

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

Bulletin 889

SPIRIT LEVELING IN KANSAS
1896-1935

J. G. STAACK
Chief Topographic Engineer



UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1938

CONTENTS

	Page
Introduction.....	1
Scope of report.....	1
Classification of leveling.....	1
Adjustments.....	2
Benchmarks.....	2
Preservation and restoration of benchmarks.....	4
Datum.....	5
Index maps.....	5
Personnel.....	8
Third-order leveling.....	9
Supplemental elevation.....	66
Index.....	87

ILLUSTRATIONS

	Page
PLATE 1. Geological Survey benchmarks.....	2
FIGURE 1. Index map of eastern Kansas showing the quadrangles into which that section of the State has been divided and the routes followed by levelmen of the United States Geological Survey.....	6
2. Index map of western Kansas showing the quadrangles into which that section of the State has been divided and the routes followed by levelmen of the United States Geological Survey.....	7

SPIRIT LEVELING IN KANSAS, 1896-1935

J. G. STAACK, *Chief Topographic Engineer*

INTRODUCTION

Scope of report.—This bulletin contains the results of all spirit leveling in Kansas by the United States Geological Survey, including those heretofore published.¹ Descriptions of the points for which figures of elevation have been determined are listed according to the quadrangles in which the points occur, and the quadrangles are arranged alphabetically. (See p. 5.) Results of spirit leveling other than that done by the Geological Survey are not included.

Classification of leveling.—Spirit leveling is classified according to the degree of refinement in the instruments and methods used and according to the closure errors.

First-order leveling² consists of leveling done with the most improved instruments, all sections being leveled twice, in opposite directions, under varying conditions. Closures are not allowed to exceed the amount in feet represented by the formula

$$0.017\sqrt{\text{length of section in miles.}}$$

All corrections for rod error, temperature, and unbalanced sights are applied, as well as the orthometric corrections for convergence toward the poles of level surfaces of different elevations.

Second-order leveling, according to regulations of the United States Geological Survey, comprises lines leveled twice with reliable instruments, though not necessarily of the most improved type. Closures are not allowed to exceed $0.035\sqrt{\text{length of section in miles.}}$

Third-order leveling is made up of lines that are run, either with first-order equipment or with an engineer's wye level and rods of the New York type, in single-line circuits that are required to close within the limits, in feet, of $0.05\sqrt{\text{length of circuit in miles.}}$ This is equivalent to $0.071\sqrt{\text{length of section if the line is leveled twice.}}$

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

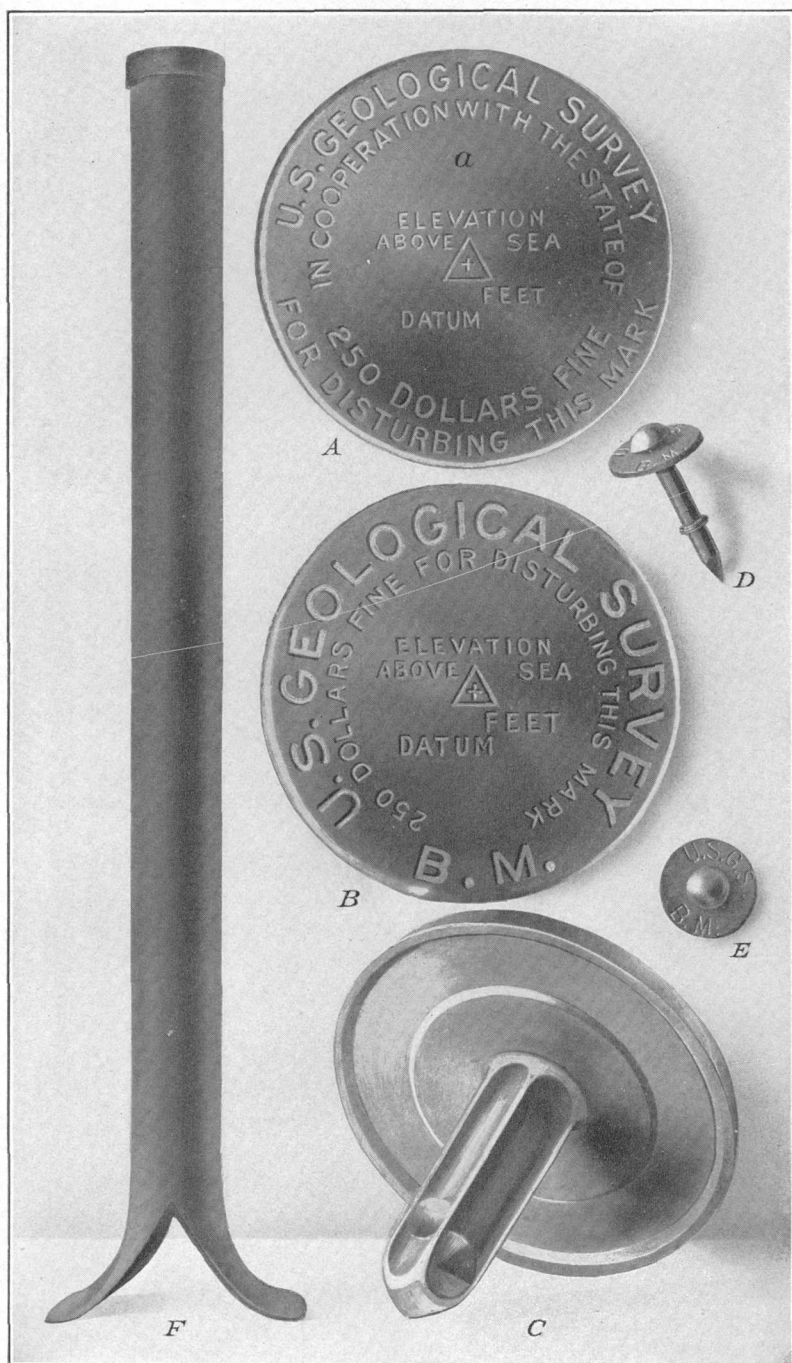
¹ For the results of spirit leveling in Kansas previously published see Triangulation and spirit leveling—Kansas: U. S. Geol. Survey 20th Ann. Rept., pt. 1, pp. 408-411, 1899; Results of spirit leveling, fiscal year 1900-1901—Missouri-Kansas: U. S. Geol. Survey Bull. 185, pp. 111-113, 1901; Results of spirit leveling in Kansas and Nebraska, 1896 to 1909, inclusive: U. S. Geol. Survey Bull. 473, pp. 8-22, 1911; Results of spirit leveling in Kansas from 1896 to 1913, inclusive: U. S. Geol. Survey Bull. 571, 47 pp., 1914.

² See Avers, H. G., Manual of first-order leveling: U. S. Coast and Geodetic Survey Special Pub. 140, 1929.

Adjustments.—The adjustment of a net of leveling begins with the first-order lines. Most of these lines in both the United States and Canada have already been combined in a general net, and the orthometric differences derived from the observed values by correction for the convergence of level planes toward the north have been adjusted to remove accidental closure errors by the mathematical method known as least squares. The latest adjustment of this kind was made in 1929 by the United States Coast and Geodetic Survey and is known as the "1929 general adjustment of first-order leveling." This adjustment included the first-order lines in Kansas, and the elevations thus derived are the fundamental references for elevations determined by second- and third-order nets. The third-order leveling of the United States Geological Survey in Kansas has been adjusted by determining weighted mean elevations for new junction points and prorating the errors of each link. The weights are taken as the reciprocals of lengths of links. The third-order net has thus been brought into agreement with the best information available for the results of the fundamental first-order leveling, although the published figures of elevation may be changed slightly by future adjustments of the level net.

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

The tablets are circular in shape, measure $3\frac{3}{8}$ inches in diameter, and taper from a thickness of three-eighths of an inch at the center to about a quarter of an inch near the rounded edge. During a short period in the earlier years of the Survey's leveling the tablets set were made of aluminum. The softness of this metal, however, made them susceptible to damage, so that aluminum as a material for tablets was soon discarded. The earliest tablets set and those now being placed are made of bronze, and bronze is the material now specified for standard tablets. Each tablet is cast with a 3-inch shank extending from the center of its reverse side, by means of which it is cemented in place, and each bears an inscription on its face. The inscriptions on the tablets already placed differ in many details, because of changes in design at various times. The face of every tablet, however, is cast with the words "U. S. Geological Survey", a cross at the center, which indicates the fiducial point for position or elevation, and the words



GEOLOGICAL SURVEY BENCHMARKS.

A and B, Standard tablets, principal benchmarks, used where masonry or rock is available to hold them. A is used in cooperating States; the State name is inserted at *a*. C, Under side of A and B, showing shank used to hold tablet in place. D and E, Two views of copper nail and copper washer, a supplementary benchmark, used for points lying between those marked by standard tablets. F, Standard iron post fitted with bronze cap similar in design to the standard tablet, formerly used where no rock or masonry was available; superseded by concrete post with tablet set in top.

"Elevation above sea." On some tablets the inscription indicates that they were set in connection with a project in which a State or other organization cooperated; on some the inscription includes a triangle, which signifies a located point, enclosing the cross at the center. Tablets bearing a triangle enclosing a cross may be used not only as benchmarks but also as triangulation- or traverse-station marks. 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.", "T. T.", as well as his own identifying letter or letters, the serial number of the station, and the year, using steel dies. If the tablet is set as a benchmark, the levelman stamps it with his identifying letter or letters, the serial number, and the year. He may at the same time stamp upon it with steel dies the figures of elevation to the nearest foot, or these figures may be added later. Tablets that serve as benchmarks may have been set as such, or they may have been set to mark traverse stations. Thus some of them serve a dual purpose, but each has stamped upon it the date and the identifying designation of only the engineer who established it.

The figures of elevation that appear on a tablet are usually those determined by field computation only. It is sometimes found, therefore, that they do not represent the latest information. This has happened either because they refer to some independent datum temporarily adopted before first-order trunk lines made standard datum available, or because a later adjustment made in the office has rendered necessary an appreciable change in the figures as determined in the field. It is assumed that engineers and others who require accurate figures of elevation for the marks will use those printed in a bulletin such as this one, instead of accepting the stamped figures. If the appropriate bulletin is not conveniently accessible, a request for the desired information may be addressed to the Director of the United States Geological Survey, 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 are generally set so as to project about 6 inches above ground and are made sufficiently long to reach below the frost line.

Antedating the concrete posts which are now constructed to hold the tablets, in places where masonry or rock is not available, are wrought-iron posts, to the tops of which are riveted bronze caps of similar design to the tablets. These iron posts measure 4 feet in length and $3\frac{1}{2}$ inches in outer diameter and are set about 3 feet in the ground. The bottom of the post spreads out to a width of about 10 inches in order to give it a firm footing in the earth. No iron posts have been set in recent years. They have proved impracticable, as they are easily disturbed and are subject to rust at the ground level, which eventually destroys them.

The third form of principal benchmark, set only in the early leveling, is a copper bolt, designed to be wedged into a drill hole in rock or masonry and perhaps further secured with lead or cement. This bolt measures 4 inches in length and 1 inch in diameter and has a slot at one end into which fits a brass wedge. The wedge serves to expand the bottom end of the bolt, so that after the bolt has been driven to almost its full length into the hole, it cannot be easily removed. The exposed end of the bolt bears an appropriate inscription, stamped upon it with steel dies. This inscription is made up of the letters "U S G S", the letters indicating the datum used, the abbreviation "Ft.", and the figures of elevation.

Supplementary benchmarks are of many kinds. One kind consists of a copper nail $1\frac{1}{2}$ inches long supplied with a copper washer seven-eighths of an inch in diameter, through which the nail is driven into the root of a tree or some timber structure or cemented into rock after bending the point. The designation "U S G S B M" is stamped on each washer, and on some washers the abbreviation of the name of the cooperating State is added. Another kind of supplementary benchmark is a chiseled square, used on the horizontal surface of rocks or masonry structures, or a chiseled cross, used on a vertical surface. Nails, track spikes, and small capped iron pipes also serve as supplementary benchmarks, and occasionally easily described and recognized points, such as doorsills and tops of hydrants, are so used.

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

Datum.—All elevations determined by the United States Geological Survey and those determined by the United States Coast and Geodetic Survey for inland mapping are referred to mean sea level, which is the level that the sea would assume if the influence of winds, tides, and currents were eliminated. This level is not the elevation determined from the mean of the highest and lowest tides, nor is it the half sum of the mean of all the high tides and the mean of all the low tides, which is called the half-tide level. *Mean sea level is the average height of the water, all stages of the tide being considered.* It is determined from observations made by means of tidal gages placed at stations where local conditions, such as those due to long, narrow bays, rivers, and like features, will not affect the height of the water. To obtain even approximately correct results these observations must extend over at least one lunar month, and if accuracy is desired they must extend over several years. At ocean stations the half-tide level and the mean sea level usually differ but little. It is assumed that there is no difference between the mean sea levels determined from observations made in the Atlantic Ocean, the Gulf of Mexico, and the Pacific Ocean.³

Index maps.—For convenience in representing the lines of leveling of the United States Geological Survey in Kansas, the State has been divided into three sections—eastern, central, and western. The accompanying index maps of the eastern and western sections (figs. 1 and 2) show the relative position of the quadrangle areas which make up these sections and which are of two sizes, designated 15-minute and 30-minute quadrangles. No map for the central section is included, because no leveling has been done by the United States Geological Survey in that section. A quadrangle is the unit of topographic survey adopted by the United States Geological Survey for dividing the area of the United States. Each of the 15-minute quadrangles measures 15 minutes in latitude by 15 minutes in longitude. Each of the 30-minute quadrangles measures 30 minutes in latitude by 30 minutes in longitude and is equal in area to four 15-minute quadrangles. Maps of many of the quadrangles in Kansas 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 of the United States Geological Survey, or in cash—the exact amount, at sender's risk. Postage stamps should not be sent. These maps are of nearly uniform size regardless of the size of the areas they represent, because they are drawn on different scales. For the Armourdale and Bonner Springs (15-minute) quadrangles there are no corresponding maps, but maps of subdivisions of

³ See Jones, E. L., *Hypsometry—Use of mean sea level as the datum for elevations*: U. S. Coast and Geodetic Survey Special Pub. 41, 1917; *Manual of tide observations*: U. S. Coast and Geodetic Survey Special Pub. 196, 1935.

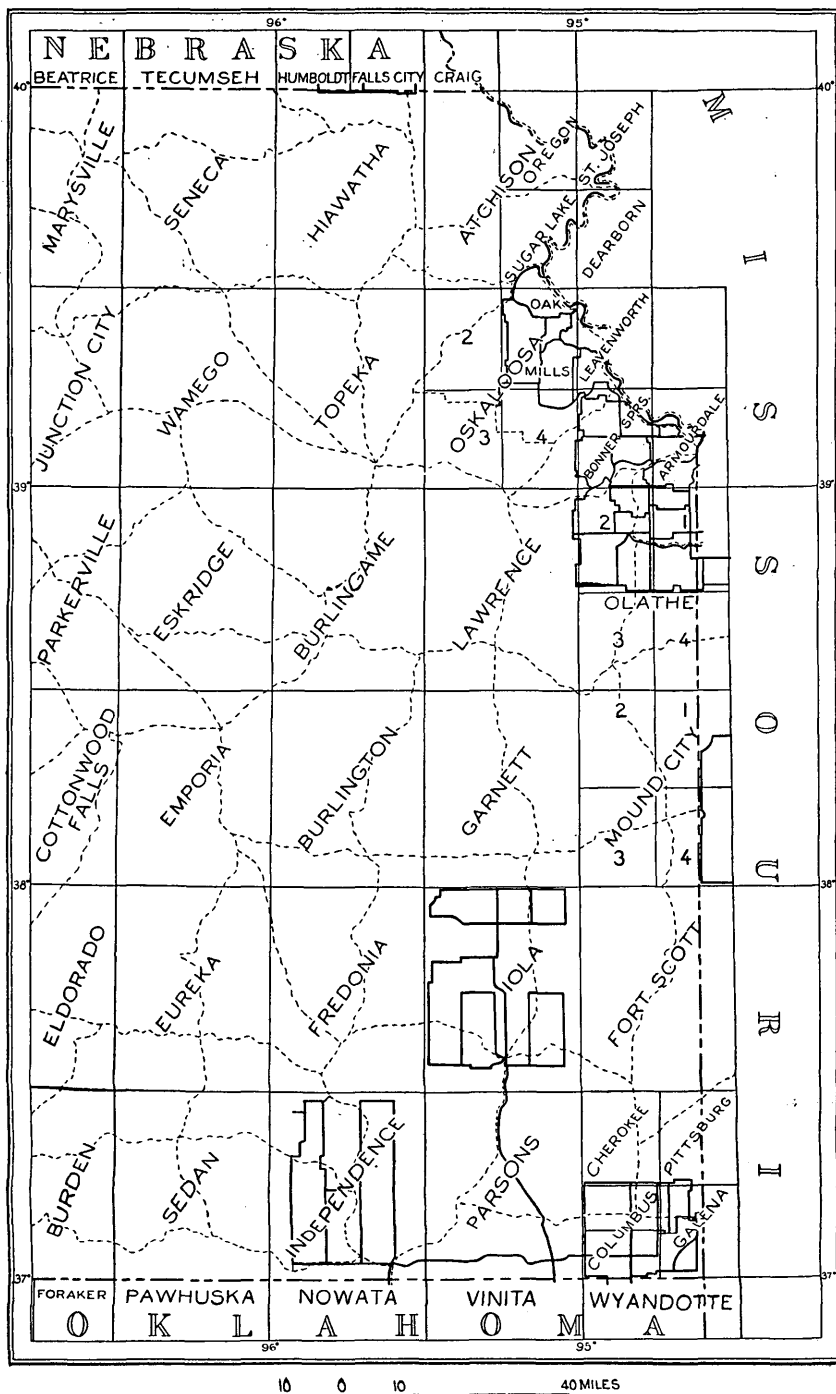


FIGURE 1.—Index map of eastern Kansas showing the quadrangles into which that section of the State has been divided. — United States Geological Survey lines of leveling; United States Coast and Geodetic Survey lines of leveling.

