 59 24.6	94 32 35.1	2,980
Intersection of Indiana Avenue, approximate quarter cor. between secs. 10 and 15, T. 48 N., R. 33 W. -----	38 59 25.3	94 32 51.9	1,330
Intersection of Prospect Avenue, approximate cor. secs. 9, 10, 15, and 16, T. 48 N., R. 33 W. --	38 59 26.9	94 33 25.4	2,660
Intersection of The Paseo Boulevard, approximate quarter cor. between secs. 9 and 16, T. 48 N., R. 33 W. -----	38 59 28.2	94 33 58.0	2,570
Kansas City, 320 ft. N. and 46 ft. E. from intersection of 75th Street and Tracy Avenue, 16 ft. S. and 22 ft. W. from SW. corner of Marlborough School, in concrete post; standard tablet stamped "T T 15 BO 1933 982" -----	38 59 32.42	94 34 11.58	1,990

Station	Latitude	Longitude	Distance
	" "	" "	Feet
Intersection of Troost Avenue, approximate cor. secs. 8, 9, 16, and 17, T. 48 N., R. 33 W. ----	38 59 29.5	94 34 31.0	730
Intersection of Oak Street, approximate quarter cor. between secs. 8 and 17, T. 48 N., R. 33 W. ----	38 59 31.0	94 35 05.0	2,680
Intersection of Warnall Road, approximate cor. secs. 7, 8, 17, and 18, T. 48 N., R. 33 W. ----	38 59 32.7	94 35 38.8	2,680
Intersection of Ward Parkway, approximate quarter cor. between secs. 7 and 18, T. 48 N., R. 33 W. Stone, 80 ft. N. and 10 ft. W. from Kans.-Mo. ----	38 59 34.1	94 36 12.3	2,650
State line and 75th Street W. ----	38 59 36.4	94 36 27.9	1,255
Intersection of rd. N. ----	38 59 35.5	94 36 44.0	1,275
17 J 1933 (previously described) ----	38 59 35.53	94 37 48.28	5,070

4. FROM SEC. 1, T. 47 N., R. 33 W., WEST TO SEC. 4, T. 13 S., R. 25 E.  
(by R. R. Boswell, Jr., in 1933)

T T 21 T 1933 (previously described) ----	38 55 22.75	94 30 31.36	.....
Hickman Mills, intersection of Lees Summit and Orchard Roads ----	38 55 23.0	94 31 05.3	2,680
T. 47 N., R. 33 W., approximate quarter cor. between secs. 1 and 2, intersection of U.S. Highway 71 and Red Bridge Road ----	38 55 30.6	94 31 27.4	1,910
Intersection of Red Bridge and Grandview Roads --	38 55 32.3	94 31 53.9	2,100
Grandview Road at fence S. ----	38 55 43.3	94 32 11.2	1,770
Grandview Road at junction of rd. S. ----	38 55 45.6	94 32 27.6	1,310
Tps. 47 and 48 N., R. 33 W., approximate cor. secs. 2, 3, 34, and 35, Grandview Road at rd. W. and fence E. ----	38 55 55.2	94 32 27.4	970
T. 48 N., R. 33 W., near quarter cor. between secs. 34 and 35, 40 ft. S. and 35 ft. W. from T-rd. S., 7 ft. SW. of 16-in. walnut tree, in concrete post; standard tablet stamped "2 F 1933 964" ----	38 56 20.98	94 32 27.48	2,610
T. 48 N., R. 33 W., approximate center sec. 34, rd. at fence S. ----	38 56 22.8	94 33 00.4	2,610
Rd. at fence S. ----	38 56 24.0	94 33 28.2	2,200
Intersection of Jackson County Highway 1-E and Gault Road ----	38 56 29.9	94 33 40.2	1,120
Main track of Missouri Pacific R.R. at rd. crossing ----	38 56 25.5	94 34 04.4	1,970
T. 48 N., R. 33 W., approximate quarter cor. between secs. 32 and 33, rd. at fence line N. -	38 56 26.8	94 34 34.0	2,340
T. 48 N., R. 33 W., approximate center sec. 32, rd. at N.-S. fence ----	38 56 28.4	94 35 13.6	3,140
T. 48 N., R. 33 W., quarter cor. between secs. 31 and 32, 35 ft. S. and 35 ft. E. from intersection of Jackson County Highway 2-W and Weiland Road, 10 ft. S. and 12 ft. E. from telephone pole, in concrete post; standard tablet stamped "3 F 1933 816" ----	38 56 29.35	94 35 46.61	2,610
Rd. at old fence S. on Kans.-Mo. State line ----	38 56 31.2	94 36 28.5	3,320
T-rd. N. ----	38 56 31.8	94 37 11.0	3,560
T. 13 S., R. 25 E., cor. secs. 3, 4, 9, and 10, Mission Road at 103rd Street (previously described) ----	38 56 31.8	94 37 47.8	2,910

5. FROM SEC. 18, T. 47 N., R. 32 W., WEST BY WAY OF GRANDVIEW AND MARTIN CITY TO SEC. 27, T. 13 S., R. 25 E. (by R. R. Boswell, Jr. in 1933)

T T 20 T 1933 (In Harrisonville No. 2 quadrangle; see line 4.) ----	38 53 08.38	94 29 38.46	.. ..
T. 47 N., Rs. 32 and 33 W., approximate cor. secs. 13, 18, 19, and 24, High Grove Road at rd. S. ----	38 53 09.7	94 30 25.8	3,750
T. 47 N., R. 33 W., quarter cor. between secs. 13 and 24, High Grove Road at rd. S. ----	38 53 11.3	94 30 59.0	2,630
T. 47 N., R. 33 W., approximate cor. secs. 13, 14, 23, and 24, intersection of High Grove Road and U.S. Highway 71 ----	38 53 13.3	94 31 32.1	2,620
Grandview, intersection of High Grove Road and street N. ----	38 53 15.1	94 32 05.5	2,650
T. 47 N., R. 33 W., near cor. secs. 14, 15, 22, and 23, about 0.1 mi. W. of Grandview, 30 ft. S. and 60 ft. W. from junction of rd. SW., 15 ft. SW. of concrete corner fence post, in concrete post; standard tablet stamped "T T 26 B0 1933 1035" ----	38 53 16.36	94 32 36.39	2,450
Rd. at fence E. ----	38 53 03.3	94 32 53.8	1,910
Rd. at N.-S. fence ----	38 52 39.3	94 33 14.6	2,930
T. 47 N., R. 33 W., approximate cor. secs. 21, 22, 27, and 28, T-rd. S. ----	38 52 27.4	94 33 49.0	2,980

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 47 N., R. 33 W., approximate quarter cor. between secs. 21 and 28, rd. at N.-S. fence ---	38 52 28.6	94 34 22.6	2,661
Rd. at fence N. on line between secs. 20 and 21, T. 47 N., R. 33 W. -----	38 52 32.0	94 34 55.9	2,650
Jackson County Highway 1-W at rd. E. -----	38 52 30.8	94 35 12.5	1,320
Jackson County Highway 1-W at rd. W. -----	38 52 43.6	94 35 11.9	1,290
Martin City, near E. edge of, 45 ft. N. and 40 ft. W. from intersection of Jackson County Highways 13-S (Olathe-Martin City Road) and 1-W (Holmes Street), in SE. corner of churchyard, in concrete post; standard tablet stamped "1 P 1933 885" -----	38 52 57.13	94 35 11.27	1,370
Olathe-Martin City Road at rd. N. -----	38 52 58.6	94 35 44.2	2,600
Olathe-Martin City Road at fence S. on Kans.-Mo. State line -----	38 53 01.8	94 36 22.2	3,500
Olathe-Martin City Road at fence N. -----	38 53 01.8	94 36 59.0	2,430
Olathe-Martin City Road at N.-S. fence -----	38 53 01.7	94 37 32.5	2,650
20 J 1933 (previously described) -----	38 53 01.87	94 37 49.65	1,360

6. FROM HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 6, T. 46 N., R. 32 W.,  
WEST TO SEC. 10, T. 46 N., R. 33 W. (by L. D. Pike in 1933)  
(Continued from Harrisonville No. 2 quadrangle; see line 9.)