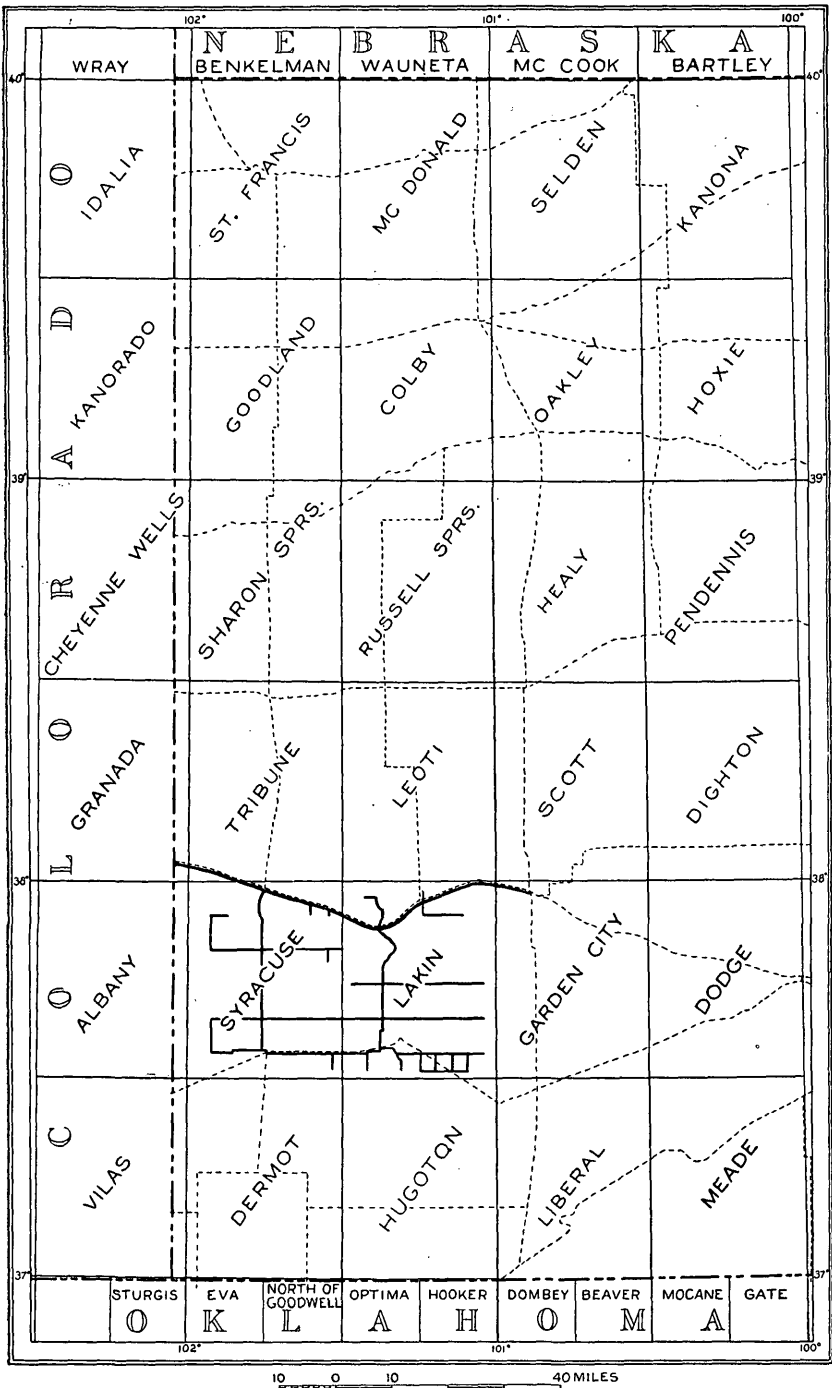


FIGURE 2.—Index map of western Kansas showing the quadrangles into which that section of the State has been divided. — United States Geological Survey lines of leveling; - - - United States Coast and Geodetic Survey lines of leveling.

these quadrangles are available. The Armourdale quadrangle is fully represented by maps of the four $7\frac{1}{2}$ -minute quadrangles into which it has been divided, and the east half of the Bonner Springs quadrangle is represented by maps of the two $7\frac{1}{2}$ -minute quadrangles which make up that half. The names of these $7\frac{1}{2}$ -minute quadrangles do not appear on the index map of eastern Kansas (fig. 1), but they are given in the footnotes that accompany the lists of benchmark descriptions for the Armourdale and Bonner Springs quadrangles. (See pp. 9 and 13.) The Mound City, Olathe, and Oskaloosa 30-minute quadrangles have been subdivided into 15-minute quadrangles numbered 1, 2, 3, and 4, as indicated on the map, except that Oskaloosa no. 1 has been renamed the Oak Mills quadrangle.

The heavy black lines on the index map indicate the routes followed by the third-order leveling of the United States Geological Survey in Kansas. The light dashed lines indicate the routes followed by the first- and second-order leveling of the United States Coast and Geodetic Survey.

Personnel.—The leveling of the United States Geological Survey in Kansas was done under the supervision of the chief geographers or chief topographic engineers who were in administrative charge of the topographic branch during the years when the lines were run. The name of the levelman who ran a particular line and the date when it was run immediately follow the designation of the route of that line and form part of the heading which precedes the descriptions of benchmarks. The adjustment of the third-order level net, the revision, correlation, and compilation of the descriptions and elevations of benchmarks, and the assembling of lists were done mainly by E. W. Tibbott, computer, under the supervision of R. M. Wilson, chief of the section of computing, under the general direction of J. G. Staack, chief topographic engineer.

ARMOURDALE QUADRANGLE THIRD-ORDER LEVELING

9

ARMOURDALE QUADRANGLE⁴

[Latitude 39°-39°15'; longitude 94°30'-94°45']

JOHNSON AND WYANDOTTE COUNTIES

From Kansas City near Wyandotte-Johnson county line south and southwest along roads near Kansas-Missouri State line into Olathe No. 1 quadrangle (by L. V. Johnson in 1933)

Kansas City, 90 ft. N. and 30 ft. E. from intersection of 47th Street and Booth Avenue, at St. Agnes School, on SW. corner of second concrete step; chiseled square-----	<i>Feet</i> 965. 83
T. 12 S., R. 25 E., near center of SE¼ sec. 3, 148 ft. N. and 22 ft. E. from junction of U. S. Highway 50 and T-rd. N., in line with T-rd. S., 2 ft. E. of corner fence post, in concrete post; standard tablet stamped "16 J 1933 934"-----	933. 815
Reference mark, 30 ft. E. and 21 ft. N. from junction of U. S. Highway 50 and T-rd. N., on concrete curb; chiseled square-----	936. 09
T. 12 S., R. 25 E., 0.2 mi. E. of approximate center of sec. 10, 30 ft. N. and 30 ft. W. from junction of rd. fork N., in root on NE. side of 24-in. walnut tree; copper nail and washer-----	864. 08
T. 12 S., R. 25 E., at cor. secs. 9, 10, 15, and 16, 30 ft. W. and 10 ft. N. from crossroads, on N. head wall of concrete culvert; chiseled square-----	947. 73
Superior (Prairie?) School, about 100 ft. SE. of SE. corner of, at quarter cor. between secs. 15 and 16, T. 12 S., R. 25 E., 50 ft. W. and 20 ft. N. from junction of Shawnee Mission Road and T-rd. W. (67th Street), on top of fire hydrant; top of E. nut-----	918. 17
<p>From Olathe No. 1 quadrangle north along Callahan Road to its junction with 67th Street, thence west and south along roads near south border of Armourdale quadrangle into Olathe No. 2 quadrangle (by L. V. Johnson in 1933)</p>	
Antioch Church, about 1 mi. N. of, at quarter cor. between secs. 13 and 18, T. 12 S., Rs. 24 and 25 E., 70 ft. S. and 30 ft. W. from junction of T-rd. W. (67th Street), in root on NE. side of 24-in. elm tree; copper nail and washer-----	1, 027. 03
T. 12 S., R. 24 E., 0.2 mi. W. of center of sec. 13, 170 ft. W. and 35 ft. S. from junction of 67th Street and T-rd. S., in root on N. side of 24-in. elm tree; copper nail and washer-----	946. 35
Shawnee, 1.0 mi. S. of, in center of sec. 14, T. 12 S., R. 24 E., 23 ft. N. and 76 ft. E. from intersection of 67th Street and U. S. Highway 50, 1 ft. S. of fence line, in concrete post; standard tablet stamped "T T 1 O 1933 1029"-----	1, 029. 200
T. 12 S., R. 24 E., at cor. secs. 14, 15, 22, and 23, 22 ft. N. and 18 ft. E. from junction of Sheets Road and T-rd. W., in root on W. side of 18-in. tree; copper nail and washer-----	1, 046. 09
T. 12 S., R. 24 E., at cor. secs. 15, 16, 21, and 22, 30 ft. S. and 30 ft. W. from center of crossroads, in root on N. side of 30-in. oak tree; copper nail and washer-----	957. 67

⁴ This 15-minute quadrangle, part of which lies in Missouri, is made up of the Kansas City, North Kansas City, Quindaro, and Shawnee 7½-minute quadrangles.

From Bonner Springs quadrangle near Morris northeast and east along road and streets of Kansas City to 5th Street bridge over Kansas River (by L. V. Johnson in 1933)

Morris, about 0.8 mi. E. of, 350 ft. E. of large rock crusher, 60 ft. N. of center line of rd., under R. R. spur, on W. head wall of concrete culvert; chiseled square.....	<i>Feet</i> 774. 37
T. 11 S., R. 24 E., at approximate cor. secs. 22, 23, 26, and 27, 80 ft. S. and 20 ft. E. from center of crossroads, at NE. corner of concrete highway bridge, on abutment; chiseled square.....	847. 62
Turner, 1.0 mi. S. of, at approximate cor. secs. 23, 24, 25, and 26, T. 11 S., R. 24 E., 28 ft. N. and 129 ft. W. from intersection of paved roads, in concrete post; standard tablet stamped "T T 5 O 1933 919".....	919. 189
Reference mark, 60 ft. W. and 13 ft. N. from center of crossroads, on W. end of concrete curb; chiseled square.....	916. 19
T. 11 S., R. 24 E., at quarter cor. between secs. 24 and 25, 10 ft. W. and 17 ft. N. from junction of Metropolitan Avenue and T-rd. S., on W. concrete head wall of culvert; chiseled square.....	899. 99
Kansas City, 20 ft. W. and 15 ft. S. from intersection of Metropolitan Avenue and Carlisle rd., at quarter cor. between secs. 19 and 30, T. 11 S., R. 25 E., on concrete head wall of culvert; chiseled square.....	829. 22
Kansas City, at junction of 34th Street and Metropolitan Avenue, on fire hydrant; nut (city B. M.).....	807. 25
Kansas City, at junction of 36th Street and Metropolitan Avenue, at S. entrance to Stanley School, in second stone step at point near its W. end; standard tablet stamped "T T 6 O 1933 812".....	812. 128
Kansas City, 14 ft. N. and 18 ft. E. from intersection of Metropolitan Avenue and South 18th Street, on concrete curb; chiseled square.....	785. 25
Kansas City, on W. side of 14th Street near its intersection with Metropolitan Avenue, 43.1 ft. S. of NE. corner of E. retaining wall around grounds of Franklin School, on top of concrete street curb; standard tablet stamped "T T 7 O 1933 789".....	789. 267
Reference mark, 1,200 ft. E. of tablet, at center of S. end of 12th Street bridge over Kansas River, on top of concrete block; chiseled square.....	788. 84
Kansas City, at NE. corner of 5th Street bridge over Kansas River, on concrete abutment; chiseled square.....	784. 16

In Kansas City—from 39th Street and Kansas-Missouri State line west and northwest along streets and across Kansas River to corner of Third Street and Minnesota Avenue (by L. V. Johnson in 1933)

Kansas City, on Kans.-Mo. State line, 28 ft. W. and 12 ft. N. from intersection of West 39th Street and State line rd., on concrete curb; chiseled square.....	961. 10
Kansas City, at Seminary Street entrance to Columbian School, in NE¼ sec. 27, T. 11 S., R. 25 E., 325 ft. N. and 35 ft. E. from intersection of Rainbow Boulevard and Seminary Street, in coping on N. side of front steps to school; standard tablet stamped "T T 9 BO 1933 811".....	810. 885
Reference mark, 4.2 ft. below tablet, on concrete step; chiseled square.....	806. 67
Kansas City, at W. end of 5th Street bridge over Kansas River, on S. abutment; outer edge of W. wing wall (city B. M.).....	784. 26

Kansas City, 88 ft. E. and 28.5 ft. S. from intersection of 6th Street and Shawnee Avenue, in NW¼ sec. 22, T. 11 S., R. 25 E., 17.6 ft. N. and 12.2 ft. W. from NW. corner of John J. Ingalls School, 24 ft. S. of flagpole, in concrete post; standard tablet stamped "T T 10 BO 1933 744"-----	Feet 743. 724
Reference mark, 15 ft. N. of tablet, on concrete curb; chiseled square--	743. 44
Kansas City, 85 ft. S. and 22 ft. W. from intersection of 7th Street and Montana Avenue, at NW. corner of 7th Street viaduct, on concrete base of rail support; chiseled square-----	785. 81
Kansas City, 22 ft. S. and 22 ft. W. from intersection of 5th Street and Central Avenue, on concrete curb; chiseled square-----	761. 02
Missouri River Commission copper bolt designated "P. B. M. 235"--	740. 743
Missouri River Commission chiseled square designated "T. B. M. 484"--	739. 001
Missouri River Commission mark designated "T. B. M. 485" (edge of doorsill)-----	776. 75
Missouri River Commission mark designated "T. B. M. 486" (top of nut on hydrant)-----	777. 62

From Bonner Springs quadrangle near Mill Creek east along U. S. Highway 40 and streets of Kansas City to Stowe School (by L. V. Johnson in 1933)

T. 11 S., R. 24 E., in NW. cor. sec. 3, 430 ft. E. of junction of U. S. Highway 40 and T-rd. S., 18 ft. N. and 12 ft. W. from junction of private T-rd. N. to residence of P. H. Ludwic, on W. concrete head wall of culvert; chiseled square-----	918. 90
T. 10 S., R. 24 E., at S. cor. secs. 33 and 34, 18 ft. N. and 18 ft. E. from junction of highway and T-rd. N., on E. concrete head wall of culvert; chiseled square-----	914. 30
T. 11 S., R. 24 E., 0.2 mi. W. of NE. cor. sec. 3, 17 ft. S. and 8 ft. E. from junction of highway and T-rd. S., on concrete head wall of culvert; chiseled square-----	943. 67
T. 10 S., R. 24 E., near S. cor. secs. 34 and 35, about 400 ft. W. of junction of highway and T-rd. N., in NE. corner of concrete highway bridge over Brenner Heights Creek, on concrete wing wall; chiseled square-----	850. 41
Welborn, 1.0 mi. S. of, at approximate S. cor. secs. 35 and 36, T. 10 S., R. 24 E., 31 ft. N. and 35 ft. E. from junction of highway and Welborn rd., 1.0 ft. N. and 14 ft. E. from corner fence post on private estate of U. S. Guyer, in concrete post; standard tablet stamped "T T 10 O 1933 923"-----	923. 309
Reference mark, on concrete head wall of culvert; chiseled square----	920. 47
T. 11 S., R. 25 E., in NW. cor. sec. 6, 70 ft. E. and 22 ft. S. from junction of highway and T-rd. S., on concrete head wall of culvert; chiseled square-----	889. 68
T. 10 S., R. 25 E., about 0.2 mi. E. of SW. cor. sec. 31, 40 ft. S. and 30 ft. W. from intersection of Parallel Avenue (State Highway 73) and 34th Street (State Highway 5), on concrete sewer top; chiseled square-----	997. 24
Kansas City, at junction of 33d Street and Parallel Avenue, on top of fire hydrant; W. nut (city B. M.)-----	931. 36
Kansas City, 35 ft. E. and 15 ft. S. from E. junction of Parallel Avenue and North 27th Street, on concrete curb; chiseled square-----	906. 60
Kansas City, near junction of 18th Street and Parallel Avenue, 159 ft. W. of 18th Street, 53.5 ft. N. of Parallel Avenue, in public park, 12 ft. W. of center of granite drinking fountain, in concrete post; standard tablet stamped "T T 11 O 1933 820"-----	820. 366

Reference mark, 12 ft. NE. of tablet, at NE. corner of above-mentioned drinking fountain; chiseled square.....	<i>Feet</i> 820. 86
Kansas City, 70 ft. E. and 45 ft. S. from junction of Richmond and Garfield Avenues, on concrete curb; chiseled square.....	798. 92
Kansas City, near Stowe School, 31 ft. S. and 45 ft. E. from intersection of 2d Street and Richmond Avenue, 30.5 ft. N. and 7 ft. W. from NW. corner of school building, in concrete post; standard tablet stamped "T T 11 BO 1933 795".....	794. 828
Reference mark, 18 ft. N. of tablet, on concrete curb; chiseled square...	794. 37
<p>From point on U. S. Highway 40 about 0.4 mile east of Victory Hills Golf Club north along road to Missouri Pacific Railroad, thence southeast, west, and south along roads and streets to intersection of 34th Street (State Highway 5) and Parallel Avenue (State Highway 73) in Kansas City (by L. V. Johnson in 1933)</p>	
Vance (Grandview?) Church, at cor. secs. 27, 28, 33, and 34, T. 10 S., R. 24 E., about 0.2 mi. S. of Kansas City, Leavenworth & Western Electric Ry., 100 ft. E. and 25 ft. N. from center of crossroads, at entrance to church, on first concrete step; chiseled square.....	1, 026. 93
Vance School, 0.3 mi. N. of, at cor. secs. 21, 22, 27, and 28, T. 10 S., R. 24 E., 10 ft. S. and 18 ft. E. from center of crossroads, on E. end of tile culvert; top of culvert.....	983. 87
Tanks triangulation sta. of Missouri River Commission; cap of iron pipe.....	1, 017. 01
Nearman sta., 1.7 mi. W. of, 1.8 mi. E. of Pomeroy, on Mo. Pac. R. R., near center of sec. 22, T. 10 S., R. 24 E., at SE. corner of concrete base of electric control box; chiseled square.....	761. 55
Nearman sta., 1.1 mi. W. of, on N. side of tracks, at W. end of sidetrack, on SE. corner of concrete base of electric control box; chiseled square..	757. 18
Nearman sta., 0.5 mi. W. of, 125 ft. W. of crossing of private rd. and R. R., at SW. corner of concrete base of electric control box; chiseled square.....	755. 79
Nearman sta., near quarter cor. between secs. 23 and 24, T. 10 S., R. 24 E., 125 ft. E. of rd. crossing, 20 ft. SE. of tool shed, on N. side of tracks, on SE. corner of electric control box, on concrete base; chiseled square.....	762. 28
Nearman sta., 0.5 mi. E. of, at approximate center of sec. 24, T. 10 S., R. 24 E., 23 ft. W. and 38 ft. S. from main R. R. track at rd. crossing, at NE. corner of small concrete highway bridge, in concrete wall; standard tablet stamped "T T 25 J 1933 761".....	760. 829
Nearman sta., 0.9 mi. E. of, at E. end of sidetrack and on N. side of main track, on SE. corner of concrete base of electric control box; chiseled square.....	762. 04
Nearman sta., 1.5 mi. E. of, in SW¼ sec. 19, T. 10 S., R. 25 E., 20 ft. E. of "bell" rd. crossing, on N. side of tracks, at SW. corner of concrete base of electric control box; chiseled square.....	766. 17
T. 10 S., R. 25 E., at approximate center sec. 30, 60 ft. E. and 10 ft. S. from junction of rd. marking western limits of Kansas City and rd. NW., in root on N. side of 24-in. walnut tree; copper nail and washer.....	883. 97
Kansas City, 25 ft. N. and 25 ft. E. from intersection of Brown Avenue (Leavenworth rd.) and N.-S. street marking city limits, on concrete curb; chiseled square.....	925. 65
Kansas City, 25 ft. N. and 15 ft. W. from intersection of 34th Street (State Highway 5) and Leavenworth rd., on concrete curb; chiseled square.....	906. 12

From Kansas City at crossing of Quindaro Avenue and city boundary line
north along Fairfax Road to Missouri River (by L. V. Johnson in 1933)

Kansas City, at northeastern city limits, 25 ft. N. and 25 ft. W. from intersection of Quindaro Avenue and Missouri Pacific R. R., at SE. corner of concrete base of electric signal post; chiseled square-----	Feet 753. 81
Kansas City, about 1.9 mi. along Fairfax Road N. of city limits, in center of sec. 27, T. 10 S., R. 25 E., near Fairfax Landing Field, 485 ft. E. of iron pin at junction of Clark and Reimer rds. (marking center of sec. 27), 31.9 ft. W. and 37.7 ft. N. from intersection of Fairfax and Reimer rds., in concrete post; standard tablet stamped "T T 17 BO 1933"-----	744. 811
Reference mark, 70 ft. S. of tablet, on top of fire hydrant; S. nut-----	746. 76

In Kansas City (by R. F. Gallup in 1933)

Kansas City, at Kansas end of intercity viaduct, at end of approach slab of lower deck, near rail post, on curb; chiseled square-----	758. 98
---	---------

BONNER SPRINGS QUADRANGLE¹

[Latitude 39°-39°15'; longitude 94°-45'-95°]

JOHNSON, LEAVENWORTH, AND WYANDOTTE COUNTIES

From Olathe No. 2 quadrangle along roads generally north by way of Quivera Lake and across Kansas River to point on U. S. Highway 40 near crossing of Mill Creek, thence east along highway into Armourdale quadrangle (by L. V. Johnson in 1933)

Greenwood School, 50 ft. W. and 20 ft. N. from NW. corner of, at cor. secs. 8, 9, 16, and 17, T. 12 S., R. 24 E., 100 ft. E. and 100 ft. S. from rd. forks, in root on SW. side of 30-in. oak tree; copper nail and washer-----	1, 031. 16
Quivera Lake dam, 1.5 mi. S. of, 1.5 mi. NW. of Greenwood School, at quarter cor. between secs. 7 and 8, T. 12 S., R. 24 E., 100 ft. N. and 23 ft. E. from junction of T-rd. W., in concrete post; standard tablet stamped "T T 3 O 1933 994"-----	994. 250
Quivera Lake dam, 0.8 mi. S. of, about 0.7 mi. S. of Johnson-Wyandotte county line, 0.2 mi. N. of cor. secs. 5, 6, 7, and 8, T. 12 S., R. 24 E., 30 ft. E. of junction of T-rd. W., in root on SW. side of 18-in. oak tree; copper nail and washer-----	985. 33
Quivera Lake dam, 0.3 mi. N. of, 1.8 mi. SW. of Morris, 0.3 mi. N. of Wyandotte-Johnson county line, 0.2 mi. S. of Kansas River, about 500 ft. N. of cor. secs. 5, 6, 31, and 32, Tps. 11 and 12 S., R. 24 E., at NW. corner of concrete highway bridge over drain, on concrete head wall; chiseled square-----	767. 94
Morris, about 0.8 mi. SW. of, 0.3 mi. S. of cor. secs. 28, 29, 32, and 33, T. 11 S., R. 24 E., 450 ft. E. of crossroads, at SE. corner of concrete culvert; chiseled square-----	775. 45
Morris, about 0.4 mi. S. of, 22 ft. W. and 7 ft. N. from center of crossroads, on N. concrete head wall of culvert; chiseled square---	768. 45
Morris, 0.2 mi. N. of, at approximate center of sec. 28, T. 11 S., R. 24 E., 94 ft. S. and 20 ft. W. from junction of T-rd. S., 2 ft. W. of fence line, in concrete post; standard tablet stamped "T T 4 O 1933 763"-----	763. 436

¹ This 15-minute quadrangle, part of which lies in Missouri, includes the Edwardsville and Wolcott 7½ minute quadrangles.

Reference mark, 350 ft. S. of tablet, at fire hydrant; center of top of plug-----	Feet 767. 16
T. 11 S., R. 24 E., near cor. secs. 20, 21, 28, and 29, 10 ft. N. and 20 ft. W. from junction of State Highway 32 and rd. NW. (Grinter Road), 50 ft. SW. of waiting room of Kansas City, Kaw Valley & Western Ry. (electric), on W. head wall of concrete culvert; chiseled square-----	781. 44
Grinter Chapel, 0.1 mi. E. of, 1.0 mi. S. of village of Stony Point, on Grinter Road 0.5 mi. N. of its junction with State Highway 32, at quarter cor. between secs. 20 and 21, T. 11 S., R. 24 E., 15 ft. S. and 15 ft. W. from center of crossroads, on W. end of corrugated-iron culvert; chiseled square-----	833. 14
Stony Point village, near quarter cor. between secs. 16 and 17, T. 11 S., R. 24 E., 47 ft. S. and 21 ft. E. from SE. corner of schoolhouse, 30 ft. W. of center line of N.-S. rd., in schoolyard, 3 ft. W. of retaining wall, in concrete post; standard tablet stamped "T T 8 O 1933 901"-----	900. 490
Reference mark, 3 ft. E. of tablet, on concrete retaining wall; chiseled square-----	901. 05
Stony Point village, 0.5 mi. N. of, on Grinter Road, at cor. secs. 8, 9, 16, and 17, T. 11 S., R. 24 E., 20 ft. W. and 15 ft. N. from center of crossroads, on N. end of 24-in. concrete culvert; chiseled square-----	864. 54
Stony Point village, 1.5 mi. N. of, at cor. secs. 4, 5, 8, and 9, T. 11 S., R. 24 E., 40 ft. S. and 20 ft. W. from junction of Reidy Road and T-rd. S., in root on E. side of 18-in. elm tree; copper nail and washer-----	935. 89
Stony Point village, 1.5 mi. N., thence 0.5 mi. W. from, 1.6 mi. E. of Wyandotte County Home, at quarter cor. between secs. 5 and 8, T. 11 S., R. 24 E., 42 ft. N. and 15 ft. E. from junction of Reidy Road and T-rd. N., on N. corner of E. head wall of concrete culvert; chiseled square-----	961. 13
Victory Hills Golf Club, about 1.5 mi. along U. S. Highway 40 W. of, at NW. cor. NE¼ sec. 5, T. 11 S., R. 24 E., 0.4 mi. W. of crossing of Mill Creek, 35 ft. E. and 15 ft. S. from junction of highway and T-rd. S., on concrete head wall of culvert; chiseled square-----	986. 32
Victory Hills Golf Club, 0.8 mi. along U. S. Highway 40 W. of, about 900 ft. E. of N. cor. secs. 4 and 5, T. 11 S., R. 24 E., about 0.2 mi. E. of crossing of Mill Creek, 35 ft. N. and 24 ft. E. from junction of highway and T-rd. N., 3 ft. N. and 15 ft. E. from corner fence post, in concrete post; standard tablet stamped "T T 9 O 910"-----	910. 417
Reference mark, at junction of T-rd. N., on concrete head wall of culvert; chiseled square-----	911. 94

From Olathe No. 2 quadrangle northwest along old State Highway 10 to Zarah, thence southwest, northwest, and north along roads to point on U. S. Highway 40 about 3 miles west of Maywood, thence east along highway to road forks 2.5 miles west of Victory Hills Golf Club (by L. V. Johnson in 1933)

[Line jogs into Olathe No. 2 quadrangle]

Zarah, 1.6 mi. SE. of, near cor. secs. 13, 18, 19, and 24, T. 12 S., Rs. 23 and 24 E., 15 ft. N. and 50 ft. E. from center of crossroads, on W. end of concrete head wall of culvert; chiseled square-----	827. 31
--	---------

Zarah, about 1 mi. SE. of, near approximate center of sec. 13, T. 12 S., R. 23 E., 15 ft. E. and 25 ft. S. from junction of highway and rd. fork NE., on W. end of concrete head wall of culvert; chiseled square.....	<i>Fect</i> 799. 89
Zarah, about 500 ft. W. of post office, 50 ft. W. of rd. forks, on concrete head wall of culvert; chiseled square.....	840. 87
Zarah, 0.5 mi. S. of, about 350 ft. W. and 150 ft. N. from quarter cor. between secs. 14 and 23, T. 12 S., R. 23 E., at junction of T-rd. N., 25 ft. W. of center line of route rd., in concrete post; standard tablet stamped "T T 12 O 1933 824".....	823. 941
Reference mark, 140 ft. N. of tablet, 15 ft. W. of center line of rd., on S. end of W. head wall of concrete culvert; chiseled square.....	816. 98
T. 12 S., R. 23 E., near quarter cor. between secs. 8 and 17, 25 ft. S. and 20 ft. W. from rd. forks, on W. concrete head wall of culvert; chiseled square.....	887. 25
T. 12 S., R. 23 E., at approximate cor. secs. 7, 8, 17, and 18, 320 ft. N. of rd. corner, 20 ft. E. of bank of Kansas River, 12 ft. W. of center line of rd., in root on NE. side of giant maple tree; copper nail and washer.....	783. 71
T. 12 S., R. 23 E., about 0.2 mi. E. of cor. secs. 5, 6, 7, and 8, 55 ft. S. and 13 ft. E. from junction of T-rd. E., 13 ft. S. of fence corner, inside fence, in concrete post; standard tablet stamped "21 J 1933 781".....	780. 828
Reference mark, 105 ft. N. and 7 ft. E. from tablet, 50 ft. N. and 20 ft. E. from junction of T-rd. E., in root on NE. side of 24-in. elm tree; copper nail and washer.....	782. 69
Tps. 11 and 12 S., R. 23 E., near quarter cor. between secs. 32 and 5, 120 ft. W. and 20 ft. S. of junction of T-rd. S., in root on NW. side of 20-in. elm tree; copper nail and washer.....	770. 05
Bonner Springs village, across Kansas River from, near center sec. 32, T. 11 S., R. 23 E., about 400 ft. E. of rd. corner, 75 ft. E. and 15 ft. N. from junction of rd. fork SW., in root on W. side of giant cottonwood tree; copper nail and washer.....	770. 09
Bonner Springs, in N½ sec. 32, T. 11 S., R. 23 E., 116 ft. N. and 47 ft. E. from N. corner of Union Pacific R. R. sta., 30 ft. E. and 9 ft. S. from intersection of Front and Cedar Streets, 7.5 ft. SE. of E. rail of Interurban R. R. tracks, in concrete post; standard tablet stamped "22 J 1933 801".....	801. 270
Reference mark, 36 ft. N. of tablet, 27 ft. N. of intersection of Front and Cedar Streets, on concrete curb; chiseled square.....	801. 36
Bonner Springs, in NW. part of, near village limits, near quarter cor. between secs. 29 and 30, T. 11 S., R. 23 E., at SE. corner of Lakewood Park grounds, 20 ft. W. and 40 ft. N. from junction of rd. fork N., in root on W. side of 12-in. oak tree; copper nail and washer...	837. 79
Bonner Springs, about 1 mi. by rd. N. of, about 400 ft. E. of cor. secs. 19, 20, 29, and 30, T. 11 S., R. 23 E., 55 ft. E. and 15 ft. S. from junction of rd. fork SE., at SW. corner of large concrete culvert, on wing wall; chiseled square.....	854. 39
Bonner Springs, 2.0 mi. N. and 0.5 mi. W. from, near cor. secs. 17, 18, 19, and 20, T. 11 S., R. 23 E., 140 ft. N. and 20 ft. E. from cross roads, in concrete post; standard tablet stamped "T T 14 O 1933 970".....	970. 184

	<i>Feet</i>
Reference mark, in NW. corner of crossroads, on N. end of corrugated-iron culvert; chiseled square-----	977. 79
T. 11 S., R. 23 E., near cor. secs. 7, 8, 17, and 18, 70 ft. S. and 18 ft. E. from center of crossroads, in fence line, in root on W. side of 6-in. oak tree; copper nail and washer-----	1, 003. 07
T. 11 S., R. 23 E., at approximate cor. secs. 5, 6, 7, and 8, 600 ft. S. of crossroads, 22 ft. E. of center line of rd., on S. end of E. head wall of large concrete culvert over drain; chiseled square-----	904. 88
Maywood, 3.0 mi. W. of, 30 ft. S. and 72 ft. W. from NE. cor. sec. 6, T. 11 S., R. 23 E., at junction of U. S. Highway 40 and T-rd. S., in concrete post; standard tablet stamped "T T 15 O 1933 973"-----	972. 472
Reference mark, 20 ft. S. and 15 ft. E. from above-mentioned rd. forks, on concrete head wall of culvert; chiseled square-----	966. 74
Maywood, 2.6 mi. W. of, at N. cor. secs. 4 and 5, T. 11 S., R. 23 E., 15 ft. E. and 25 ft. S. from junction of U. S. Highway 40 and T-rd. S. (State Highway 7), on E. concrete head wall of culvert; chiseled square-----	1, 016. 53
Maywood, 2.1 mi. W. of, at S. cor. secs. 32 and 33, T. 10 S., R. 23 E., 80 ft. E. and 18 ft. S. from junction of U. S. Highway 40 and T-rd. N., on E. concrete head wall of culvert; chiseled square-----	1, 015. 74
Maywood, 1.2 mi. W. of, near S. cor. secs. 33 and 34, T. 10 S., R. 23 E., 40 ft. E. and 20 ft. S. from junction of U. S. Highway 40 and T-rd. N., on E. concrete head wall of culvert; chiseled square-----	988. 37
Maywood Church, in yard of, in NE. cor. sec. 3, T. 11 S., R. 23 E., 0.8 mi. W. of Maywood, on U. S. Highway 40, 9 ft. N. and 2 ft. NW. from church, in concrete post; standard tablet stamped "T T 16 O 1933 1037"-----	1, 036. 624
Reference mark, 0.3 mi. E. of tablet, 100 ft. S. and 25 ft. W. from junction of highway and T-rd. S., on W. end of circular concrete culvert; chiseled square-----	1, 028. 15
Maywood, in village of, 0.2 mi. W. of S. cor. secs. 34 and 35, T. 10 S., R. 23 E., 20 ft. N. and 20 ft. E. from junction of U. S. Highway 40 and T-rd. N., on concrete head wall of culvert; chiseled square-----	1, 028. 10
Maywood, 0.9 mi. E. of, at S. cor. secs. 35 and 36, T. 10 S., R. 23 E., 30 ft. N. and 30 ft. E. from junction of U. S. Highway 40 and T-rd. N., on E. concrete head wall of culvert; chiseled square-----	970. 65
Maywood, about 2 mi. E. of, 2.5 mi. W. of Victory Hills Golf Club, at approximate SE. cor. sec. 36, T. 10 S., R. 23 E., 31 ft. N. and 77 ft. E. from junction of U. S. Highway 40 and T-rd. N., in concrete post; standard tablet stamped "T T 17 O 1933 957"-----	956. 687
Reference mark, 18 ft. S. of tablet, on N. edge of paving; chiseled square-----	956. 19