T. 46 N., R. 32 W., quarter cor. between secs. 6 and 7, T-rd. N. -----	38 49 39.9	94 30 01.0	(2,640)
T. 46 N., R. 32 W., W. cor. secs. 6 and 7, rd. corner from E.-S., 102 ft. N. of T-rd. W. at E. cor. secs. 1 and 12, T. 46 N., R. 33 W. ----	38 49 41.8	94 30 40.2	3,110
T. 46 N., R. 33 W., E. quarter cor. sec. 12, rd. at fence W. -----	38 49 14.6	94 30 41.7	2,760
T. 46 N., R. 32 and 33 W., W. cor. secs. 7 and 18, 53 ft. S. and 35 ft. E. from, 5 ft. N. and 35 ft. E. from E. cor. secs. 12 and 13, T. 46 N., R. 33 W., about 1 mi. E. of Belton, 33 ft. S. and 35 ft. E. from U.S. Highway 71 at N.-S. crossroad, in concrete post; standard tablet stamped "T 2 P 1933" -----	38 48 48.53	94 30 42.79	2,640
T. 46 N., R. 33 W., cor. secs. 11, 12, 13, and 14, U.S. Highway 71 at fence N. -----	38 48 51.9	94 31 44.0	4,860
Belton, top of water tower at -----	38 48 38.3	94 31 52.5	1,530
T. 46 N., R. 33 W., cor. secs. 10, 11, 14, and 15, rd. at fence S. -----	38 48 55.8	94 32 53.2	5,120
T. 46 N., R. 33 W., quarter cor. between secs. 10 and 15, rd. at hedge fence N. and fence S. ----	38 48 57.8	94 33 26.3	2,630
Berry triangulation sta.; U.S.C. & G.S. standard disk stamped "Berry" -----	38 49 14.14	94 33 33.70	1,760

7. FROM OLATHE NO. 4 QUADRANGLE AT SEC. 6, T. 45 N., R. 33 W., NORTH  
AND EAST TO SEC. 10, T. 46 N., R. 33 W. (by W. V. Kennedy in 1934)  
(Continued from Olathe No. 4 quadrangle; see line 1.)

T-rd. W. on Kans.-Mo. State line, 255 ft. S. of W. quarter cor. sec. 6, T. 45 N., R. 33 W. ----	38 45 09.6	94 36 31.1	(2,430)
Tps. 45 and 46 N., R. 33 W., W. cor. secs. 6 and 31, T-rd. E. on Kans.-Mo. State line -----	38 45 38.0	94 36 30.6	2,870
T. 45 N., R. 33 W., N. quarter cor. sec. 5, rd. at fence S. -----	38 45 36.1	94 35 53.8	2,930
Jaudon, 50 ft. N. and 20 ft. E. from crossroads, 21 ft. N. and 3 ft. W. from fence corner, on property of Lanner Thorn, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 45 34.73	94 35 20.88	2,610
T. 46 N., R. 33 W., quarter cor. between secs. 32 and 33, rd. at fences E. and W. -----	38 46 00.6	94 35 19.2	2,620
T. 46 N., R. 33 W., cor. secs. 28, 29, 32, and 33, crossroads -----	38 46 26.7	94 35 17.4	2,650
Jaudon, 1.6 mi. N. of, on line between secs. 28 and 29, T. 46 N., R. 33 W., 33 ft. N. and 77 ft. E. from NE. corner of porch of Mount Pleasant School, 3 ft. E. of hedge fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 46 59.81	94 35 15.25	3,350
T. 46 N., R. 33 W., cor. secs. 20, 21, 26, and 29, crossroads -----	38 47 19.2	94 35 13.6	1,970
Jaudon, 2.2 mi. N. of, S. sixteenth cor. between secs. 20 and 21, T. 46 N., R. 33 W., 47 ft. N. and 81 ft. W. from NW. corner of farmhouse of B. F. Harris, 21 ft. E. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 47 32.41	94 35 12.31	1,340
T. 46 N., R. 33 W., quarter cor. between secs. 20 and 21, crossroads -----	38 47 45.5	94 35 11.8	1,325
T. 46 N., R. 33 W., cor. secs. 16, 17, 20, and 21, rd. at fence E. -----	38 48 11.7	94 35 10.2	2,655

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Jaudon, 3.5 mi. N. of, near quarter cor. between secs. 16 and 17, at top of high hill, 185 ft. N. and 18 ft. W. from rd. at hedge fence E., 2 ft. E. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet-	38 48 39.89	94 35 08.71	2,850
Jaudon, 3.8 mi. N. of, cor. secs. 8, 9, 16, and 17, T. 46 N., R. 33 W., 725 ft. S. of crossroads, 4 ft. S. and 2 ft. W. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 48 57.11	94 35 07.16	1,750
T. 46 N., R. 33 W., quarter cor. between secs. 9 and 16, rd. at fence N. -----	38 49 02.0	94 34 32.8	2,765
T. 46 N., R. 33 W., cor. secs. 9, 10, 15, and 16, crossroads -----	38 48 59.8	94 33 59.5	2,650
Berry triangulation sta. (previously described) -	38 49 14.14	94 33 33.70	2,500

8. FROM SEC. 27, T. 13 S., R. 25 E., SOUTH AND EAST TO SEC. 17, T. 46 N., R. 33 W. (by R. E. Keim in 1934)

20 J 1933 (previously described) -----	38 53 01.85	94 37 49.65	.....
Rd. at fences E. and W. -----	38 52 35.4	94 37 49.3	2,680
Tps. 13 and 14 S., R. 25 E., cor. secs. 3, 4, 33, and 34, crossroads -----	38 52 09.1	94 37 49.4	2,660
Rd. at fences E. and W. -----	38 51 43.5	94 37 49.2	2,590
T. 14 S., R. 25 E., in SW 1/4 SW 1/4 sec. 3, 87 ft. W. of SW. corner of S. porch of Blue Valley School, 27 ft. E. of N.-S. rd., 35 ft. N. of rd. E., 16 ft. S. of extended centerline of rd. W., in concrete post; U.S.C. & G.S. and State Survey standard tablet-	38 51 17.62	94 37 48.59	2,620
Rd. at fences E. and W. -----	38 50 51.0	94 37 48.9	2,700
T. 14 S., R. 25 E., cor. secs. 9, 10, 15, and 16, crossroads -----	38 50 24.7	94 37 49.0	2,650
Redel, center of rd. at main street -----	38 49 56.8	94 37 49.0	2,830
Blue River, center of Missouri Pacific R.R. bridge over -----	38 49 42.1	94 37 55.4	1,570
T-rd. E. -----	38 49 13.1	94 37 49.1	2,970
T. 14 S., R. 25 E., in sec. 22, 64 ft. E. of NE. corner of Woodland School, 76 ft. SE. of root of 24-in. elm tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet-	38 49 11.62	94 37 42.83	520
Rd. at fences N. and S. -----	38 49 06.1	94 37 15.8	2,210
T-rd. W. -----	38 49 06.2	94 36 42.1	2,670
T-rd. N. -----	38 48 40.0	94 36 42.1	2,650
T-rd. S. on Kans.-Mo. State line -----	38 48 39.9	94 36 28.6	1,070
T-rd. N. -----	38 48 38.4	94 35 52.9	2,830
T-rd. E. -----	38 48 59.2	94 35 52.9	2,110
U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 48 57.11	94 35 07.16	3,625

9. FROM JAUDON EAST INTO HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 30, T. 46 N., R. 32 W. (by R. E. Keim in 1934)

U.S.C. & G.S. and State Survey standard tablet (previously described) -----	38 45 34.73	94 35 20.88	.....
Jaudon, 0.5 mi. E. of, near quarter cor. between secs. 4 and 33, Tps. 45 and 46 N., R. 33 W., at top of hill, 20 ft. N. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 45 32.87	94 34 54.31	2,110
Jaudon, 2 mi. E. of, about 0.2 mi. S. of E. cor. secs. 3 and 34, Tps. 45 and 46 N., R. 33 W., 16 ft. N. and 24 ft. W. from T-rd. E., in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 45 14.15	94 33 08.51	8,590
T-rd. S. -----	38 45 10.5	94 32 01.8	5,300
Center of bridge over creek -----	38 45 08.8	94 31 35.3	2,110
T. 45 N., Rs. 32 and 33 W., about 0.2 mi. S. of N. cor. secs. 1 and 6, 17 ft. N. and 12 ft. E. from T-rd. W., in concrete post; U.S.C. & G.S. and State Survey standard tablet -----	38 45 06.39	94 30 54.80	3,210
Tps. 45 and 46 N., Rs. 32 and 33 W., cor. secs. 1, 6, 31, and 36 -----	38 45 19.7	94 30 54.4	1,340
T. 46 N., Rs. 32 and 33 W., cor. secs. 25, 30, 31, and 36, T-rd. E. -----	38 46 12.0	94 30 51.8	5,300
Center of bridge -----	38 46 11.5	94 30 39.9	940

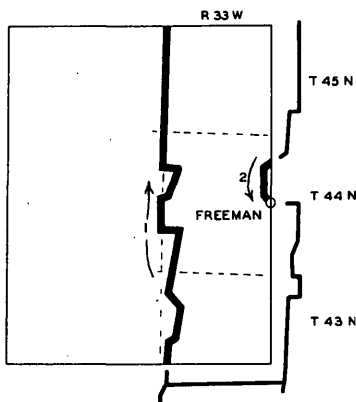
(Continued in Harrisonville No. 2 quadrangle; see line 11.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
10. FROM SEC. 18, T. 46 N., R. 32 W., EAST INTO HARRISONVILLE NO. 2 QUADRANGLE AT SEC. 18, T. 46 N., R. 32 W. (by W. A. Wheeler in 1934)			
T T 2 P 1933 (previously described) -----	38 48 48.53	94 30 42.79	.....
Belton, 1.5 mi. E. of, about 0.3 mi. E. of NW. cor. sec. 18, T. 46 N., R. 32 W., 26 ft. S. of U.S. Highway 71, in concrete post; U.S.C. & G.S. and State Survey standard tablet-	38 48 47.93	94 30 24.33	1,465
(Continued in Harrisonville No. 2 quadrangle; see line 12.)			

Magnetic declination 9° 13' E.

OLATHE NO. 4 QUADRANGLE\*  
(Latitude 38°30'-38°45'; longitude 94°30'-94°45')

Cass County



1. FROM AMORET QUADRANGLE AT SEC. 29, T. 43 N., R. 33 W., NORTH INTO  
OLATHE NO. 1 QUADRANGLE AT SEC. 6, T. 45 N., R. 33 W.  
(by W. V. Kennedy in 1934)  
(Continued from Amoret quadrangle; see line 2.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 43 N., R. 33 W., cor. secs. 19, 20, 29, and 30, rd. at fence W. -----	38 30 22.3	94 36 06.5	(2,630)
Rd. at hedge fences E. and W. -----	38 30 35.1	94 36 06.1	1,300
Rd. at hedge fences E. and W. -----	38 31 08.2	94 36 05.1	3,340
T. 43 N., R. 33 W., W. sixteenth cor. between secs. 17 and 20, T-rd. N. -----	38 31 13.8	94 35 48.2	1,460
T. 43 N., R. 33 W., W. sixteenth cor. sec. 17, rd. at fence W. -----	38 31 39.8	94 35 47.5	2,630
T. 43 N., R. 33 W., W. sixteenth cor. between secs. 8 and 17, 0.5 mi. S. of Coldwater School, 23 ft. S. and 24 ft. W. from T-rd. W., 4 ft. S. and 3 ft. W. from corner fence post, in concrete post; standard tablet stamped "420 C W A 1934" -----	38 32 05.65	94 35 46.98	2,610
T-rd. E. -----	38 32 30.0	94 35 45.8	2,470
T. 43 N., R. 33 W., quarter cor. between secs. 7 and 8, T-rd. E. -----	38 32 32.4	94 36 02.3	1,330
T. 43 N., R. 33 W., cor. secs. 5, 6, 7, and 8, crossroads -----	38 32 58.8	94 36 01.5	2,670
T. 43 N., R. 33 W., quarter cor. between secs. 5 and 6, rd. at fence W. -----	38 33 24.7	94 36 01.0	2,620
T. 44 N., R. 33 W., S. cor. secs. 31 and 32, 118 ft. N. and 23 ft. W. from T-rd. E., 118 ft. N. and 61 ft. E. from N. cor. secs. 5 and 6, T. 43 N., R. 33 W., 2 ft. W. of fence, in concrete post; standard tablet stamped "425 C W A 1934" -----	38 33 56.74	94 35 58.97	3,250
T. 44 N., R. 33 W., quarter cor. between secs. 31 and 32, rd. at hedge fences E. and W. -----	38 34 21.5	94 35 57.5	2,510
T. 44 N., R. 33 W., cor. secs. 29, 30, 31, and 32, T-rd. S. -----	38 34 47.5	94 35 56.3	2,630