From Bonner Springs northeast and east along State Highway 32 to its junction with Grinter Road at point just across Kansas River from Morris (by L. V. Johnson in 1933)

Bonner Springs, 0.7 mi. NE. of, 12 ft. E. of SW. corner of highway bridge over drain, on concrete base of guard rail; chiseled square--	799. 01
Bonner Springs, 1.2 mi. NE. of, about 400 ft. E. of entrance to Lone Star cement plant, 100 ft. N. and 15 ft. E. from junction of T-rd. N., at SE. corner of highway bridge over West Mission Creek, on concrete base of guard rail; chiseled square-----	783. 02

Bonner Springs, 1.7 mi. NE. of, near E. $\frac{1}{4}$ cor. sec. 28, T. 11 S., R. 23 E., 65 ft. N. and 12 ft. W. from junction of T-rd. N. to Camp Theodore Naish (Boy Scouts), at SW. corner of concrete bridge, on base of guard rail; chiseled square-----	<i>Feet</i> 777. 09
Edwardsville, 1.0 mi. W. of, in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, T. 11 S., R. 23 E., 40 ft. S. and 32 ft. E. from junction of highway and rd. N. to Lake of the Forest Club, 1.0 ft. W. of fence line, in concrete post; standard tablet stamped "23 J 1933 775"-----	775. 280
Edwardsville, at E. edge of, 12 ft. N. and 15 ft. E. from junction of highway and T-rd. N., on E. concrete head wall of culvert; chiseled square-----	783. 58
Edwardsville, 1.0 mi. E. of, in SE $\frac{1}{4}$ sec. 25, T. 11 S., R. 23 E., 40 ft. NW. of Crestwood sta. of Kansas City, Kaw Valley & Western Ry. (electric), 70 ft. N. and 15 ft. W. from junction of T-rd. N., on SW. corner of concrete culvert, on base of guard rail; chiseled square---	788. 90
Edwardsville, 1.9 mi. E. of, in SE $\frac{1}{4}$ sec. 30, T. 11 S., R. 24 E., 82 ft. N. and 9 ft. W. from center of crossroads, 16 ft. N. and 9 ft. W. from N. rail of interurban electric R. R., at center of rd. crossing, at SW. corner of bridge over drain, in concrete abutment; standard tablet stamped "24 J 1933 772"-----	771. 822
Reference mark, at SW. corner of crossroads, on concrete head wall of culvert; chiseled square-----	770. 14
Edwardsville, 2.6 mi. E. of, in NW $\frac{1}{4}$ sec. 29, T. 11 S., R. 24 E., 0.8 mi. SW. of junction of highway and Grinter Road, at NW. corner of concrete highway bridge over Little Turkey Creek, on base of guard rail; chiseled square-----	767. 21
From rd. forks 3 miles west of Maywood west along U. S. Highway 40 into Oskaloosa No. 4 quadrangle (by R. F. Gallup in 1934)	
Maywood, 3.6 mi. W. of, 60 ft. S. of center line of U. S. Highway 40, at Old Dutch Mill filling sta., on top of concrete foundation of gasoline pump; chiseled square-----	952. 80
T. 11 S., R. 22 E., in NE. cor. sec. 1, 175 ft. W. and 12 ft. S. from junction of U. S. Highway 40 and T-rd. S., on top of SW. wing wall of bridge over creek; chiseled square-----	863. 63
T. 10 S., R. 22 E., 225 ft. W. and 28 ft. N. from E. $\frac{1}{16}$ cor. on S. side of sec. 36, in root on N. side of 24-in. elm tree; nail and washer-----	919. 94
Basehor, near E. $\frac{1}{16}$ cor. on N. side of sec. 2, T. 11 S., R. 22 E., at NE. corner of Red Rock filling sta., on top of concrete pedestal; chiseled square-----	969. 82
Basehor, 1 mi. S. of, near S. cor. secs. 34 and 35, T. 10 S., R. 22 E., 98 ft. W. and 25 ft. N. from center of crossroads, at turn in U. S. Highway 40, in concrete post; standard tablet stamped "T T 19 O 1934"-----	962. 189
Reference mark, 70 ft. S. and 64 ft. E. from tablet, on N. side of NW $\frac{1}{4}$ sec. 2, T. 11 S., R. 22 E., 34 ft. W. and 45 ft. S. from crossroads, in root on W. side of 24-in. elm tree; nail and washer-----	996. 14
T. 10 S., R. 22 E., near SW. cor. sec. 34, 475 ft. E. and 20 ft. N. from crossroads, in root on S. side of cottonwood tree on fence line; nail and washer-----	960. 47
T. 11 S., R. 22 E., near NW. cor. NW $\frac{1}{4}$ sec. 4, in root on S. side of elm tree; nail and washer-----	857. 87
T. 10 S., R. 22 E., near S. cor. secs. 32 and 33, 30 ft. N. and 80 ft. E. from center of crossroads, in root on N. side of smooth-bark hickory tree; nail and washer-----	857. 63

T. 11 S., R. 22 E., 342 ft. E. and 20 ft. S. from quarter cor. between secs. 4 and 5, in root on S. side of 28-in. walnut tree; nail and washer.....	<i>Feet</i> 936. 18
T. 11 S., R. 22 E., about 230 ft. S. and 16 ft. W. from center of sec. 5, in root on N. side of large forked sycamore tree; nail and washer....	851. 20

From Oskaloosa No. 4 quadrangle southeast along roads across southwest corner of Bonner Springs quadrangle into Olathe No. 2 quadrangle (by R. F. Gallup in 1934)

T. 12 S., R. 22 E., near quarter cor. between secs. 5 and 8, 40 ft. N. and 15 ft. W. from junction of T-rd. N., at fence corner, on top of tree stump in hedge; nail and washer.....	973. 96
T. 12 S., R. 22 E., near cor. of secs. 4, 5, 8, and 9, 125 ft. N. and 80 ft. E. of center of crossroads, in root on S. side of 10-in. box-elder tree; nail and washer.....	964. 19
T. 12 S., R. 22 E., about 140 ft. S. and 250 ft. E. from quarter cor. between secs. 8 and 9, in root on E. side of box-elder tree; nail and washer.....	932. 10
T. 12 S., R. 22 E., about 900 ft. N. and 20 ft. W. from center of sec. 9, on W. head wall of concrete culvert; chiseled square.....	930. 23

From Olathe No. 2 quadrangle northeast along Union Pacific Railroad to Loring, thence generally east along road to point just east of Kansas River (by R. F. Gallup in 1934)

Lenape, 1.1 mi. NE. of, 1.6 mi. SW. of Loring, on Union Pacific R. R., near quarter cor. between secs. 13 and 14, T. 12 S., R. 22 E., at semaphore 224, on top of NW. corner of foundation; chiseled square.....	788. 60
Loring, 0.6 mi. SW. of, near center sec. 13, T. 12 S., R. 22 E., at semaphore 214, on top of NW. corner of foundation; chiseled square.....	787. 56
Loring, in town of, in sec. 13, T. 12 S., R. 22 E., 13 ft. W. of center line of county-line rd. (between Leavenworth and Wyandotte Counties), 10 ft. SE. of SE. rail of four tracks of Union Pacific R. R., in concrete post; standard tablet stamped "T T 23 O 1934 785".....	785. 500
Reference mark, 225 ft. N. of tablet, in SW. angle of crossroads, at concrete bridge, in S. end of E. abutment; chiseled square.....	786. 76
Loring (at Leavenworth-Wyandotte county line), 0.7 mi. by rd. NE. of, near center sec. 7, T. 12 S., R. 23 E., 30 ft. N. and 15 ft. W. from junction of T-rd. N., on W. head wall of concrete culvert; chiseled square.....	786. 38
Loring, 1.2 mi. by rd. E. of, on N. bank of Kansas River, in root on E. side of cottonwood tree; nail and washer.....	771. 36

From point on U. S. Highway 40 (Parallel Avenue) near center of west border of Bonner Springs quadrangle north and northeast along roads into Leavenworth quadrangle (by R. F. Gallup in 1934)

Basehor, 2 mi. W. and 1 mi. S. from, near S. cor. secs. 32 and 33, T. 10 S., R. 22 E., 133 ft. N. and 18 ft. E. from crossroads, 158 ft. N. of hedge fence on Parallel Avenue, 18 ft. E. of N.-S. rd., in concrete post; standard tablet stamped "T T 25 O 1934".....	846. 764
T. 10 S., R. 22 E., about 17 ft. N. and 14 ft. E. from quarter cor. between secs. 32 and 33, in root on W. side of hedge stump; nail and washer.....	887. 86

	<i>Feet</i>
T. 10 S., R. 22 E., at cor. secs. 28, 29, 32, and 33, 20 ft. S. and 14 ft. E. from junction of T-rd. S., in W. side of hedge tree; nail and washer	916. 46
T. 10 S., R. 22 E., at quarter cor. between secs. 29 and 32, 42 ft. N. and 28 ft. W. from junction of E.-W. rd. and T-rd. N., in root on S. side of oak tree; nail and washer	875. 18
T. 10 S., R. 22 E., at cor. secs. 29, 30, 31, and 32, 19 ft. N. and 28 ft. E. from junction of route rd. and T-rd. N., in root on W. side of 24-in. elm tree; nail and washer	874. 66
T. 10 S., R. 22 E., 60 ft. N. and 22 ft. E. from quarter cor. between secs. 29 and 30; top of wild-cherry stump	939. 70
Basehor, 3 mi. W. and 1 mi. N. from, at approximate cor. secs. 19, 20, 29, and 30, T. 10 S., R. 22 E., 25 ft. W. and 68 ft. N. from center of crossroads, 2 ft. W. of fence, in concrete post; standard tablet stamped "T T 26 O 1934 950"	949. 461
Reference mark, about 65 ft. N. and 50 ft. E. from tablet, in root on E. side of 18-in. oak tree; nail and washer	943. 79
T. 10 S., R. 22 E., 2,010 ft. S. and 30 ft. E. from cor. secs. 17, 18, 19, and 20, at concrete steps to house, in lower step; chiseled square	847. 26
T. 10 S., R. 22 E., at cor. secs. 17, 18, 19, and 20, 180 ft. W. and 16 ft. S. from center of crossroads, on top of head wall of concrete culvert; chiseled square	853. 72
T. 10 S., R. 22 E., 155 ft. S. and 25 ft. W. from quarter cor. between secs. 17 and 18, on W. side of rd., in root on N. side of box-elder tree; nail and washer	894. 60
T. 10 S., R. 22 E., at cor. secs. 7, 8, 17, and 18, 20 ft. W. and 20 ft. S. from junction of E.-W. rd. and T-rd. S., in root on E. side of 36-in. elm tree; nail and washer	862. 95
T. 10 S., R. 22 E., 1,475 ft. N. and 10 ft. W. from quarter cor. between secs. 8 and 17, on top of W. head wall of concrete culvert; chiseled square	906. 23
Fairmount, 2.5 mi. W. of, at approximate quarter cor. between secs. 5 and 8, T. 10 S., R. 22 E., 1,270 ft. S. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 27 O 1934"	961. 457
Reference mark, 8 ft. N. and 144 ft. E. from center of above-mentioned crossroads, on N. end of steel culvert pipe; chiseled square	948. 71
T. 10 S., R. 22 E., 28 ft. N. and 30 ft. W. from center of sec. 5, in root on E. side of twin elm tree; nail and washer	962. 54
T. 10 S., R. 22 E., in NW¼ sec. 5, at point 1,637 ft. N. and 20 ft. W. from center of section, in root on E. side of elm tree; nail and washer	987. 45
T. 9 S., R. 22 E., in NW¼ sec. 32, 275 ft. N. and 30 ft. W. from junction of N.-S. highway and T-rd. W., in root on E. side of cottonwood tree; nail and washer	983. 22
T. 9 S., R. 22 E., about 430 ft. S. and 20 ft. E. from sixteenth cor. between SW¼ and SE¼ sec. 29, on top of E. head wall of concrete culvert; chiseled square	1, 010. 59
Little Stranger Church, about 0.5 mi. S. of, at quarter cor. between secs. 28 and 29, T. 9 W., R. 22 E., 18 ft. S. and 30 ft. W. from junction of T-rd. W.; iron post stamped "1043"	1, 041. 234
Reference mark, 30 ft. E. of above-mentioned post, on concrete culvert; chiseled square	1, 040. 97
Little Stranger Church, 0.05 mi. W. of, about 4 mi. (air line) W. of Lansing, at approximate cor. secs. 20, 21, 28, and 29, T. 9 S., R. 22 E., 41 ft. N. and 43 ft. W. from center of crossroads, in concrete post; standard tablet stamped "T T 28 O 1934"	1, 038. 992

Reference mark, 76 ft. S. and 332 ft. W. from tablet, 30 ft. S. and 375 ft. W. from center of crossroads, on N. side of residence, in NE. corner of concrete floor of porch; chiseled square-----	Feet 1,043.26
Little Stranger Church, 0.5 mi. E. of, 1.4 mi. SW. of Hazel Dell School, about 10 ft. S. and 42 ft. E. from quarter cor. between secs. 21 and 28, T. 9 S., R. 22 E., in root on N. side of elm tree; nail and washer--	957.16
In northwest corner of quadrangle on east-west road between Little Stranger Church and Central (District 9) School (by R. F. Gallup in 1934; part of double-run tie line west and north to point in Oak Mills quadrangle)	
Little Stranger Church, 1.1 mi. W. of, 0.3 mi. E. of Little Stranger Creek, 20 ft. S. and 510 ft. W. from crossroads at cor. secs. 19, 20, 29, and 30, T. 9 S., R. 22 E., in top of 24-in. oak stump; nail-----	925.01
From Lansing, Leavenworth quadrangle, southeast along State Highway 5 and Missouri Pacific Railroad into Armourdale quadrangle (by R. F. Gallup in 1934)	
Lansing, at Kansas State Penitentiary, on S. side of depot and rest room, in SE. corner of concrete step; chiseled square-----	852.07
Kansas State Penitentiary, 0.4 mi. SE. of, near quarter cor. on S. side of sec. 19, T. 9 S., R. 23 E., on S. side of rd. leading to Union Pacific R. R. sta., in root on N. side of oak tree; nail and washer-----	834.32
Kansas State Penitentiary, 0.6 mi. SE. of, near quarter cor. on S. side of sec. 19, T. 9 S., R. 23 E., at highway bridge E. of Union Pacific R. R. pile trestle, in S. end of E. pier; chiseled square-----	775.30
T. 9 S., R. 23 E., about 0.2 mi. E. of cor. secs. 19 and 20, in root on E. side of walnut tree; nail and washer-----	875.23
T. 9 S., R. 23 E., near quarter corner between secs. 20 and 29, 26 ft. N. and 25 ft. W. from junction of State Highway 5 and T-rd. SW., in root on E. side of maple tree; nail and washer-----	877.15
Delaware triangulation sta. of Missouri River Commission; cap of iron pipe-----	958.765
Delaware triangulation sta., about 120 ft. W. and 4 ft. N. from, in root on N. side of oak tree; nail and washer-----	950.52
T. 9 S., R. 23 E., near center sec. 29, on W. side of State Highway 5, in root on N. side of elm tree; nail and washer-----	910.88
T. 9 S., R. 23 E., at cor. secs. 28, 29, 32, and 33, 20 ft. W. and 20 ft. S. from junction of State Highway 5 and T-rd. W., at fence corner, in root on E. side of large oak tree; nail and washer-----	894.75
Williams School, 1.3 mi. W. of, at S. cor. between secs. 32 and 33, T. 9 S., R. 23 E., 1.0 mi. N. of Leavenworth-Wyandotte county line, 35 ft. S. and 27 ft. W. from crossroads, in root on E. side of elm tree; copper nail and washer-----	880.56
Williams School, 0.8 mi. W. of, at quarter cor. on S. side of sec. 33, T. 9 S., R. 23 E., at right-angle bend in State Highway 5, 18 ft. N. and 18 ft. E. from junction of highway and rd. W., on stone head wall of culvert; chiseled square-----	832.40
Williams School, 0.1 mi. NW. of, near NW. cor. sec. 3, T. 10 S., R. 23 E., on State Highway 5, about 500 ft. S. of T-junction, at concrete bridge over Little Snell Creek, on S. end of curb of E. girder; chiseled square-----	775.75
Williams School, in yard of, near NW. cor. sec. 3, T. 10 S., R. 23 E., 0.1 mi. SE. of Little Snell Creek, 103 ft. S. and 60 ft. E. from SE. corner of schoolhouse, in concrete post; standard tablet stamped "3 G 1934 817"-----	816.776

Reference mark, at concrete steps to above-mentioned schoolhouse, 14 ft. W. and 7 ft. S. from SE. corner of building, on W. end of second step; chiseled square-----	<i>Feet</i> 809. 60
Williams School, 0.4 mi. SE. of, about 0.2 mi. NW. of center of sec. 3, T. 10 S., R. 23 E., at top of hill, on top of concrete foundation of gasoline pump; chiseled square-----	916. 46
Williams School, about 1.3 mi. SE. of, near NW. cor. sec. 11, T. 10 S., R. 23 E., 25 ft. W. of end of concrete pavement, on W. end of concrete pipe, chiseled square-----	787. 13
Williams School, 1.3 mi. SE. of, near NW. cor. sec. 11, T. 10 S., R. 23 E., 72 ft. E. and 21 ft. N. from junction of State Highway 5 and T-rd. S., on N. side of highway, on top of W. head wall of concrete culvert; chiseled square-----	773. 87
Wolcott, 1.3 mi. by R. R. NW. of, 1.7 mi. SE. of Williams School, at Missouri Pacific R. R. bridge over Island Creek (bridge 78), on W. end of S. abutment; chiseled square-----	764. 05
Wolcott, 0.8 mi. NW. of, near NE. cor. of SE¼ sec. 11, T. 10 S., R. 23 E., at electric semaphore 299.4, on top of NE. anchor bolt; chiseled square-----	759. 90
Wolcott, in addition known as Connor, in SW¼ sec. 12, T. 10 S., R. 23 E., 106 ft. E. and 23 ft. S. from crossing of Elm Street and main track of R. R., in yard of Alfred Davis, in concrete post; standard tablet stamped "4 G 1934 758"-----	757. 797
Wolcott, in sta. park, at semaphore 298.6 R, on top of NE. anchor bolt; chiseled square-----	763. 28
Wolcott, 0.7 mi. by R. R. SE. of, near NE¼ sec. 13, T. 10 S., R. 23 E., at SW. corner of concrete base of electric signal box; chiseled square-----	762. 30
Wolcott, 1.2 mi. SE. of, 1.4 mi. NW. of Pomeroy, at semaphore 297.6 L., on top of NE. anchor bolt; chiseled square-----	756. 40
Pomeroy, 0.5 mi. NW. of, at Mo. Pac. R. R. bridge over Marshall Creek (bridge 76), on E. end of S. floor beam; chiseled square----	756. 43
Pomeroy, in village of, on R. R. tracks just S. of wooden pile trestle 75A, at semaphore 296A, on top of NW. corner of concrete foundation; chiseled square-----	757. 48
Pomeroy, in village of, near quarter cor. on N. side of sec. 20, T. 10 S., R. 24 E., just W. of R. R. tracks, 265 ft. E. and 17 ft. S. from SE. corner of old stone flour mill, in concrete post; standard tablet stamped "5 G 1934 754"-----	753. 943
Reference mark, 30 ft. S. of tablet, on W. side of R. R. right of way, in root on E. side of large maple tree; copper nail and washer-----	754. 46
Pomeroy, 0.8 mi. by R. R. SE. of, near NW. cor. sec. 21, T. 10 S., R. 24 E., at electric signal box, on top of SE. corner of concrete foundation; chiseled square-----	758. 60

From point on U. S. Highway 40 about 2 miles west of Maywood north along road to its intersection with east-west road at point 1.3 miles west of Williams School (by R. F. Gallup in 1934)

Piper, 0.6 mi. S. of, just S. of quarter cor. between secs. 32 and 33, T. 10 S., R. 23 E., 0.4 mi. N. of junction of route rd. with U. S. Highway 40, on W. head wall of concrete culvert; chiseled square--	989. 57
Piper, at cor. secs. 28, 29, 32, and 33, T. 10 S., R. 23 E., 18 ft. N. and 22 ft. E. from crossroads, on concrete foundation of gasoline pump; chiseled square-----	963. 32

Piper, 1.0 mi. N. of, near cor. secs. 20, 21, 28, and 29, T. 10 S., R. 23 E., 245 ft. N. and 20 ft. W. from crossroads, on top of tree stump; copper nail and washer-----	Feet 951. 25
Piper, 1.5 mi. N. of, near E. quarter cor. sec. 20, T. 10 S., R. 23 E., on W. side of rd., in root on E. side of walnut tree; nail and tin washer-----	971. 09
Piper, 1.9 mi. N. of, near NE. cor. sec. 20 (NW. cor. sec. 21?), T. 10 S., R. 23 E., 658 ft. S. and 23 ft. W. (E.?) from crossroads, in concrete post; standard tablet stamped "T T 29 O 1934"-----	945. 642
Reference mark, 33 ft. N. and 18 ft. W. from tablet, in root on E. side of 8-in. walnut tree; copper nail and washer-----	944. 70
T. 10 S., R. 23 E., at cor. secs. 16, 17, 20, and 21, 16 ft. E. and 20 ft. S. from crossroads, on granite block; chiseled square-----	900. 03
Piper, 2.5 mi. N. of, at quarter cor. between secs. 16 and 17, T. 10 S., R. 23 E., 78 ft. W. of junction of T-rd. E., on W. head wall of concrete culvert; chiseled square-----	837. 73
Piper, 2.8 mi. N. of, near cor. secs. 8, 9, 16, and 17, T. 10 S., R. 23 E., 0.2 mi. S. of crossroads, at steel highway bridge over Island Creek, on N. end of W. truss; top of post supporting hand rail-----	843. 90
Piper, 3.0 mi. N. of, at cor. secs. 8, 9, 16, and 17, T. 10 S., R. 23 E., 0.2 mi. N. of Island Creek, 18 ft. E. and 16 ft. N. from crossroads, in root on W. side of elm tree; copper nail and washer-----	856. 39
Piper, 3.4 mi. N. of, 0.6 mi. S. of Wyandotte-Leavenworth county line, about 65 ft. S. and 18 ft. E. from NW. cor. SW¼ sec. 9, T. 10 S., R. 23 E., on E. head wall of concrete culvert; chiseled square--	895. 02
Wallula, 2 mi. E. and 1 mi. N. from, 3.7 mi. N. of Piper, 1,304 ft. S. and 23 ft. E. from N. cor. secs. 8 and 9, T. 10 S., R. 23 E., 0.2 mi. S. of Wyandotte-Leavenworth county line, at top of hill, 23 ft. E. of center line of N.-S. rd., 11 ft. N. of hedge-fence line, in concrete post; standard tablet stamped "T T 30 O 1934"-----	964. 297
T. 10 S., R. 23 E., near N. cor. secs. 8 and 9, on Wyandotte-Leavenworth county line, 50 ft. S. and 15 ft. E. from junction of T-rd., on E. head wall of concrete culvert; chiseled square-----	888. 18
T. 9 S., R. 23 E., about 20 ft. E. of NW. cor. of SW¼ sec. 4, 0.5 mi. S. of intersection of route rd. and E.-W. rd. (E. to Williams School), 0.5 mi. N. of Leavenworth-Wyandotte county line, on knot near ground on corner post; nail and washer-----	869. 98

CHEROKEE QUADRANGLE

[Latitude 37°15'-37°30'; longitude 94°45'-95°]

CHEROKEE AND CRAWFORD COUNTIES

From Columbus quadrangle at point near its northwest corner north along road about 0.2 mile to crossroads, thence east along road near south border of Cherokee quadrangle into Pittsburg quadrangle (by F. L. Whaley in 1916; leveled twice)

T. 32 S., R. 22 E., 25 ft. S. and 18 ft. W. from cor. secs. 15, 16, 21, and 22, at SW. corner of crossroads; iron post stamped "Prim Trav Sta No 18 1916 874"-----	870. 923
T. 32 S., R. 22 E., 10 ft. S. and 27 ft. W. from center of crossroads at cor. secs. 14, 15, 22, and 23, in SE. wing wall of concrete culvert; chiseled square-----	868. 56
T. 32 S., Rs. 22 and 23 E., 15 ft. N. and 150 ft. E. from center of crossroads at cor. secs. 13, 18, 19, and 24, on N. side of E.-W. rd.; iron post stamped "880 1916"-----	877. 141

Reference mark, 8 ft. S. and 135 ft. W. from above-mentioned iron post, 7 ft. N. and 15 ft. E. from center of crossroads, on top of square sandstone rock in N. end of stone culvert; chiseled square-----	<i>Feet</i> 873. 75
T. 32 S., R. 23 E., at SW. cor. sec. 17, about 0.3 mi. W. of Cherry Creek, 10 ft. N. and 25 ft. E. from junction of T-rd. N., at N. end of concrete culvert, on top of guard wall; chiseled square-----	857. 06
Cherry Creek, under iron bridge; surface of water July 22, 1916-----	848. 9
T. 32 S., R. 23 E., 9 ft. N. and 18 ft. E. from center of crossroads at cor. secs. 16, 17, 20, and 21, 0.7 mi. E. of Cherry Creek, on top of N. guard wall of concrete culvert; chiseled square-----	869. 36
T. 32 S., R. 23 E., 20 ft. S. and 25 ft. E. from cor. secs. 15, 16, 21, and 22, at SE. corner of crossroads; iron post stamped "Prim Trav Sta No 17 1916 900"-----	897. 521
T. 32 S., R. 23 E., 15 ft. N. and 50 ft. W. from center of crossroads at cor. secs. 14, 15, 22, and 23, 0.5 mi. W. of Little Cherry Creek, in root of 14-in. wild-cherry tree; copper nail and washer-----	890. 15
T. 32 S., R. 23 E., 12 ft. N. and 21 ft. E. from center of crossroads at cor. secs. 13, 14, 23, and 24, 0.5 mi. E. of Little Cherry Creek, on top of N. guard wall of concrete bridge; chiseled square-----	886. 53
Skidmore, in NW. cor. sec. 19, T. 32 S., R. 24 E., in NW. cor. of schoolyard; iron post stamped "914 1916" (tied to U. S. C. & G. S. line in 1935)-----	911. 575
Reference mark, 500 ft. E. of SW. cor. sec. 18, T. 32 S., R. 24 E., at NW. corner of highway crossing of interurban railway, in base of transmission-line pole; rail spike driven horizontally-----	916. 06
Skidmore, 3 mi. E. of, in SE. cor. sec. 16, T. 32 S., R. 24 E., 24 ft. N. and 20 ft. W. from center of crossroads; iron post stamped "927.4"-----	924. 648
Reference mark, 12 ft. S. and 7 ft. E. from above-mentioned iron post, 12 ft. N. and 13 ft. W. from crossroads, at N. end of concrete culvert; chiseled square-----	922. 78
Skidmore, 4 mi. E. of, 14 ft. N. and 12 ft. W. from center of crossroads at cor. secs. 14, 15, 22, and 23, T. 32 S., R. 24 E., in W. end of concrete culvert; chiseled square-----	893. 30

COLUMBUS QUADRANGLE

[Latitude 37°-37°15'; longitude 94°45'-95°]

CHEROKEE COUNTY

From Galena quadrangle near Baxter Springs west and south along roads into Wyandotte quadrangle (by F. L. Whaley in 1916)

Baxter Springs, about 1.5 mi. W. of city hall, 0.8 mi. NE. of Mount Hope School, 30 ft. W. and 12 ft. N. from center of crossroads at quarter cor. between secs. 2 and 3, T. 35 S., R. 24 E., in root of hard-maple tree; copper nail and washer-----	840. 85
Mount Hope School, 1.7 mi. W. of, near NE. corner of crossroads at cor. secs. 4, 5, 8, and 9, T. 35 S., R. 24 E., at E. end of concrete culvert; chiseled square-----	836. 70

From Wyandotte quadrangle near Squaw and Slow Creeks north along road by way of Hallowell into Cherokee quadrangle (by F. L. Whaley in 1916; second half of line leveled twice)

Fairview School, 1.0 mi. S. of, 280 ft. S. of center of crossroads at cor. secs. 9, 10, 15, and 16, T. 35 S., R. 22 E., on E. side of N.-S. rd., in root of large hard-maple tree; copper nail and washer-----	797. 97
--	---------

Fairview School, in NE. cor. sec. 9, T. 35 S., R. 22 E., at SW. corner of crossroads, at entrance of school, in N. end of concrete floor; chiseled square	Feet 815. 06
Fairview School, 1.0 mi. N. of, 1.0 mi. S. of Pleasant Valley School, in NW. corner of crossroads at cor. secs. 33, 34, 3, and 4, Tps. 34 and 35 S., R. 22 E., at corner of fence, in root of hedge tree; copper nail and washer	809. 65
Pleasant Valley School, in NW. cor. sec. 34, T. 34 S., R. 22 E., at crossroads, at entrance to school, in N. end of second concrete step; chiseled square	807. 87
Pleasant Valley School, 1.0 mi. N. of, at crossroads at NE. cor. sec. 28, T. 34 S., R. 22 E., in corner of field; iron post stamped "823 1916"	820. 434
Pleasant Valley School, 2.0 mi. N. of, 4.0 mi. S. of Globe School, 0.7 mi. S. of Fly Creek, 21 ft. E. and 18 ft. S. from center of crossroads at cor. secs. 15, 16, 21, and 22, T. 34 S., R. 22 E., in root of forked hard-maple tree; copper nail and washer	818. 27
Fly Creek, under iron bridge; surface of water Aug. 18, 1916	793. 7
Globe School, 3.0 mi. S. of, about 0.3 mi. N. of Fly Creek, 200 ft. SE. of center of crossroads at cor. secs. 9, 10, 15, and 16, T. 34 S., R. 22 E., in front yard of Steven dwelling, in root of 24-in. pine tree; copper nail and washer	816. 44
Globe School, 2.0 mi. S. of, at cor. secs. 3, 4, 9, and 10, T. 34 S., R. 22 E., in SE. corner of crossroads; iron post stamped "833 1916"	830. 231
Globe School, in T. 33 S., R. 22 E., 25 ft. S. and 25 ft. E. from cor. secs. 27, 28, 33, and 34, at SE. corner of crossroads; iron post stamped "Prim Trav Sta 19 1916 839"	836. 768
Cherry Creek, under iron bridge; surface of water July 20, 1916	803. 0
Hallowell, at cor. secs. 9, 10, 15, and 16, T. 33 S., R. 22 E., at SW. corner of crossroads, at school, in NE. corner of schoolyard; iron post stamped "850 1916" (recovered by U. S. C. & G. S. in 1933)	847. 541
Reference mark, at entrance to school, in concrete floor of porch; chiseled square	848. 23
Crossroads School, at cor. secs. 3, 4, 33, and 34, T. 33 S., R. 22 E., 35 ft. N. and 24 ft. W. from center of crossroads, 6 ft. N. and 2 ft. E. from SE. corner of schoolyard; iron post stamped "875 1916"	872. 239
Reference mark, 7 ft. S. and 33 ft. E. from above-mentioned iron post, 27 ft. N. and 9 ft. E. from center of crossroads, at N. end of concrete culvert, in top of guard wall; chiseled square	873. 09
Crossroads School, 1.0 mi. N. of, 40 ft. S. and 9 ft. W. from center of crossroads at cor. secs. 27, 28, 33, and 34, T. 32 S., R. 22 E., at N. end of concrete culvert, in top of guard wall; chiseled square	850. 84
Crossroads School, 2.0 mi. N. of, 1.0 mi. W. of Rising Sun School, 0.5 mi. N. of Deer Creek, 22 ft. N. and 6 ft. W. from center of crossroads at cor. secs. 21, 22, 27, and 28, T. 32 S., R. 22 E., in W. end of concrete culvert; chiseled square	865. 04

From Cherokee quadrangle near Little Shawnee Creek south along road to Quaker station (by F. L. Whaley in 1916; leveled twice)

Sharon School, 3.0 mi. N. of, about 4 mi. E. of Skidmore, 0.6 mi. S. of Little Shawnee Creek, 18 ft. S. and 12 ft. E. from center of crossroads at cor. secs. 22, 23, 26, and 27, T. 32 S., R. 24 E., in E. end of small concrete culvert; chiseled square	910. 94
Sharon School, 2.0 mi. N. of, 15 ft. S. and 8 ft. E. from center of crossroads at cor. secs. 26, 27, 34, and 35, T. 32 S., R. 24 E., in E. end of concrete culvert; chiseled square	902. 38

Sharon School, 1.0 mi. N. of, at SE. cor. sec. 34, T. 32 S., R. 24 E., at NW. corner of crossroads, at corner of hedge fence, in root of 18-in. maple tree; copper nail and washer-----	<i>Feet</i> 874. 59
Sharon School, 180 ft. NW. of center of crossroads at cor. secs. 2, 3, 10, and 11, T. 33 S., R. 24 E., at entrance to school, on N. end of bottom concrete step; chiseled square-----	898. 85
Sharon School, 1.0 mi. S. of, about 3 mi. N. of Quaker sta. on Missouri-Kansas-Texas R. R., in SE. corner of crossroads at cor. secs. 10, 11, 14, and 15, T. 33 S., R. 24 E., 3 ft. S. and 2 ft. W. from NW. corner of yard in front of dwelling of S. J. Hannon; iron post stamped "909 1916" (tied to U. S. C. & G. S. line in 1935)-----	907. 068
Reference mark, 160 ft. S. of center of above-mentioned crossroads, on E. side of N.-S. rd., in root of 16-in. hedge tree; copper nail and washer-----	907. 32
Quaker sta., 2.1 mi. N. of, 14 ft. N. and 10 ft. E. from center of crossroads at cor. secs. 14, 15, 22, and 23, T. 33 S., R. 24 E., in top of large sandstone block used as capstone for E. end of iron culvert; chiseled square-----	944. 87
Quaker sta., 1.1 mi. N. of, 210 ft. S. of center of crossroads at cor. secs. 22, 23, 26, and 27, T. 33 S., R. 24 E., on top of guard wall in E. end of concrete culvert; chiseled square-----	880. 54
From Galena quadrangle just south of Timbered Hills west along road to Globe School (by F. L. Whaley in 1916; second half of line leveled twice)	
Quaker sta. (on Joplin branch of Missouri-Kansas-Texas R. R.), about 1.2 mi. N. of, at NE. corner of crossroads at cor. secs. 26, 27, 34, and 35, T. 33 S., R. 24 E., on top of N. guard wall of concrete culvert; chiseled square-----	871. 99
Capron School, 0.3 mi. E. of, 1 mi. W. of Quaker sta., 100 ft. E. of S. cor. secs. 27 and 28, T. 33 S., R. 24 E., at junction of E.-W. rd. and T-rd. N., on S. side of E.-W. rd., in top of flat rock near small drain; chiseled square-----	840. 61
Capron School, 0.7 mi. W. of, about 0.3 mi. E. of crossing of Brush Creek, at S. cor. secs. 28 and 29, T. 33 S., R. 24 E., at NE. corner of junction of route rd. and T-rd. N., at E. end of concrete culvert, on top of guard wall; chiseled square-----	845. 24
Brush Creek, at iron bridge over; surface of water July 15, 1916-----	831. 8
Brush Creek, 0.8 mi. W. of, 3.0 mi. E. of Mitchell School, 15 ft. S. and 170 ft. W. from center of crossroads at cor. secs. 29, 30, 31, and 32, T. 33 S., R. 24 E., on S. side of E.-W. rd.; iron post stamped "892 1917"-----	889. 759
Reference mark 1, 15 ft. SE. of center of above-mentioned crossroads, on top of sandstone ledge; chiseled square-----	885. 53
Reference mark 2, 23 ft. NE. of center of above-mentioned crossroads, on top of sandstone ledge near drain; chiseled square-----	883. 64
Mitchell School, 2.0 mi. E. of, about 2.5 mi. S. of Columbus, 0.5 mi. N. of Morrow School, 30 ft. NW. of center of crossroads at cor. secs. 25, 30, 31, and 36, T. 33 S., Rs. 23 and 24 E., on N. guard wall of concrete culvert; chiseled square-----	896. 10
Mitchell School, 60 ft. SW. of center of crossroads at cor. secs. 26, 27, 34, and 35, T. 33 S., R. 23 E., 30 ft. S. of SW. corner of school building, in base of catalpa tree at point 3 ft. above ground; copper nail and washer-----	888. 04