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

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T-rd. N. -----	38 34 47.1	94 35 38.8	1,390
T. 44 N., R. 33 W., W. sixteenth cor. sec. 29, rd. at fence E. -----	38 35 14.2	94 35 37.0	2,740
West Line, 2.4 mi. S. of, in SW 1/4 sec. 20, T. 44 N., R. 33 W., 21 ft. N. and 24 ft. W. from T-rd. W., 1 ft. N. and 1 ft. W. from fence corner, in concrete post; standard tablet stamped "427 C W A 1934" -----	38 35 51.93	94 35 36.02	3,820
Kansas City Southern Ry. at rd. crossing -----	38 35 53.3	94 36 09.6	2,670
T-rd. E. -----	38 35 53.9	94 36 26.2	1,330
T. 44 N., R. 33 W., W. sixteenth cor. between secs. 18 and 19, rd. at fence E. -----	38 36 19.5	94 36 25.1	2,590
Kans.-Mo. State line at rd. corner -----	38 36 33.1	94 36 41.4	1,890
Rd. at fence E. on Kans.-Mo. State line -----	38 36 59.2	94 36 41.1	2,640
T-rd. W. on Kans.-Mo. State line -----	38 37 15.2	94 36 40.9	1,415
West Line, 1.5 mi. SW. of, along West Line- Louisburg rd., W. cor. secs. 7 and 18, T. 44 N., R. 33 W., 94 ft. S. and 24 ft. E. from T-rd. E., 6 ft. S. and 4 ft. E. from center of double telegraph poles, in concrete post; standard tablet stamped "424 C W A 1934" -----	38 37 24.52	94 36 40.49	1,145
Kansas City Southern Ry. at E.-W. rd. crossing -----	38 37 24.2	94 36 05.9	2,740
Kansas City Southern Ry. at fence E. -----	38 37 43.2	94 35 48.4	2,370
Kansas City Southern Ry. at center of creek -----	38 38 01.0	94 35 35.6	2,070
Kansas City Southern Ry. trestle A-42 over rd. --	38 38 15.2	94 35 35.5	1,435
Pony Creek, center of bridge over -----	38 38 15.7	94 35 52.8	1,375
T. 44 N., R. 33 W., W. cor. secs. 6 and 7, on Kans.-Mo. State line, 33 ft. S. and 21 ft. E. from T-rd. E., 10 ft. S. and 2 ft. E. from corner of hedge fence, in concrete post; standard tablet stamped "426 C W A 1934" -----	38 38 17.20	94 36 39.41	3,700
Center of low-water bridge -----	38 38 36.6	94 36 39.2	1,960
T-rd. E. on Kans.-Mo. State line, 1 mi. N. of W. cor. secs. 6 and 7, T. 44 N., R. 33 W. -----	38 39 09.5	94 36 38.4	3,330
T-rd. W. on Kans.-Mo. State line -----	38 39 49.6	94 36 37.8	4,060
T. 44 N., R. 33 W., NW. cor. sec. 6, on Kans.-Mo. State line, T-rd. E. -----	38 40 21.4	94 36 37.3	3,220
Cleveland, 1 mi. W. of, W. quarter cor. sec. 32, T. 45 N., R. 33 W., on Kans.-Mo. State line, 42 ft. S. and 26 ft. E. from T-rd. E., 4 ft. SE. of fence, in concrete post; standard tablet stamped "423 C W A 1934" -----	38 40 47.81	94 36 36.42	2,670
T. 45 N., R. 33 W., W. cor. secs. 29 and 32, on Kans.-Mo. State line, rd. at fence E. -----	38 41 14.7	94 36 36.1	2,720
T-rd. W. on Kans.-Mo. State line -----	38 41 40.1	94 36 35.6	2,570
T-rd. E. on Kans.-Mo. State line -----	38 42 19.7	94 36 34.8	4,010
T. 45 N., R. 33 W., W. quarter cor. sec. 20, on Kans.-Mo. State line, T-rd. W. at fence E. -----	38 42 32.6	94 36 34.4	1,300
T. 45 N., R. 33 W., W. quarter cor. sec. 17, on Kans.-Mo. State line, 21 ft. N. and 23 ft. E. from T-rd. E., 4 ft. N. and 4 ft. E. from corner of hedge, in concrete post; standard tablet stamped "429 C W A 1934" -----	38 43 26.03	94 36 33.09	5,410
T. 45 N., R. 33 W., W. cor. secs. 8 and 17, on Kans.-Mo. State line, rd. at fence E. -----	38 43 52.3	94 36 32.8	2,660
T-rd. W. on Kans.-Mo. State line -----	38 44 17.2	94 36 32.0	2,515
T. 45 N., R. 33 W., W. cor. secs. 5 and 8, on Kans.-Mo. State line, rd. at fence E. -----	38 44 45.6	94 36 31.6	2,880

(Continued in Olathe No. 1 quadrangle; see line 7.)

2. FROM HARRISONVILLE QUADRANGLE AT SEC. 7, T. 44 N., R. 32 W., SOUTH INTO  
HARRISONVILLE QUADRANGLE AT FREEMAN (by S. T. Tudor in 1934)  
(Continued from Harrisonville quadrangle; see line 2.)

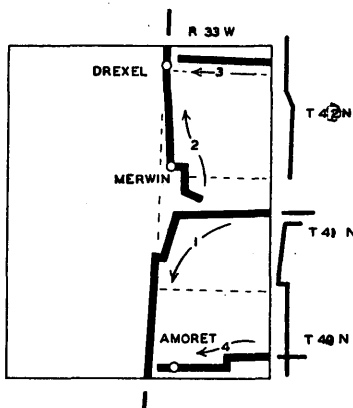
T-rd. W. -----	38 37 56.9	94 30 16.3	(1,700)
Freeman, County Route E at rd. N. -----	38 37 02.6	94 30 14.8	5,490

(Continued in Harrisonville quadrangle; see line 2.)

Magnetic declination 9° 05' E.

AMORET QUADRANGLE\*  
(Latitude 38°15'-38°30'; longitude 94°30'-94°45')

Bates and Cass Counties



1. FROM ADRIAN QUADRANGLE AT SEC. 18, T. 41 N., R. 32 W., WEST TO SEC. 8, T. 41 N., R. 33 W., THENCE SOUTHWEST BY WAY OF AMSTERDAM AND SOUTH ALONG KANSAS-MISSOURI STATE LINE INTO HUME QUADRANGLE AT SEC. 30, T. 40 N., R. 33 W. (by W. V. Kennedy in 1934)  
(Continued from Adrian quadrangle; see line 9.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
T. 41 N., R. 32 W., quarter cor. between secs. 7 and 18, rd. at fence N. -----	38 22 07.1	94 30 08.6	(2,645)
T. 41 N., R. 32 and 33 W., cor. secs. 7, 12, 13, and 18, 18 ft. S. and 24 ft. E. from T-rd. W., 27 ft. S. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "441 C W A 1934 866" -----	38 22 07.55	94 30 38.05	2,340
T. 41 N., R. 33 W., quarter cor. between secs. 12 and 13, rd. at fences N. and S. -----	38 22 08.7	94 31 12.4	2,740
T. 41 N., R. 33 W., cor. secs. 11, 12, 13, and 14, crossroads -----	38 22 09.4	94 31 44.3	2,540
T. 41 N., R. 33 W., quarter cor. between secs. 11 and 14, rd. at fence N. -----	38 22 10.4	94 31 16.2	2,550
T. 41 N., R. 33 W., cor. secs. 10, 11, 14, and 15, crossroads -----	38 22 11.4	94 32 51.0	2,770
T. 41 N., R. 33 W., quarter cor. between secs. 10 and 15, rd. at fences N. and S. -----	38 22 12.2	94 33 24.1	2,640
T. 41 N., R. 33 W., cor. secs. 9, 10, 15, and 16, 28 ft. S. and 20 ft. W. from T-rd. S., 2 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "231 C W A 1934 884" -----	38 22 12.67	94 33 57.37	2,650
T. 41 N., R. 33 W., quarter cor. between secs. 9 and 16, rd. at fences N. and S. -----	38 22 13.6	94 34 30.1	2,610
T-rd. S. -----	38 22 14.3	94 35 01.0	2,460
T. 41 N., R. 33 W., near E. sixteenth cor. sec. 8 -----	38 22 40.6	94 35 18.5	3,000
T. 41 N., R. 33 W., N. sixteenth cor. sec. 17, rd. at hedge fences E. and W. -----	38 22 02.9	94 35 36.7	4,080
T. 41 N., R. 33 W., S. sixteenth cor. sec. 17, 26 ft. N. and 18 ft. W. from T-rd. W., 2 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "410 C W A 1934 913" -----	38 21 40.34	94 35 37.27	2,280
T-rd. S. -----	38 21 22.8	94 35 30.4	1,860
Amsterdam, T-rd. S. at -----	38 21 06.2	94 35 25.8	1,720
T. 41 N., R. 33 W., quarter cor. between secs. 20 and 29, T-rd. N. -----	38 20 31.0	94 35 39.6	3,730
T. 41 N., R. 33 W., cor. secs. 19, 20, 29, and 30, rd. at fences N. and S. -----	38 20 31.6	94 36 12.8	2,650
T. 41 N., R. 33 W., W. cor. secs. 19 and 30, 25 ft. N. and 126 ft. E. from T-rd. E. on Kans.-Mo. State line, 2 ft. N. and 3 ft. W. from telephone pole, in concrete post; standard tablet stamped "316 C W A 1934 896" -----	38 20 32.57	94 36 44.83	2,560
T. 41 N., R. 33 W., approximate W. cor. secs. 30 and 31, on Kans.-Mo. State line, T-rd. E. -----	38 19 40.6	94 36 46.0	5,255

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



Station	Latitude	Longitude	Distance
Kans.-Mo. State line at T-rd. W. -----	38 18 57.7	94 36 45.8	Feet 4,340
Tps. 40 and 41 N., R. 33 W., approximate W. cor. secs. 6 and 31, on Kans.-Mo. State line, T-rd. E. -----	38 18 48.4	94 36 45.7	940
T. 40 N., R. 33 W., W. quarter cor. sec. 6, on Kans.-Mo. State line, rd. at fence E. -----	38 18 22.7	94 36 45.5	2,600
T. 40 N., R. 33 W., near SW. cor. sec. 6, 35 ft. N. and 18 ft. E. from T-rd. W. on Kans.-Mo. State line, 2 ft. E. of fence, in concrete post; standard tablet stamped "301 C W A 1934 875" -----	38 18 05.53	94 36 45.13	1,740
T. 40 N., R. 33 W., W. cor. secs. 6 and 7, on Kans.-Mo. State line, T-rd. E. -----	38 17 55.4	94 36 45.3	1,030
T. 40 N., R. 33 W., W. cor. secs. 7 and 18, on Kans.-Mo. State line, T-rd. E. -----	38 17 04.3	94 36 45.1	5,160
T. 40 N., R. 33 W., W. cor. secs. 18 and 19, on Kans.-Mo. State line, T-rd. E. -----	38 16 14.3	94 36 44.8	5,060
T. 40 N., R. 33 W., in S $\frac{1}{2}$ sec. 19, 60 ft. N. and 29 ft. E. from State Highway 52 at cross- road on Kans.-Mo. State line, 3 ft. N. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "315 C W A 1934 825" -	38 15 24.67	94 36 44.31	5,020

(Continued in Hume quadrangle; see line 1.)

2. FROM SEC. 16, T. 41 N., R. 33 W., NORTHWEST BY WAY OF MERWIN AND  
NORTH ALONG ROADS ON OR NEAR KANSAS-MISSOURI STATE LINE INTO  
OLATHE NO. 4 QUADRANGLE AT SEC. 29, T. 43 N., R. 33 W.  
(by W. V. Kennedy in 1934)

231 C W A 1934 884 (previously described) -----	38 22 12.67	94 33 57.37	.....
Kansas City Southern Ry. at rd. crossing -----	38 22 14.4	94 35 01.6	5,120
Kansas City Southern Ry. at fence W. -----	38 22 45.9	94 34 56.2	3,220
Kansas City Southern Ry. at E.-W. rd. crossing near cor. secs. 4, 5, 8, and 9, T. 41 N., R. 33 W. -----	38 23 06.3	94 34 58.1	2,065
Rd. corner, 60 ft. S. of center of bridge -----	38 23 19.1	94 35 17.0	1,990
T-rd. W. -----	38 23 45.8	94 35 16.1	2,700
T-rd. W. -----	38 24 02.2	94 35 16.2	1,655
Main track of Kansas City Southern Ry. at N.-S. rd. crossing -----	38 24 09.5	94 35 15.9	735
Merwin, 164 ft. SE. of Kansas City Southern Ry. sta., 32 ft. S. of main track at rd. crossing, 15 ft. S. and 5 ft. E. from semaphore, in concrete post; standard tablet stamped "421 C W A 1934" -----	38 24 20.31	94 35 22.95	1,230
T. 42 N., R. 33 W., approximate quarter cor. between secs. 31 and 32, T-rd. N. and private rd. S. to Olson Lodge -----	38 24 25.2	94 36 04.6	3,355
T. 42 N., R. 33 W., W. quarter cor. sec. 31, on Kans.-Mo. State line, T-rd. E. -----	38 24 26.0	94 36 47.4	3,400
T. 42 N., R. 33 W., W. cor. secs. 30 and 31, on Kans.-Mo. State line, rd. at fence E. -----	38 24 52.1	94 36 47.4	2,640
T-rd. W. on Kans.-Mo. State line -----	38 25 04.7	94 36 47.5	1,270
T. 42 N., R. 33 W., near W. cor. secs. 19 and 30, 24 ft. S. and 21 ft. E. from T-rd. E. on Kans.-Mo. State line, 4 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "419 C W A 1934" -----	38 25 44.31	94 36 47.32	4,010
T. 42 N., R. 33 W., W. quarter cor. sec. 19, on Kans.-Mo. State line, rd. at fence E. -----	38 26 10.4	94 36 47.0	2,640
T. 42 N., R. 33 W., W. cor. secs. 18 and 19, on Kans.-Mo. State line, T-rd. E. -----	38 26 36.7	94 36 46.8	2,655
T-rd. W. on Kans.-Mo. State line -----	38 26 48.4	94 36 46.9	1,185
T-rd. W. on Kans.-Mo. State line -----	38 27 14.2	94 36 47.3	2,615
T-rd. W. on Kans.-Mo. State line -----	38 27 40.2	94 36 47.1	2,625
Sugar Creek, center of bridge over -----	38 27 52.2	94 36 46.8	1,220
Crossroads on Kans.-Mo. State line -----	38 28 32.4	94 36 46.0	4,060
Drexel, 188 ft. E. from Kans.-Mo. State line, 34 ft. N. and 24 ft. W. from crossroads on Bates-Cass county line, 2 ft. E. of fence, in concrete post; standard tablet stamped "418 C W A 1934" -----	38 28 39.71	94 36 43.52	770
T-rd. E. -----	38 28 53.5	94 36 43.0	1,390
T-rd. W. -----	38 29 24.6	94 36 45.0	3,150
Kansas City Southern Ry. at rd. crossing -----	38 29 30.6	94 36 26.6	1,585
Drexel, 0.5 mi. N. of, cor. secs. 29, 30, 31, and 32, T. 43 N., R. 33 W., 41 ft. N. and 35 ft. W. from County Route A at rd. N., 4 ft. S. of fence, in concrete post; standard tablet stamped "422 C W A 1934" -----	38 29 30.62	94 36 08.57	1,430
T. 43 N., R. 33 W., quarter cor. between secs. 29 and 30, rd. at fences E. and W. -----	38 29 56.3	94 36 07.4	2,600