Mitchell School, 1.0 mi. W. of, 25 ft. S. and 35 ft. E. from cor. secs. 27, 28, 33, and 34, T. 33 S., R. 23 E., at SE. corner of crossroads; iron post stamped "Prim Trav Sta 20 1916 884"-----	Feet 881. 425
Mitchell School, 2.0 mi. W. of, 1.0 mi. S. of Jenesse School, 260 ft. E. of crossroads at cor. secs. 28, 29, 32, and 33, T. 33 S., R. 23 E., on N. guard wall of concrete culvert over small drain; chiseled square-----	863. 97
Globe School, 3.0 mi. E. of, at NW. cor. sec. 31, T. 33 S., R. 23 E., in SE. corner of crossroads; iron post stamped "889 1916"-----	886. 486
Reference mark, NW. of above-mentioned iron post, in SE. cor. sec. 25, T. 33 S., R. 22 E., 42 ft. N. of E.-W. rd., on E. side of driveway to residence of John Sales, in root of 14-in. maple tree; copper nail and washer-----	887. 40
Globe School, 2.0 mi. E. of, 15 ft. N. and 8 ft. E. from center of crossroads at cor. secs. 25, 26, 35, and 36, T. 33 S., R. 22 E., at E. end of wooden bridge, on top of flat sandstone rock; chiseled square-----	846. 46
Globe School, 1.0 mi. E. of, 10 ft. N. and 25 ft. W. from center of crossroads at cor. secs. 26, 27, 34, and 35, T. 33 S., R. 22 E., in N. end of concrete culvert; chiseled square-----	843. 87

From Galena quadrangle south of Joplin branch of Missouri-Kansas-Texas Railroad west along road to point 0.9 mile south of Quaker station, thence south to point 1 mile south of Pleasant View School, thence west to point 1 mile north of Pleasant Valley School (by F. L. Whaley in 1916)

Quaker sta., 1.0 mi. S. of, about 1 mi. N. of Brush Creek School, 48 ft. E. and 12 ft. S. from junction of T-rd. E. at cor. secs. 2, 3, 34, and 35, Tps. 33 and 34 S., on top of brown-sandstone rock; chiseled square--	949. 32
Brush Creek School, 230 ft. S. of center of crossroads at cor. secs. 2, 3, 10, and 11, T. 34 S., R. 24 E., at entrance to schoolhouse, on S. end of bottom step; chiseled square-----	860. 51
Brush Creek School, 1 mi. S. of, 1.0 mi. N. of Pleasant View School, at SW. corner of crossroads at cor. secs. 10, 11, 14, and 15, T. 34 S., R. 24 E., on bank of drain, in root of 18-in. elm tree; copper nail and washer-----	808. 77
Brush Creek, at ford near quarter cor. between secs. 14 and 15, T. 34 S., R. 24 E.; surface of water August 3, 1916-----	793. 7
Pleasant View School, 200 ft. NW. of center of crossroads at cor. secs. 14, 15, 22, and 23, T. 34 S., R. 24 E., at entrance to schoolhouse, on E. side of concrete platform; chiseled square-----	846. 34
Pleasant View School, 1.0 mi. S. of, 0.3 mi. E. of Frisco Ry., at SW. corner of crossroads at cor. secs. 22, 23, 26, and 27, T. 34 S., R. 24 E., 10 ft. W. of fence corner; iron post stamped "853 1917"-----	850. 340
Reference mark, 960 ft. W. of above-mentioned crossroads, at SE. corner of yard of dwelling of C. W. Shank, in root of 12-in. walnut tree; copper nail and washer-----	854. 06
T. 34 S., R. 24 E., in SW. corner of crossroads at cor. secs. 21, 22, 27, and 28, 0.7 mi. W. of Frisco Ry., in root of 24-in. hard-maple tree; copper nail and washer-----	846. 92
Elm Tree School, 0.6 mi. S. of, in NE. corner of crossroads at cor. secs. 20, 21, 28, and 29, T. 34 S., R. 24 E., in guard wall at E. end of concrete culvert; chiseled square-----	856. 05
T. 34 S., R. 24 E., 10 ft. W. of SW. corner of crossroads at cor. secs. 19, 20, 29, and 30, 2 ft. N. of E.-W. fence; iron post stamped "866 1917"-----	863. 816
Reference mark, in SW. corner of above-mentioned crossroads, 10 ft. S. of fence corner, in root of tall 18-in. poplar tree; nail and washer--	863. 45

T. 34 S., Rs. 23 and 24 E., 900 ft. W. of center of crossroads at cor. secs. 19, 24, 25, and 30, in front of dwelling of Gage Stusse, on S. side of E.-W. rd., in root of 14-in. hedge tree; copper nail and washer-----	Feet 897. 09
Tar Valley School, 2.7 mi. N. of, on rd. from Columbus, 21 ft. S. and 7 ft. W. from center of crossroads at cor. secs. 23, 24, 25, and 26, T. 34 S., R. 23 E., in W. end of concrete culvert; chiseled square----	902. 88
T. 34 S., R. 23 E., in SW. corner of crossroads at cor. secs. 22, 23, 26, and 27, in S. end of concrete culvert; chiseled square-----	915. 93
T. 34 S., R. 23 E., 45 ft. E. and 15 ft. N. from center of crossroads at cor. secs. 21, 22, 27, and 28; iron post stamped "884 1916"-----	881. 943
Mount Pisgah School, 1.0 mi. E. of, in SW. corner of crossroads at cor. secs. 20, 21, 28, and 29, T. 34 S., R. 23 E., in root of 18-in. catalpa tree; copper nail and washer-----	868. 37
Mount Pisgah School, 16 ft. N. and 9 ft. W. from center of crossroads at cor. secs. 19, 20, 29, and 30, T. 34 S., R. 23 E., in W. end of concrete culvert; chiseled square-----	846. 41
Mount Pisgah School, 1.0 mi. W. of, in SW. corner of crossroads at cor. secs. 19, 30, 24, and 25, T. 34 S., Rs. 22 and 23 E., 4 ft. W. of corner fence post; iron post stamped "887 1916"-----	884. 069
Melrose, 2 mi. N. of, 18 ft. S. and 10 ft. E. from center of crossroads at cor. secs. 23, 24, 25, and 26, T. 34 S., R. 22 E., at E. end of stone culvert, on top of sandstone block in N. wing wall; chiseled square--	847. 06
T. 34 S., R. 22 E., 500 ft. E. of cor. secs. 22, 23, 26, and 27, 190 ft. E. of mail box in front of dwelling of A. R. Nash, on top of N. guard wall of small concrete bridge; chiseled square-----	817. 57

From Cherokee quadrangle at point 1 mile west of Skidmore School south along road by way of Columbus to point 1 mile east of Mitchell School (by F. L. Whaley in 1916)

Bellevue School, about 0.3 mi. E. of, 1.5 mi. S. and W. from Skidmore, 181 ft. S. and 4 ft. W. from center of crossroads at cor. secs. 23, 24, 25, and 26, T. 32 S., R. 23 E., in W. guard wall of concrete bridge; chiseled square-----	887. 95
Stippville, 1.0 mi. W. of, 24 ft. E. and 24 ft. S. from center of crossroads at cor. secs. 25, 26, 35, and 36, T. 32 S., R. 23 E., near fence corner; iron post stamped "905 1917"-----	902. 523
Center Star School, 1.0 mi. E. of, 2.5 mi. N. of Columbus, at cor. secs. 1, 2, 35, and 36, Tps. 32 and 33 S., R. 23 E., at SW. corner of crossroads, in fork projection of corner fence post; copper nail and washer-----	895. 38
Columbus, 1.5 mi. N. of, 33 ft. S. and 8 ft. E. from center of crossroads at cor. secs. 1, 2, 11, and 12, T. 33 S., R. 23 E., in top of E. guard wall of concrete culvert; chiseled square-----	900. 33
Columbus, about 0.5 mi. N. of, at cor. secs. 11, 12, 13, and 14, T. 33 S., R. 23 E., 300 ft. N. of sandstone marker of section corner, at concrete bridge over Brush Creek, on top of S. end of W. guard wall; chiseled square-----	894. 82
Columbus, 0.5 mi. W. of courthouse, 50 ft. SE. of quarter cor. between secs. 13 and 14, T. 33 S., R. 23 E., at SE. corner of Maple and High School Streets, in concrete sidewalk; chiseled square-----	903. 49
Columbus, 0.5 mi. W. of courthouse, at NE. corner of Maple and High School Streets, on top of fire plug; head of bolt in S. side of top plate--	906. 03
Columbus, at courthouse, in SW. corner of stone floor of N. porch; standard tablet stamped "922 1916" (recovered by U. S. C. & G. S. in 1933)-----	918. 942

Columbus, about 1.5 mi. S. of, 80 ft. SE. of center of crossroads at cor. secs. 23, 24, 25, and 26, T. 33 S., R. 23 E., in NW. corner of yard in front of dwelling, in root of 18-in. pine tree; copper nail and washer.	Feet 912. 84
--	-----------------

From point 1 mile east of Mitchell School and 2.5 miles south of Columbus south along road to point 2.7 miles north of Tar Valley School (by F. L. Whaley in 1916)

Tps. 33 and 34 S., R. 23 E., 19 ft. N. and 6 ft. W. from center of crossroads at cor. secs. 1, 2, 35, and 36, at W. end of concrete culvert, on top of guard wall; chiseled square.	925. 99
T. 34 S., R. 23 E., at cor. secs. 1, 2, 11, and 12, in SW. corner of crossroads; iron post stamped "939 1916"	936. 353
Potter School, about 0.5 mi. E. of, 19 ft. S. and 13 ft. E. from center of crossroads at cor. secs. 11, 12, 13, and 14, T. 34 S., R. 23 E., at E. end of concrete culvert, on top of guard wall; chiseled square.	920. 06
T. 34 S., R. 23 E., 30 ft. N. and 60 ft. W. from center of crossroads at cor. secs. 13, 14, 23, and 24, 100 ft. S. of dwelling of J. B. Martin, in root of hard-maple tree; copper nail and washer.	979. 29

From point 2.7 miles north of Tar Valley School south along road into Wyandotte quadrangle (by F. L. Whaley in 1916)

T. 34 S., R. 23 E., 65 ft. S. and 23 ft. W. from center of crossroads at cor. secs. 25, 26, 35, and 36; iron post stamped "867 1916"	865. 011
Tar Valley School, 0.3 mi. S. of, about 1.2 mi. N. of Kansas-Oklahoma State line, 31 ft. N. and 22 ft. W. from center of crossroads at cor. secs. 1, 2, 11, and 12, T. 34 S., R. 23 E., in yard in front of dwelling of C. L. Pickering at point 20 ft. N. of its SE. corner, in root of hard-maple tree; copper nail and washer.	844. 96

GALENA QUADRANGLE^a

[Latitude 37°-37°15'; longitude 94°30'-94°45']

CHEROKEE COUNTY

From Columbus quadrangle near Baxter Springs east along road 4.9 miles, thence north by way of Galena to point on Missouri-Kansas State line in fractional sec. 12, T. 33 S., R. 25 E. (by D. C. Wray in 1900)

Baxter Springs, 51 ft. W. of SE. corner of city hall, in third course of stone below water table; aluminum tablet stamped "842 CRTHG"	839. 706
T. 35 S., R. 25 E., in NE. cor. sec. 11, 24 ft. W. of corner stone; iron post stamped "1016 CRTHG" (on spur line)	1, 013. 520
Galena, on W. side of Euclid Avenue, between 7th and 8th Streets, in foundation of school at point 2 ft. N. of its SE. corner; aluminum tablet stamped "976 CRTHG"	973. 650
T. 33 S., R. 25 E., in SE¼ sec. 12, 67 ft. S. of SE. corner of cemetery, 41 ft. S. and 31 ft. W. from junction of center lines of State-line rd. and old T-rd. W., 94 ft. N. of center line of State Highway 34 (Missouri Highway 16); iron post stamped "914 CRTHG" (tied to U. S. C. & G. S. in 1935; revised description)	911. 474

^a Part of this quadrangle lies in Missouri.

From NE. cor. T. 34 S., R. 24 E., west and north along roads to N. quarter cor. sec. 35, T. 33 S., thence west into Columbus quadrangle (by F. L. Whaley in 1916; leveled twice)

Quaker, 0.6 mi. E. of, 20 ft. N. of quarter cor. between secs. 26 and 35, T. 33 S., R. 24 E., 0.3 mi. N. of Joplin branch of Missouri-Kansas-Texas R. R., at junction of E.-W. rd. and T.-rd. S., on N. side of E.-W. rd.; iron post stamped "Prim Trav Sta No 15 1916 902"-----	Feet 899. 715
Tps. 33 and 34 S., R. 24 E., at quarter cor. between secs. 2 and 35, 0.7 mi. S. of Joplin branch of M.-K.-T. R. R., at NE. corner of junction of E.-W. rd. and T.-rd. N., at E. end of concrete culvert, on top of guard wall; chiseled square-----	853. 48

From NE. cor. T. 34 S., R. 24 E., north along road into Pittsburg quadrangle (by D. C. Wray in 1900; releveled by F. L. Whaley in 1916)

T. 34 S., R. 24 E., in NE. cor. sec. 1, about 0.03 mi. NE. of Missouri-Kansas-Texas R. R. tracks, 40 ft. S. and 30 ft. W. from section-corner stone in center of crossroads; iron post stamped "862 CRTHG"-----	859. 114
T. 33 S., Rs. 24 and 25 E., at cor. secs. 25, 30, 36, and 31, 12 ft. N. and 6 ft. E. from center of crossroads, in top of sandstone rock supporting E. end of wooden culvert; chiseled square-----	880. 83
T. 33 S., Rs. 24 and 25 E., 18 ft. N. and 6 ft. W. from center of crossroads, at cor. secs. 19, 24, 25, and 30, on top of sandstone rock at W. end of stone culvert; chiseled square-----	933. 76
T. 33 S., Rs. 24 and 25 E., 15 ft. E. and 9 ft. S. from center of crossroads, at cor. secs. 13, 18, 19, and 24, 0.5 mi. S. of crossing of St. Louis & San Francisco Ry., on S. end of concrete culvert; chiseled square-----	899. 74
T. 33 S., Rs. 24 and 25 E., 15 ft. S. and 8 ft. W. from center of crossroads, at cor. secs. 7, 12, 13, and 18, 0.9 mi. S. of Shawnee Creek, 0.5 mi. N. of crossing of St. Louis & San Francisco Ry., on W. end of concrete culvert; chiseled square-----	877. 45
T. 33 S., R. 24 E., in NE. cor. sec. 1, 1.2 mi. N. of Shawnee Creek, 0.7 mi. S. of Little Shawnee Creek, 40 ft. S. and 15 ft. W. from section-corner stone in center of crossroads; iron post stamped "893 CRTHG"-----	890. 702

From NE. cor. T. 33 S., R. 24 E., west along road into Columbus quadrangle (by F. L. Whaley in 1916)

Tps. 32 and 33 S., R. 24 E., at cor. secs. 1, 2, 35, and 36, 135 ft. E. and 15 ft. N. from center of crossroads, in root of hard-maple tree; nail-----	883. 73
--	---------

From iron post stamped "914 CRTHG", on Missouri-Kansas State line, south-east along road to U. S. C. & G. S. B. M. designated "P 20 1933", in Smithfield, Mo. (by A. C. McCutchen in 1935; double-run tie line)

Smithfield, Mo., about 1 mi. NW. of, on Kansas-Missouri State line, about 0.4 mi. S. of State Highway 34 (Missouri Highway 16), 43 ft. N. and 17 ft. E. from junction of center lines of State-line rd. and T.-rd. E., in root on SW. side of 12-in. elm tree; copper nail and washer (in Mo.)-----	850. 18
---	---------

GARDEN CITY QUADRANGLE

[Latitude 37°30'-38°; longitude 100°30'-101°]

FINNEY, GRAY, AND HASKELL COUNTIES

From Garden City west along Atchison, Topeka & Santa Fe Railway into Lakin quadrangle (by J. C. Barber in 1896)