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

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
3. FROM ADRIAN QUADRANGLE WEST ALONG COUNTY ROUTE A TO VICINITY OF DREXEL (by C. E. Wyrick in 1934) (Continued from Adrian quadrangle; see line 5.)			
T. 43 N., R. 32 W., approximate quarter cor. between secs. 30 and 31, highway at hedge fences N. and S. -----	38 29 23.7	94 30 05.0	(2,660)
T. 43 N., R. 32 and 33 W., approximate cor. secs. 25, 30, 31, and 36, crossroad -----	38 29 24.3	94 30 38.0	2,630
T. 43 N., R. 33 W., approximate quarter cor. between secs. 25 and 36, highway at hedge fences N. and S. -----	38 29 24.8	94 31 11.4	2,650
T. 43 N., R. 33 W., approximate cor. secs. 25, 26, 35, and 36, crossroad -----	38 29 25.2	94 31 44.7	2,650
T. 43 N., R. 33 W., quarter cor. between secs. 26 and 35, highway at hedge fences N. and S. -----	38 29 25.5	94 32 17.4	2,600
T. 43 N., R. 33 W., cor. secs. 26, 27, 34, and 35, 36 ft. N. and 38 ft. W. from County Route A at crossroad, in concrete post; standard tablet stamped "T T 1119 W 1934" -----	38 29 26.22	94 32 50.91	2,660
T. 43 N., R. 33 W., quarter cor. between secs. 27 and 34, highway at fence S. -----	38 29 26.3	94 33 23.2	2,570
T. 43 N., R. 33 W., approximate cor. secs. 27, 28, 33, and 34, crossroad -----	38 29 26.8	94 33 56.0	2,610
T. 43 N., R. 33 W., quarter cor. between secs. 28 and 33, highway at hedge fence S. -----	38 29 27.5	94 34 29.2	2,640
T. 43 N., R. 33 W., approximate cor. secs. 28, 29, 32, and 33, crossroad -----	38 29 28.2	94 35 02.1	2,610
T. 43 N., R. 33 W., quarter cor. between secs. 29 and 32, junction of rd. N. -----	38 29 29.2	94 35 35.1	2,630
422 C W A 1934 (previously described) -----	38 29 30.62	94 36 08.57	2,660

4. FROM ADRIAN QUADRANGLE WEST ALONG STATE HIGHWAY 52 TO KANSAS-MISSOURI  
STATE LINE (by C. E. Wyrick in 1934)  
(Continued from Adrian quadrangle; see line 8.)

T. 40 N., R. 32 W., quarter cor. between secs. 18 and 19, highway at fence S. -----	38 16 02.5	94 30 17.0	(2,836)
T. 40 N., R. 32 and 33 W., cor. secs. 13, 18, 19, and 24, junction of rd. S. -----	38 16 03.4	94 30 50.3	2,661
T. 40 N., R. 33 W., quarter cor. between secs. 13 and 24, highway at fence N. -----	38 16 04.1	94 31 23.3	2,630
T. 40 N., R. 33 W., cor. secs. 13, 14, 23, and 24, highway corner at junction of rds. W. and N. -----	38 16 04.8	94 31 56.1	2,616
T. 40 N., R. 33 W., quarter cor. between secs. 23 and 24, highway at fences E. and W. -----	38 15 38.8	94 31 57.0	2,631
Amoret, 3 mi. E. of, 850 ft. W. of crossroads at cor. secs. 23, 24, 25, and 26, T. 40 N., R. 33 W., 45 ft. N. of highway at W. end of curve from W.-N., 3 ft. S. of right-of-way fence, in concrete post; standard tablet stamped "T T 1123 W 1934" -----	38 15 13.53	94 32 08.56	2,713
T. 40 N., R. 33 W., quarter cor. between secs. 23 and 26, highway at fences N. and S. -----	38 15 13.7	94 32 31.0	1,788
T. 40 N., R. 33 W., cor. secs. 22, 23, 26, and 27, junction of rd. N. -----	38 15 14.6	94 33 03.9	2,630
T. 40 N., R. 33 W., quarter cor. between secs. 22 and 27, junction of rd. S. -----	38 15 15.5	94 33 36.5	2,601
T. 40 N., R. 33 W., cor. secs. 21, 22, 27, and 28, crossroad -----	38 15 16.4	94 34 09.6	2,641
T. 40 N., R. 33 W., quarter cor. between secs. 21 and 28, highway at fences N. and S. -----	38 15 17.3	94 34 42.8	2,651
Amoret, at E. limits of, 45 ft. S. and 78 ft. W. from rd. junction, in bottom concrete step of First Christian Church; standard tablet stamped "T T 1124 W 1934" -----	38 15 17.47	94 35 07.25	1,948
T. 40 N., R. 33 W., quarter cor. between secs. 20 and 29, highway at hedge fence N. -----	38 15 19.1	94 35 48.8	3,315
T. 40 N., R. 33 W., cor. secs. 19, 20, 29, and 30, highway at fence N. -----	38 15 19.9	94 36 21.7	2,629
315 C W A 1934 825 (previously described) -----	38 15 24.67	94 36 44.31	1,865

TIE BETWEEN U.S.C. & G.S. TRIANGULATION STATION AND U.S.G.S. THIRD-ORDER  
LINE AT MERWIN (not shown on diagram; by T. A. Magee in 1935)

Merwin triangulation sta.; U.S.C. & G.S. standard disk stamped "Merwin" -----	38 24 18.90	94 36 46.97	.....
421 C W A 1934 (previously described) -----	38 24 20.31	94 35 22.95	6,690

Magnetic declination 7° 52' E.



Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Tps. 38 and 39 N., R. 33 W., W. cor. secs. 6 and 31, on Kans.-Mo. State line, rd. at fence E. -----	38 07 04.9	94 36 48.7	2,230
T-rd. W. on Kans.-Mo. State line -----	38 06 35.7	94 36 48.8	2,950
T. 38 N., R. 33 W., W. cor. secs. 6 and 7, 23 ft. S. and 22 ft. E. from T-rd. E. on Kans.-Mo. State line, 3 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "287 C W A 1934 863" -----	38 06 13.00	94 36 48.66	2,300
T. 38 N., R. 33 W., W. cor. secs. 7 and 18, T-rd. E. on Kans.-Mo. State line -----	38 05 22.2	94 36 49.3	5,140
T-rd. W. on Kans.-Mo. State line, 320 ft. S. of fence E. at W. quarter cor. sec. 18, T. 38 N., R. 33 W. -----	38 04 51.4	94 36 49.2	3,120
T. 38 N., R. 33 W., W. cor. secs. 18 and 19, T-rd. E. on Kans.-Mo. State line -----	38 04 28.3	94 36 49.5	2,350
T. 38 N., R. 33 W., W. quarter cor. sec. 19, on Kans.-Mo. State line, rd. at fence E., 490 ft. N. of T-rd. W. -----	38 04 02.1	94 36 49.7	2,630
T. 38 N., R. 33 W., W. cor. secs. 19 and 30, on Bates-Vernon county line, 24 ft. S. and 20 ft. E. from rd. on Kans.-Mo. State line at right-of-way of rd. E. (rd. closed), 4 ft. S. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "314 C W A 1934 875" -----	38 03 35.80	94 36 49.45	2,660
T. 38 N., R. 33 W., W. quarter cor. sec. 30, on Kans.-Mo. State line, rd. at fence E., 475 ft. N. of rd. W. -----	38 03 09.8	94 36 49.7	2,630
T. 38 N., R. 33 W., W. cor. secs. 30 and 31, on Kans.-Mo. State line, T-rd. E., 475 ft. N. of hedge fence W. -----	38 02 43.7	94 36 49.8	2,640
T-rd. W. on Kans.-Mo. State line at E. corner of Bourbon and Linn Counties, Kans., 435 ft. S. of fence E. at W. quarter cor. sec. 31, T. 38 N., R. 33 W. -----	38 02 13.2	94 36 49.8	3,080
T. 37 N., R. 33 W., W. quarter cor. sec. 6, on Kans.-Mo. State line, rd. at fence E., 560 ft. N. of T-rd. W. -----	38 01 26.4	94 36 49.7	4,740
T. 37 N., R. 33 W., W. cor. secs. 6 and 7, on Kans.-Mo. State line, 22 ft. N. and 28 ft. E. from T-rd. E., 3 ft. N. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "304 C W A 1934 834" -----	38 01 00.42	94 36 49.34	2,627
Rd. at fence N. -----	38 00 59.3	94 36 13.1	2,900
T. 37 N., R. 33 W., cor. secs. 5, 6, 7, and 8, T-rd. S. at fence N. -----	38 00 58.6	94 35 35.8	2,990
Amos, main track of Kansas City Southern Ry. at rd. crossing -----	38 00 57.9	94 34 58.1	3,015
T-rd. W. -----	38 00 57.1	94 34 21.7	2,920
T. 37 N., R. 33 W., in NW 1/4 sec. 9, 27 ft. S. and 22 ft. E. from T-rd. S., 2 ft. S. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "289 C W A 1934 848" -----	38 00 43.88	94 34 12.61	1,520
T. 37 N., R. 33 W., center sec. 10, T-rd. E. -----	38 00 29.3	94 32 51.8	6,630
T. 37 N., R. 33 W., quarter cor. between secs. 10 and 11, rd. at fences N. and S. -----	38 00 28.4	94 32 18.6	2,660
Wolf School, 0.2 mi. E. of, center sec. 11, T. 37 N., R. 33 W., 34 ft. N. and 16 ft. W. from crossroads, in corner of field, in concrete post; standard tablet stamped "312 C W A 1934 817" -----	38 00 28.01	94 31 45.72	2,630
T. 37 N., R. 33 W., quarter cor. between secs. 11 and 12, rd. corner -----	38 00 26.9	94 31 12.5	2,660
T. 37 N., R. 33 W., cor. secs. 11, 12, 13, and 14, T-rd. E. -----	38 00 00.7	94 31 13.5	2,650
T. 37 N., R. 33 W., quarter cor. between secs. 12 and 13, T-rd. N. -----	37 59 59.5	94 30 40.7	2,630
T. 37 N., R. 33 W., E. cor. secs. 12 and 13, 33 ft. N. and 24 ft. W. from T-rd. W., 17 ft. N. and 24 ft. W. from T-rd. E. at W. cor. secs. 7 and 18, T. 37 N., R. 32 W., in concrete post; standard tablet stamped "T T 30 B 1933 823" -----	37 59 58.82	94 30 07.35	2,670

## 2. FROM SEC. 19, T. 38 N., R. 33 W., NORTHEAST TO HUME (by W. V. Kennedy in 1934)

T. 38 N., R. 33 W., W. cor. secs. 18 and 19, T-rd. E. on Kans.-Mo. State line (previously described) -----	38 04 28.3	94 36 49.5	.....
Rd. at fences N. and S. -----	38 04 27.8	94 36 16.1	2,675
T. 38 N., R. 33 W., cor. secs. 17, 18, 19, and 20, crossroads -----	38 04 26.8	94 35 26.4	3,970

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Kansas City Southern Ry. at switch for W. siding -----	38 04 48.4	94 35 17.4	2,300
Kansas City Southern Ry. at milepost marked "KCS 81" -----	38 05 10.3	94 35 16.3	2,220
Hume, at Kansas City Southern Ry. sta., center of main track at operator's window -----	38 05 24.6	94 35 14.3	1,450
Hume, in SE. corner of city park, 53 ft. N. and 53 ft. W. from First Street at County Highway A (East Hume Street), in concrete post; standard tablet stamped "290 C W A 1934" -----	38 05 24.58	94 34 56.98	1,385

3. FROM BUTLER NO. 3 QUADRANGLE AT FOSTER SOUTH AND EAST INTO BUTLER NO. 3  
QUADRANGLE AT SEC. 24, T. 39 N., R. 33 W. (by W. V. Kennedy in 1934)  
(Continued from Butler No. 3 quadrangle; see line 3.)

Foster, main street at N.-S. crossroad -----	38 10 05.4	94 30 26.5	(3,200)
T. 39 N., R. 33 W., quarter cor. between secs. 13 and 24, T-rd. E. at dim rd. W. -----	38 09 31.6	94 30 12.5	3,600
T. 39 N., R. 33 W., center sec. 24, rd. at fence E. -----	38 09 05.7	94 30 13.7	2,620
T. 39 N., R. 33 W., quarter cor. between secs. 24 and 25, 29 ft. S. and 12 ft. E. from T-rd. N., 5 ft. N. and 5 ft. E. from corner of hedge fence, in concrete post; standard tablet stamped "430 C W A 1934 851" -----	38 08 39.40	94 30 14.85	2,660

(Continued in Butler No. 3 quadrangle; see line 3.)

4. FROM AMOS SOUTH ALONG KANSAS CITY SOUTHERN RAILWAY INTO FORT SCOTT NO. 1  
QUADRANGLE (by W. V. Kennedy in 1934)\*

Amos, main track of R.R. at rd. crossing (previously described) -----	38 00 57.9	94 34 58.1	.....
R.R. at fence E. -----	38 00 31.7	94 34 53.4	2,674
R.R. at rd. crossing. -----	38 00 05.3	94 34 39.2	2,904
R.R. at rd. crossing -----	37 59 53.0	94 34 32.6	1,356

5. FROM BUTLER NO. 3 QUADRANGLE WEST ALONG COUNTY ROUTE A TO HUME  
(by C. E. Wyrick in 1934)  
(Continued from Butler No. 3 quadrangle; see line 7.)

T. 38 N., R. 33 W., quarter cor. between secs. 1 and 12, highway at fence S. -----	38 06 04.2	94 30 22.5	(2,610)
T. 38 N., R. 33 W., cor. secs. 1, 2, 11, and 12, crossroad -----	38 06 05.6	94 30 55.3	2,630
T. 38 N., R. 33 W., quarter cor. between secs. 2 and 11, highway at fences N. and S. -----	38 06 06.3	94 31 28.8	2,680
T. 38 N., R. 33 W., cor. secs. 2, 3, 10, and 11, crossroad -----	38 06 07.1	94 32 02.1	2,660
T. 38 N., R. 33 W., quarter cor. between secs. 3 and 10, highway at fences N. and S. -----	38 06 07.9	94 32 35.4	2,660
T. 38 N., R. 33 W., cor. secs. 3, 4, 9, and 10, crossroad -----	38 06 08.7	94 33 08.8	2,670
Hume, 2.2 mi. NE. of, about 0.3 mi. W. of cor. secs. 3, 4, 9, and 10, T. 38 N., R. 33 W., 12 ft. S. of highway, in center of upstream headwall of concrete culvert; standard tablet stamped "T T 1107 W 1934" -----	38 06 09.00	94 33 30.99	1,775
T. 38 N., R. 33 W., cor. secs. 4, 5, 8, and 9, crossroads -----	38 06 10.1	94 34 14.8	3,500
T. 38 N., R. 33 W., quarter cor. between secs. 8 and 9, highway at fences E. and W. -----	38 05 43.9	94 34 16.4	2,650
290 C W A 1934 (previously described) -----	38 05 24.58	94 34 56.98	3,790

TIE BETWEEN U.S.C. & G.S. TRIANGULATION STATION AND U.S.C.S. THIRD-ORDER LINE  
NEAR HUME (not shown on diagram; by T. A. Magee in 1935)

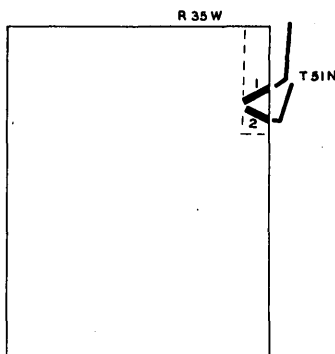
Ackerman triangulation sta.; U.S.C. & G.S. standard disk stamped "Ackerman" -----	38 05 16.93	94 36 32.03	.....
287 C W A 1934 863 (previously described) -----	38 06 13.00	94 36 48.66	5,827

Magnetic declination 7° 49' E.

\*Published also as a portion of line 4 of the Fort Scott No. 1 quadrangle  
(see Bull. 916-E).

BONNER SPRINGS QUADRANGLE\*  
(Latitude 39°00'-39°15'; longitude 94°45'-95°00')

Platte County



1. FROM ARMOURDALE QUADRANGLE AT SEC. 20, T. 51 N., R. 34 W., WEST TO  
POINT ABOUT 1 MILE SOUTHEAST OF WALDRON (by G. T. Hawkins in 1906)  
(Continued from Armourdale quadrangle; see line 1.)

Station	Latitude	Longitude	Distance
	° ' "	° ' "	Feet
Waldron triangulation sta. of M.R.C. -----**	39 12 49.46	94 46 31.35	(11,790)

2. FROM ARMOURDALE QUADRANGLE AT SEC. 31, T. 51 N., R. 34 W., WEST TO  
POINT ABOUT 1 MILE SOUTHEAST OF WALDRON (by R. R. Boswell, Jr. in 1933)  
(Continued from Armourdale quadrangle; see line 11.)

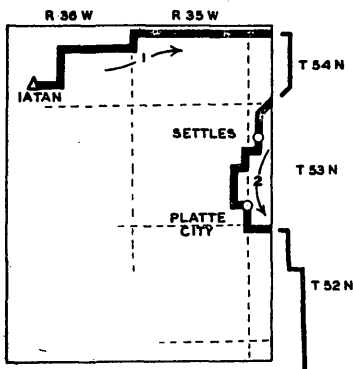
T. 51 N., R. 34 W., in NE 1/4 sec. 31, 300 ft. S. and 150 ft. E. from E. end of Chicago, Burlington & Quincy R.R. bridge, 45 ft. S. and 45 ft. E. from SE. corner of Shield dwelling, in concrete post; standard tablet stamped "T 23 BO 1933" -----	39 11 34.00	94 45 26.72	(2,165)
Center of bridge -----	39 11 47.1	94 45 32.2	1,395
Rd. S. -----	39 11 52.0	94 46 05.0	2,710
Rd. at E.-W. fence -----	39 12 05.9	94 46 17.2	1,460
Private rd. at gate -----	39 12 14.2	94 46 14.6	870
Waldron triangulation sta. (previously described) -----	39 12 49.46	94 46 31.35	3,800

Magnetic declination 8° 06' E.

\*The greater part of this quadrangle lies in Kansas.  
\*\*Missouri River Commission.

LEAVENWORTH QUADRANGLE\*  
(Latitude  $39^{\circ}15' - 39^{\circ}30'$ ; longitude  $94^{\circ}45' - 95^{\circ}00'$ )

## Platte County



1. FROM SEC. 29, T. 54 N., R. 36 W., EAST INTO SMITHVILLE QUADRANGLE AT SEC. 17, T. 54 N., R. 34 W. (by G. T. Hawkins in 1906)

Station	Latitude	Longitude	Distance
	" ' "	" ' "	Feet
Iatan triangulation sta.; U.S.C. & G.S. standard disk stamped "Iatan" -----	39 27 43.08	94 57 58.85	.....
T. 54 N., R. 36 W., N. quarter cor. sec. 22, T-rd. E. -----	39 28 58.2	94 55 41.3	13,194
T. 54 N., R. 36 W., NE. cor. sec. 23, crossroads -----	39 28 58.6	94 54 00.7	7,880
T. 54 N., R. 36 W., NE. cor. sec. 24, crossroads -----	39 28 59.8	94 52 52.6	5,342
T. 54 N., R. 36 W., NE. cor. sec. 13, T-rd. E. -----	39 29 51.9	94 52 51.8	5,292
T. 54 N., R. 35 W., 60 ft. SE. of NW. cor. sec. 18; iron post stamped "Prim Trav Sta No 1 1906" -----	39 29 51.40	94 52 51.17	75
T. 54 N., R. 35 W., NE. cor. sec. 17, crossroads -----	39 29 52.2	94 50 40.0	10,270
T. 54 N., R. 35 W., N. quarter cor. sec. 15, T-rd. S. -----	39 29 53.9	94 48 59.9	7,833
T. 54 N., R. 35 W., N. quarter cor. sec. 14, T-rd. E. -----	39 29 54.8	94 47 53.9	5,159
T. 54 N., R. 35 W., NE. cor. sec. 13 -----	39 29 56.7	94 46 11.8	7,983
T. 54 N., R. 34 W., NE. cor. sec. 18, T-rd. N. -----	39 29 56.6	94 45 02.6	5,440

(Continued in Smithville quadrangle; see line 1.)

2. FROM SMITHVILLE QUADRANGLE AT SEC. 5, T. 53 N.; R. 34 W., SOUTHWEST BY WAY OF SETTLES TO TRACY, THENCE SOUTHEAST BY WAY OF PLATTE CITY INTO SMITHVILLE QUADRANGLE AT SEC. 5, T. 52 N., R. 34 W. (by G. T. Hawkins in 1906)

(Continued from Smithville quadrangle; see line 1.)

T. 53 N., R. 34 W., NE. cor. sec. 7 -----	39 25 36.2	94 45 02.2	(5,659)
Settles, crossroads at E. quarter cor. sec. 18, T. 53 N., R. 34 W. -----	39 24 18.0	94 45 02.4	7,912
Tracy, 0.5 mi. N. of, cor. secs. 23, 24, 25, and 26, T. 53 N., R. 35 W. -----	39 24 03.8	94 46 45.6	8,221
Tracy, Chicago, Rock Island & Pacific Ry. at rd. crossing S. of sta. -----	39 22 30.9	94 47 32.0	10,076
Platte City, SE. corner of courthouse grounds -----	39 22 13.1	94 46 47.0	3,971
Platte City, 1.5 mi. SE. of, rd. junction near brick dwelling -----	39 21 14.3	94 45 49.9	7,455

(Continued in Smithville quadrangle; see line 1.)

TIE BETWEEN U.S.C. & G.S. TRIANGULATION STATION AND U.S.C.S. THIRD-ORDER LINE NEAR NORTHEAST CORNER OF QUADRANGLE (not shown on diagram; by T. A. Magee in 1935)

Mar triangulation sta.; U.S.C. & G.S. standard tablet stamped "Mar" -----	39 29 59.18	94 46 05.91	.....
T. 54 N., R. 35 W., NE. cor. sec. 13, approximate** -----	39 29 56.7	94 46 11.8	530

Magnetic declination  $8^{\circ} 30'$  E.

\*Part of this quadrangle lies in Kansas.

\*\*It was not definitely established that this station is the same as described for this location in line 1.