Feet

Garden City, in front of telegraph office, on R. R. tracks; top of rail..	2, 835. 7
Garden City, on main street, in wall of old county courthouse, now occupied by George W. Finnup Land Co., at point 6 in. E. of its SE. corner and 2 ft. above sidewalk; standard tablet stamped "G 0 2832" (as recovered by U. S. C. & G. S. in 1933)	2, 838. 705
Garden City, on Grant Avenue, in S. wall of First National Bank building, 4 ft. W. of S. entrance, 1 ft. above sidewalk; standard tablet stamped "G 1 2830" (as recovered by U. S. C. & G. S. in 1933)	2, 838. 157
Holcomb, 3 mi. W. of, 3.8 mi. SE. of Holcomb, near N. quarter cor. sec. 15, T. 24 S., R. 33 W., 48 ft. S. of R. R. track; iron post stamped "G 2 2853"	2, 861. 022
Holcomb, 0.8 mi. SE. of, 450 ft. N. and 70 ft. W. from E. quarter cor. sec. 7, T. 24 S., R. 33 W., about 200 yd. W. of milepost 408, 35 ft. S. of center line of R. R. tracks; iron post stamped "G 3 2870" (as recovered by U. S. C. & G. S. in 1934)	2, 877. 993

GRANADA QUADRANGLE¹

[Latitude 38°-38°30'; longitude 102°-102°30']

GREELEY AND HAMILTON COUNTIES

From Tribune quadrangle west along Atchison, Topeka & Santa Fe Railway to Colorado-Kansas State line (by M. C. McFarlane in 1897)

Coolidge, 1.4 mi. W. of sta., in T. 23 S., R. 43 W., on W. side of sec. 22 and 23 ft. S. of its NW. cor., about 0.2 mi. E. of Colorado-Kansas State line, 0.2 mi. W. of milepost 470, 45 yd. S. of U. S. Highway 50, 40 ft. S. of center line of track; iron post stamped "G 22 3353" (as recovered by U. S. C. & G. S. in 1934)	3, 360. 879
--	-------------

HIAWATHA QUADRANGLE

[Latitude 39°30'-40°; longitude 95°30'-96°]

ATCHISON, BROWN, JACKSON, AND NEMAHIA COUNTIES

From point on Kansas-Nebraska State line 2.5 miles south of Preston, Nebr., west along State-line road to point near SW. cor. sec. 35, T. 1 N., R. 15 E. (Nebr.) (by R. R. Monbeck in 1913)

Preston, Nebr., 2.5 mi. S., thence 0.3 mi. W. from, in SE¼ sec. 32, T. 1 N., R. 17 E. (Nebr.), 250 ft. N. of State-line rd., at barn on Ingold farm, in S. wall of foundation; standard tablet stamped 1028 Prim Trav Sta No 22 Nebr 1913" (in Nebr.)	1, 026. 635.
T. 1 N., R. 17 E. (Nebr.), near S. quarter cor. sec. 36, at crossing of Mo. Pac. R. R.; top of rail (in Nebr.)	893. 4
T. 1 S., R. 16 E., 0.2 mi. W. of NE. cor. sec. 3, 30 ft. S. of State-line rd., at dwelling of Fred Zorn, in base of limestone hitching post; standard tablet stamped "1027 Prim Trav Sta 21 Nebr 1913"	1, 025. 528

¹ Most of this quadrangle lies in Colorado, the Kansas portion consisting of a strip about 1.8 miles wide lying west of longitude 102°.

T. 1 S., R. 16 E., near NE. cor. sec. 4, 0.7 mi. E. of Pony Creek, 50 ft. S. of junction of State-line rd. and T-rd. N., in base of stone hitching post; chiseled cross-----	<i>Feet</i> 1, 030. 64
T. 1 S., R. 16 E., near NE. cor. sec. 5, 20 ft. S. and 140 ft. W. from junction of State-line rd. and T-rd. N., in root of elm tree; copper nail-----	935. 02
T. 1 N., R. 16 E. (Nebr.), in SE¼ sec. 31, 30 ft. N. and 500 ft. W. from junction of State-line rd. and T-rd. N., 150 ft. SW. of dwelling of William Boothe, in base of stone gatepost; standard tablet stamped "999 Prim Trav Sta 20 Nebr 1913" (in Nebr.)-----	997. 708
T. 1 N., R. 15 E. (Nebr.), in SW¼ sec. 35, 200 ft. N. and 1,200 ft. E. from junction of State-line rd. and T-rd. N., on Amos Thompson farm, in W. foundation wall of barn at point 8 ft. N. of its SW. corner and 1.5 ft. above ground; standard tablet stamped "1102 Prim Trav Sta No 19 Nebr. 1913 (in Nebr.)-----	1, 100. 835

From sec. 35, T. 1 N., R. 15 E. (Nebr.), west along State-line road into Humboldt quadrangle (by S. H. Birdseye in 1915)

T. 1 N., R. 15 E. (Nebr.), about 0.1 mi. W. of SE. cor. sec. 33, at NW. corner of bridge over Peedee Creek, in stringer; copper nail (in Nebr.)-----	1, 059. 45
T. 1 S., R. 15 E., about 0.2 mi. E. of NW. cor. sec. 4, 500 ft. W. of white house, in center of S. side of bridge over Peedee Creek, on planking; copper nail-----	1, 101. 55
T. 1 N., R. 15 E. (Nebr.), near SE. cor. sec. 32, in NW. corner of junction of State-line rd. and T-rd. N.; top of flat rock (in Nebr.)-----	1, 133. 96

HUMBOLDT QUADRANGLE⁸

[Latitude 40°-40°15'; longitude 95°45'-96°]

BROWN AND NEMAHA COUNTIES

From point on Kansas-Nebraska State line at middle of north border of Hiawatha quadrangle west along State-line road to point between Honey and Rattlesnake Creeks (by S. H. Birdseye in 1915)

Salem, Nebr., 5.0 mi. S., thence 2.8 mi. W. from, in SW¼ sec. 32, T. 1 N., R. 15 E. (Nebr.), in NE. corner of junction of State-line rd. and T-rd. N. to Littles Farm, 30 ft. N. of State-line rd., 25 ft. E. of T-rd.; iron post stamped "1188 Prim Trav Sta 15 Nebr 1915" (in Nebr.)-----	1, 188. 014
T. 1 N., R. 15 E. (Nebr.), near S. quarter cor. sec. 31, 0.5 mi. E. of Brown-Nemaha county line, in NW. corner of bridge over Rabbit Creek; copper nail (in Nebr.)-----	1, 133. 93
T. 1 N., R. 14 E. (Nebr.), near SE. cor. sec. 36, 1,500 ft. E. of residence of Charnock Williamson, in NW. corner of junction of State-line rd. and T-rd. N., in brace of corner fence post at point 1.5 ft. above ground; copper nail (in Nebr.)-----	1, 143. 27
T. 1 N., R. 14 E. (Nebr.), in SW¼ sec. 36, in NE. corner of bridge over Rock Creek; bolt (in Nebr.)-----	1, 070. 95
T. 1 N., R. 14 E. (Nebr.), near SE. cor. sec. 35, 0.7 mi. W. of residence of Charnock Williamson, 0.3 mi. W. of bridge over Rock Creek, in NE. corner of junction of State-line rd. and T-rd. N., on brace of corner fence post at point 0.5 ft. above ground; copper nail (in Nebr.)-----	1, 132. 26

⁸ Nearly all of this quadrangle lies in Nebraska, the Kansas portion consisting of only a tiny strip of territory lying just north of latitude 40°.

T. 1 S., R. 14 E., 15 ft. S. and 50 ft. E. from N. quarter cor. sec. 3, 1.8 mi. W. of bridge over Rock Creek, 0.2 mi. E. of bridge over Honey Creek, at junction of State-line rd. and T-rd. N., on S. side of State-line rd., 5 ft. W. of telephone pole; iron post stamped "1186 Prim Trav Sta 14 Nebr 1915"-----	Feet 1, 185. 058
T. 1 N., R. 14 E., 0.2 mi. W. of S. quarter cor. sec. 34, on N. side of W. end of bridge over Honey Creek, on iron brace beam; top of rivet (in Nebr.)-----	1, 144. 51
T. 1 N., R. 14 E., 0.2 mi. W. of SE. cor. sec. 33, 0.6 mi. W. of bridge over Honey Creek, 0.4 mi. E. of Rattlesnake Creek, 50 ft. E. of point where rd. leaves State line and turns N., on N. side of rd.; top of stone culvert (in Nebr.)-----	1, 185. 45

INDEPENDENCE QUADRANGLE

[Latitude 37°-37°30'; longitude 95°30'-06']

CHAUTAUQUA, ELK, LABETTE, MONTGOMERY, NEOSHO, AND WILSON COUNTIES

From Coffeyville west along road to point near Dearing, thence north to Buff Mound, thence east 5 miles, thence south and back to Coffeyville (by Fox Wood in 1903)

Coffeyville, in wall of Ried Building; standard tablet stamped "731 Independence" (recovered by U. S. C. & G. S. in 1933)-----	734. 054
Coffeyville, 4 mi. W. of, on township line, on S. side of bridge across Onion Creek, in E. pier; chiseled cross-----	738. 76
Dearing, in wall of store building of H. L. Towles at its SW. corner; aluminum tablet stamped "763 Independence" (recovered by U. S. C. & G. S. in 1933)-----	765. 366
T. 34 S., R. 16 E., in NW. cor. sec. 6, in wall of Meyers dwelling at its NW. corner; aluminum tablet stamped "882 Independence"---	883. 309
Independence, in NW. corner of courthouse; aluminum tablet stamped "824 Independence" (recovered by U. S. C. & G. S. in 1933)-----	826. 186
Sycamore, in wall of schoolhouse at its SE. corner; aluminum tablet stamped "829 Independence" (recovered by U. S. C. & G. S. in 1933)-----	831. 029
Neodesha, at SE. corner of Fourth and Main Streets, in N. wall of brick building serving as store of Dr. F. T. Allen; aluminum tablet stamped "817 Independence"-----	819. 393
Tps. 29 and 30 S., R. 16 E., on line between secs. 4 and 33, 12 ft. from E. rail of Mo. Pac. R. R. tracks, in E. end of concrete R. R. culvert; aluminum tablet stamped "842 Independence"-----	844. 835
T. 30 S., R. 17 E., near N. quarter cor. sec. 7, in wall of house of Mrs. Ann Clegg at its NE. corner; aluminum tablet stamped "871 Independence"-----	873. 073
T. 31 S., R. 17 E., 0.3 mi. E. of NW. cor. sec. 6 (a long section), in wall of schoolhouse (old District 80) at its NE. corner; aluminum tablet stamped "901 Independence"-----	903. 354
T. 32 S., R. 16 E., in NE. cor. sec. 12, in wall of school; aluminum tablet stamped, erroneously, "843 Independence"-----	894. 416
T. 33 S., R. 16 E., in NW. cor. sec. 1, in wall of church at its NW. corner; aluminum tablet stamped "758 Independence" (probably destroyed)-----	760. 205
T. 33 S., R. 16 E., in NW. cor. sec. 1, 40 ft. S. and 75 ft. E. from cross-roads, in root on N. side of 28-in. elm tree; 60-penny spike-----	759. 98
Liberty, in wall of Methodist Church at its SE. corner; aluminum tablet stamped "757 Independence"-----	759. 318

From point near Dearing west along road to Tyro, thence along roads generally north to NE. cor. sec. 2, T. 30 S., R. 14 E., thence west and south west to Buxton (by Fox Wood in 1903)

	<i>Feet</i>
Tyro, in wall of schoolhouse at its NE. corner; aluminum tablet stamped "896 Independence" (reported in 1909 as destroyed)-----	896. 885
Bolton, about 1.7 mi. SW. of, in NW. cor. sec. 31, T. 33 S., R. 15 E., in wall of schoolhouse at its NW. corner; aluminum tablet stamped "831 Independence"-----	832. 216
Quaker School, in NE. cor. sec. 25, T. 32 S., R. 14 E., in stone foundation of schoolhouse at point 1 ft. S. of its NW. corner; aluminum tablet stamped "821 Independence" (tied to U. S. C. & G. S. in 1935)-----	822. 690
T. 31 S., R. 14 E., 0.2 mi. N. of SE. cor. sec. 23, in wall of schoolhouse at its SE. corner; aluminum tablet stamped "918 Independence" (reported in 1935 as destroyed)-----	919. 783
Lafontaine, in wall of schoolhouse at its SE. corner; aluminum tablet stamped "918 Independence"-----	919. 917
T. 30 S., R. 14 E., near NE. cor. sec. 2, 1 mi. W. of Fall River, 0.5 mi. E. of Mo. Pac. R. R., in wall of schoolhouse at its SW. corner; aluminum tablet stamped "928 Independence" (recovered by U. S. C. & G. S. in 1933)-----	929. 788
Buxton, in SW $\frac{1}{4}$ sec. 7, T. 30 S., R. 14 E., in wall of Christian Church at its NE. corner; aluminum tablet stamped "979 Independence" (on spur line)-----	980. 632

From Buxton along roads generally south to point about 2 miles northeast of Caney, thence east to Tyro (by Fox Wood in 1903)

Lafontaine, about 4 mi. SW. of, 0.2 mi. S. of W. quarter cor. sec. 33, T. 30 S., R. 14 E., in wall of dwelling of Henry Cox at its NW. corner; aluminum tablet stamped "891 Independence"-----	892. 878
Elk City, at schoolhouse (brick), in wall of wing; aluminum tablet stamped "833 Independence" (recovered by U. S. C. & G. S. in 1933)-----	835. 139
T. 32 S., R. 14 E., 0.3 mi. S. of center of sec. 30, at dwelling of C. Curtis, in W. foundation of front porch; aluminum tablet stamped "853 Independence"-----	854. 579
Havana, in wall of schoolhouse; aluminum tablet stamped "762 Independence"-----	763. 098
Caney, about 2 mi. NE. of, in SE $\frac{1}{4}$ sec. 31, T. 34 S., R. 14 E., in S. wall of house of M. M. Freidlin; aluminum tablet stamped "757 Independence" (tied to U. S. C. & G. S. in 1935)-----	758. 421

Near Caney (double-run tie line by A. C. McCutchen in 1935)

Caney, about 2.4 mi. NE. of, 0.1 mi. S. of quarter cor. between secs. 5 and 6, T. 35 S., R. 14 E., at oil-pumping sta., 31 ft. E. of center line of N.-S. rd. and 35 ft. S. of concrete driveway to sta., 1 ft. NW. of iron pipe, on E. wing wall of concrete culvert; chiseled square--	767. 99
U. S. C. & G. S. standard disk stamped "S 16 1933"-----	778. 269

From Quaker School along roads east and north to point on Atchison, Topeka & Santa Fe Railway 2.3 miles southeast of Crane (double-run tie line by A. C. McCutchen in 1935)

T. 32 S., R. 15 E., at N. cor. secs. 29 and 30, 25 ft. S. and 15 ft. W. from junction of center lines of U. S. Highway 160 and T-rd. S., 6-in. N. of concrete guard post; chiseled square-----	808. 21
--	---------

T. 32 S., R. 15 E., about 0.2 mi. E. of cor. secs. 20, 21, 28, and 29, 20 ft. N. and 13 ft. W. from junction of center lines of U. S. Highway 160 and T-rd. N., on W. head wall of concrete culvert at point 1.3 ft. NE. of SW. end of culvert; chiseled square-----	Feet 800. 95
U. S. C. & G. S. standard disk stamped "A 244 1935"-----	808. 355

IOLA QUADRANGLE

[Latitude 37°30'-38°; longitude 95°-95°30']

ALLEN, BOURBON, CRAWFORD, AND NEOSHO COUNTIES

From Parsons quadrangle north along Missouri-Kansas-Texas Railroad to Erie, thence north on roads to NW. cor. sec. 7, T. 24 S., R. 20 E. (by Fox Wood in 1903; leveled twice)

Erie, in E. wing of old courthouse; standard tablet stamped "892 Iola" (tied to U. S. C. & G. S. in 1935)-----	889. 717
T. 26 S., R. 20 E., in NE. cor. sec. 31, in N. end of stone pier at S. end of iron bridge over Big Creek; aluminum tablet stamped "940 Iola"-----	940. 284
T. 25 S., R. 19 E., in SE. cor. sec. 36, in S. wall of schoolhouse; standard tablet stamped "1068 Iola"-----	1, 068. 544
La Harpe, about 2 mi. E. of, in SE. cor. sec. 36, T. 24 S., R. 19 E.; iron post stamped "1032 Iola"-----	1, 032. 520
Waverly School, at NW. cor. sec. 7, T. 24 S., R. 20 E., in NW. corner of school building; standard tablet stamped "1059 Iola"-----	1, 059. 294

From Erie along road east 4 miles, thence east, north, west, and south along roads bounding Tps. 27 and 28 S., R. 21 E., thence west and back to Erie (by Fox Wood in 1930)

Erie, about 4 mi. E. of, 0.2 mi. E. of NW. cor. sec. 6, T. 29 S., R. 21 E., on N. side of schoolhouse; standard tablet stamped "896 Iola"-----	896. 637
Walnut, 1 mi. E., thence 2 mi. S. from, 0.2 mi. S. of NW. cor. sec. 31, T. 28 S., R. 22 E., on E. side of rd., on N. end of bridge over Big Walnut Creek, in rock abutment; standard tablet stamped "897 Iola" (tied to U. S. C. & G. S. in 1935)-----	897. 701
Walnut, 1 mi. E., thence 3 mi. N. from, in SE. cor. sec. 36, T. 27 S., R. 21 E.; iron post stamped "952 Iola"-----	952. 675
Porterville, in NE. corner of schoolhouse; aluminum tablet stamped "1008 Iola"-----	1, 009. 110
Savonburg, in wall of schoolhouse; standard tablet stamped "1057 Iola" (as reset about 1918; tied to U. S. C. & G. S. in 1935)-----	1, 057. 234
Kimbal, 1 mi. S. of, in SE. cor. sec. 36, T. 27 S., R. 20 E.; iron post stamped "1022 Iola" (tied to U. S. C. & G. S. in 1935)-----	1, 022. 884

From Erie along roads west to point near west border of quadrangle, thence north and east by way of Humboldt and along north side of T. 26 S., R. 19 E., to NE cor. sec. 1 (by Fox Wood in 1903)

Urbana, in wall of church at its SE. corner; aluminum tablet stamped "954 Iola"-----	954. 350
Urbana, 5 mi. W. of, 1 mi. W., thence 2 mi. S. from Earleton, in SE. cor. sec. 36, T. 28 S., R. 17 E.; iron post stamped "957 Iola"-----	957. 258
Chanute, 2 mi. W., thence 2 mi. S. from, in SE. cor. sec. 36, T. 27 S., R. 17 E.; iron post stamped "981 Iola" (tied to U. S. C. & G. S. in 1935)-----	981. 111
T. 26 S., R. 18 E., in SW. cor. sec. 30, 1 mi. N. of Allen-Neosho county line, in wall of schoolhouse at its SW. corner; aluminum tablet stamped "953 Iola"-----	953. 032

IOLA QUADRANGLE

35

Humboldt, 3 mi. E. of, in wall of Central Avenue School at its NW. corner; standard tablet stamped "976 Iola"-----	Feet 976. 851
--	------------------

From Erie along road west 1.5 miles, thence north to NE. cor. T. 27 S., R. 19 E., thence west along Allen-Neosho county line to cor. secs. 1, 8, 31, and 36, Tps. 28 and 27 S., Rs. 18 and 19 E., thence south to point 1 mile east of Urbana (by Fox Wood in 1903)

T. 27 S., R. 19 E., in SE. cor. sec. 36, in wall of church at its NW. corner; standard tablet stamped "1004 Iola"-----	1, 003. 657
--	-------------

T. 26 S., R. 18 E., in SE. cor. sec. 36, at Allen-Neosho county line; iron post stamped "997 Iola"-----	997. 331
---	----------

North Valley School, in SE. cor. sec. 36, T. 27 S., R. 18 E., in wall of schoolhouse at its SE. corner; standard tablet stamped "909 Iola" (tied to U. S. C. & G. S. in 1935)-----	908. 305
--	----------

From point near La Harpe east, north, and west along roads bounding T. 24 S., Rs. 20 and 21 E., to Waverly School (by Fox Wood in 1903)

Moran, 1.5 mi. SE. of, in SE. cor. sec. 36, T. 24 S., R. 20 E.; iron post stamped "1091 Iola" (tied to U. S. C. & G. S. in 1935)-----	1, 091. 613
---	-------------

Bronson, about 2 mi. NE. of, in SE. cor. sec. 36, T. 24 S., R. 21 E.; iron post stamped "1062 Iola"-----	1, 062. 248
--	-------------

T. 23 S., R. 21 E., in SE. cor. sec. 36; iron post stamped "1043 Iola"-----	1, 042. 962
---	-------------

Bayard, about 0.3 mi. E. of, in NE. cor. sec. 1, T. 24 S., R. 20 E., in N. wall of schoolhouse; standard tablet stamped "1024 Iola"-----	1, 024. 398
--	-------------

From point near La Harpe along roads generally west to point 5 miles west of Iola, thence northeast and north to Waverly School (by Fox Wood in 1903)

Iola, in NW. corner of Northup National Bank building; standard tablet stamped "968 Iola"-----	968. 745
--	----------

Piqua, 2.3 mi. E. of, 5 mi. W. of Iola, in SE. cor. sec. 25, T. 24 S., R. 17 E.; iron post stamped "1010 Iola"-----	1, 009. 977
---	-------------

Carlyle, 3 mi. W. of, in SE. cor. sec. 32, T. 23 S., R. 18 E.; iron post stamped "1050 Iola"-----	1, 050. 099
---	-------------

Carlyle, 1 mi. E. of, in NE. cor. sec. 1, T. 24 S., R. 19 E., in wall of schoolhouse at its NE. corner; standard tablet stamped "1022 Iola"-----	1, 022. 077
--	-------------

Near Chanute (by L. V. Johnson in 1935; double-run tie line)

Chanute, about 3 mi. SW. of, 10 ft. N. and 17 ft. E. from center of crossroads at SW. cor. sec. 30, T. 27 S., R. 18 E., on concrete head wall of culvert; chiseled square-----	993. 98
--	---------

U. S. C. & G. S. standard disk stamped "V 245 1934"-----	965. 691
--	----------

Near Walnut, on Atchison, Topeka & Santa Fe Railway (by L. V. Johnson in 1935)

Walnut, 1.2 mi. E. of, 10 ft. S. and 30 ft. W. from crossing of Ry. and rd., at Ry. culvert 26 A, on S. concrete head wall; chiseled square-----	936. 92
--	---------

Walnut, 1.5 mi. E. of, 12.5 ft. S. of tracks, at Ry. bridge 26 B, in W. end of concrete head wall at point 1 ft. below base of rail; chiseled cross and circle (Ry. B. M. 26 B)-----	938. 55
--	---------

LAKIN QUADRANGLE

[Latitude 37°30'-38°; longitude 101°-101°30']

FINNEY, GRANT, HASKELL, AND KEARNY COUNTIES

From Garden City quadrangle west, southwest, and northwest along Atchison, Topeka & Santa Fe Railway into Syracuse quadrangle (by J. C. Barber in 1896)

Holcomb, 2.2 mi. W. of, 5.8 mi. E. of Deerfield, 1,100 ft. S. and slightly W. of E. quarter cor. sec. 3, T. 24 S., R. 34 W., 1 ft. N. of wire fence on S. side of track; iron post stamped "G 4 2892"-----	<i>Feet</i> 2,900.132
Deerfield, 2.8 mi. E. of, 1,417 ft. S. of E. quarter cor. sec. 6, T. 24 S., R. 34 W., 1 ft. N. of wire fence on S. side of track; iron post stamped "G 5 2908"-----	2,916.104
Deerfield, 2,200 ft. W. of sta., 6 ft. W. of line between secs. 10 and 11, T. 24 S., R. 35 W., 49 ft. S. of track; iron post stamped "G 6 2940"-----	2,948.158
Deerfield, 3.5 mi. SW. of, 3.7 mi. NE. of Lakin, at Ry. mileage 420.62, 6 ft. W. of line between secs. 17 and 18, T. 24 S., R. 35 W., 70 ft. S. of center line of private rd. N. of track, 40 ft. S. of main track; iron post stamped "G 7 2969" (as recovered by U. S. C. & G. S. in 1934)-----	2,977.028
Lakin, 1,700 ft. NE. of Ry. sta., 60 ft. E. of line between secs. 26 and 27, T. 24 S., R. 36 W., 45 ft. SE. of track; iron post stamped "G 8 2991"-----	2,998.968
Lakin, in front of telegraph office (as situated in 1896); top of rail-----	3,001.0
Lakin, 3.2 mi. SW. of, about 4 mi. NE. of Hartland, 1,050 ft. S. of NW. cor. sec. 5, T. 25 S., R. 36 W., 48 ft. NW. of track; iron post stamped "G 9 3013"-----	3,021.008
Hartland, about 0.5 mi. E. of, 600 ft. N. of SE. cor. sec. 10, T. 25 S., R. 37 W., on N. side of fence, 52 ft. N. of tracks; iron post stamped "G 10 3040" (tied to U. S. C. & G. S. in 1935)-----	3,047.928
Hartland, in front of telegraph office (as situated in 1896); top of rail-----	3,050.0
Hartland, 2.8 mi. NW. of, 3.2 mi. SE. of Sutton, on line between secs. 7 and 8, T. 25 S., R. 37 W., 65 ft. N. of track, on E. side of N.-S. wire fence; iron post stamped "G 11 3063"-----	3,071.162
Sutton, about 0.3 mi. W. of, 4.6 mi. SE. of Kendall, 650 ft. W. of E. side of sec. 3, T. 25 S., R. 38 W., 45 ft. S. of track; iron post stamped "G 12 3112"-----	3,120.129

From Lakin north 3 miles (by M. C. McFarlane in 1897; unchecked spur line)

T. 24 S., R. 36 W., in SE. cor. sec. 3; iron post stamped "G 69 3125"-----	3,133.547
--	-----------

From Lakin along road south 2 miles, thence east along township-line road to Finney-Kearny county line (by M. C. McFarlane in 1897 and Nat Tyler, Jr., in 1898; unchecked spur line)

Lakin, opposite Lakin Hotel, 275 ft. NE. of A., T. & S. F. Ry. sta., at E. side of street crossing, 145 ft. N. of center line of track, near curb; iron post stamped "2993" (as recovered by U. S. C. & G. S. in 1934)-----	3,001.431
T. 25 S., R. 36 W., 40 ft. SE. of NW. cor. sec. 2; iron post stamped "G 70 2990"-----	2,997.852
T. 25 S., R. 35 W., in NW. cor. sec. 6; iron post stamped "2975"-----	2,983.411
T. 25 S., R. 35 W., in NW. cor. sec. 3; iron post stamped "2984"-----	2,992.448
T. 25 S., R. 34 W., in NW. cor. sec. 6; iron post stamped "2967"-----	2,974.955

From Hartland along roads north 5 miles, thence west 3 miles (by M. C. McFarlane in 1897; first 5 miles double-rodged)

Hartland triangulation sta., about 2.5 mi. N. of village of Hartland, 35 ft. N. and 9 ft. E. from W. quarter cor. sec. 34, T. 24 S., R. 37 W.; iron post stamped "G 44 3249"-----	<i>Feet</i> 3, 256. 967
T. 24 S., R. 37 W., at NE. cor. sec. 21; iron post stamped "G 45 3244"-----	3, 251. 978
T. 24 S., R. 38 W., at SE. cor. sec. 13; iron post stamped "G 46 3267"-----	3, 275. 169

From Syracuse quadrangle east along U. S. Highway 160 to Ulysses, thence north along State Highway 25 and other roads to Hartland (by M. C. McFarlane in 1897; double-rodged)

Ulysses, about 7 mi. W. of, at SE. cor. sec. 33, T. 28 S., R. 38 W.; iron post stamped "G 35 3106" (recovered by U. S. C. & G. S. in 1935)-----	3, 113. 324
Ulysses, 4 mi. SW. of, at SE. cor. sec. 36, T. 28 S., R. 38 W.; iron post stamped "G 36 3049"-----	3, 055. 930
Ulysses, 1 mi. W. of, at SE. cor. sec. 29, T. 28 S., R. 37 W.; iron post stamped "G 37 3050" (tied to U. S. C. & G. S. in 1935 ⁹)-----	3, 056. 523
Ulysses, 2.5 mi. N. of, at SE. cor. sec. 9, T. 28 S., R. 37 W., 50 ft. from center line of rd.; iron post stamped "G 38 3053" (as reset in 1934 by Kansas Highway Commission)----- ¹⁰	3, 060. 795
Ulysses, 4.5 mi. N. of, at SE. cor. sec. 33, T. 27 S., R. 37 W.; iron post stamped "G 39 3060" ¹¹ -----	3, 067. 409
T. 27 S., R. 37 W., at NW. cor. sec. 22, 50 ft. from center line of rd.; iron post stamped "G 40 3055" (as reset in 1934 by A. L. Baller)----- ¹²	3, 061. 045
T. 26 S., R. 37 W., at SE. cor. sec. 33, on Kearny-Grant county line; iron post stamped "G 41 3069"-----	3, 075. 948
T. 26 S., R. 37 W., near SE. cor. sec. 16, 120 ft. W. of highway; iron post stamped "G 42 3048"-----	3, 055. 577
T. 25 S., R. 37 W., near S. side of sec. 35, W. of highway; iron post stamped "G 43 3039"-----	3, 045. 929

From intersection of Grant-Kearney county line and State Highway 25 east along Grant-Kearny and Finney-Haskell county lines to sec. 34, T. 26 S., R. 34 W. (by M. C. McFarlane in 1897; unchecked spur line)

T. 26 S., R. 36 W., at SW. cor. sec. 31; iron post stamped "G 47 3080"-----	3, 086. 835
T. 26 S., R. 36 W., at SW. cor. sec. 33; iron post stamped "G 48 3084"-----	3, 090. 826
T. 26 S., R. 35 W., near SW. cor. sec. 31; iron post stamped "G 49 3098"-----	3, 104. 986
T. 26 S., R. 35 W., near SW. cor. sec. 34; iron post stamped "G 66 3026"-----	3, 033. 438
T. 26 S., R. 34 W., about 620 ft. E. of SW. cor. sec. 31; iron post stamped "G 67 3010"-----	3, 017. 108
T. 26 S., R. 34 W., near SW. cor. sec. 34; iron post stamped "G 68 2990"-----	2, 997. 238

⁹ In 1935, when this tie was made, the top of the cap on the iron post was slightly bent.

¹⁰ The elevation of this benchmark as reset is 0.635 ft. higher than its original elevation.

¹¹ A. L. Baller reported in 1934 that this post had been removed.

¹² The elevation of this benchmark as reset is 0.881 ft. lower than its original elevation. The post was loose when Mr. Baller found it, necessitating its resetting.

From intersection of Grant-Kearny county line and State Highway 25 west along county line to sec. 33, T. 26 S., R. 38 W. (by M. C. McFarlane in 1897; unchecked spur line)

T. 26 S., R. 38 W., at SE. cor. sec. 36; iron post stamped "G 50 3089"	<i>Feet</i> 3, 096. 193
T. 26 S., R. 38 W., at SE. cor. sec. 33; iron post stamped "G 51 3177"	3, 184. 377

From point on State Highway 25 4.5 miles north of Ulysses east along township line 18 miles (by M. C. McFarlane in 1897; unchecked spur line)

T. 27 S., R. 36 W., at SW. cor. sec. 31; iron post stamped "G 52 3016"	3, 023. 155
T. 27 S., R. 36 W., at SW. cor. sec. 34; iron post stamped "G 53 3094"	3, 100. 834
T. 27 S., R. 35 W., at SW. cor. sec. 31; iron post stamped "G 54 3119"	3, 125. 566
T. 27 S., R. 35 W., at SW. cor. sec. 34; iron post stamped "G 63 3076"	3, 083. 050
T. 27 S., R. 34 W., at SW. cor. sec. 31; iron post stamped "G 64 3054"	3, 061. 294
T. 27 S., R. 34 W., at SW. cor. sec. 34; iron post stamped "G 65 3074"	3, 080. 896

From point on State Highway 25 4.5 miles north of Ulysses west along township-line road into Syracuse quadrangle (by M. C. McFarlane in 1897; part of unadjusted line closing 1.475 ft. low at point 1 mile south of Floto)

T. 27 S., R. 38 W., at SE. cor. sec. 36; iron post stamped "G 55 3078"	3, 085. 254
T. 27 S., R. 38 W., at SE. cor. sec. 33; iron post stamped "G 56 3092"	3, 098. 814

From Ulysses east along U. S. Highway 160 (township-line road) 18 miles (by M. C. McFarlane in 1897; partially checked spur line)

T. 28 S., R. 36 W., at SW. cor. sec. 31; iron post stamped "G 57 3059"	3, 066. 156
T. 28 S., R. 36 W., at SW. cor. sec. 34; iron post stamped "G 58 3048"	3, 054. 591
T. 28 S., R. 35 W., at SW. cor. sec. 31; iron post stamped "G 59 3048"	3, 054. 564
T. 28 S., R. 35 W., at SW. cor. sec. 34; iron post stamped "G 60 3020"	3, 027. 336
T. 28 S., R. 34 W., at SW. cor. sec. 31; iron post stamped "G 61 3007"	3, 013. 714
T. 28 S., R. 34 W., at SW. cor. sec. 34; iron post stamped "G 62 2999"	3, 006. 291

From intersection of U. S. Highway 160 and Grant-Haskell county line south along county line 3 miles, thence west 9 miles, thence north to point on U. S. Highway 160 about 6 miles east of Ulysses (by Nat Tyler, Jr., in 1898)

T. 29 S., R. 34 W., near SW. cor. sec. 18; iron post stamped "3020"	13 3, 027. 186
T. 29 S., R. 35 W., at SE. cor. sec. 16; iron post stamped "3010"	3, 016. 932
T. 29 S., R. 35 W., at SW. cor. sec. 18; iron post stamped "3023"	3, 029. 875
T. 29 S., R. 36 W., at SE. cor. sec. 16; iron post stamped "3016"	3, 022. 617

¹³ The accuracy of these figures is doubtful.

From point on U. S. Highway 160 about 3 miles east of Ulysses south along road
3 miles (by Nat Tyler, Jr., in 1898; unchecked spur line)

Feet

T. 29 S., R. 36 W., in SW. cor. sec. 18; iron post stamped "2978" --- 2, 984. 676

From point on U. S. Highway 160 about 3 miles west of Ulysses south along
range line 3 miles (by Nat Tyler, Jr., in 1898)

T. 29 S., R. 37 W., in SW. cor. sec. 18; iron post stamped "3098" --- 3, 104. 889

LAWRENCE QUADRANGLE

[Latitude 38°30'-39°; longitude 95°-95°30']

DOUGLAS, JOHNSON, AND LEAVENWORTH COUNTIES

From Olathe No. 2 quadrangle near De Soto west and south along roads to
point 1 mile south of Prairie Center, thence east along Olathe road and back
into Olathe No. 2 quadrangle (by T. B. Matthews in 1935)

Morning Star School, 1.0 mi. N. of, 1.6 mi. SW. of De Soto, at cor. secs. 29, 30, 31, and 32, T. 12 S., R. 22 E., 25 ft. N. and 30 ft. E. from center of crossroads, 6 ft. E. and 1 ft. S. from SW. corner of fence around yard, in root on E. side of 20-in. elder tree; copper nail and washer-----	886. 57
Morning Star School, at cor. secs. 5, 6, 31, and 32, Tps. 12 and 13 S., R. 22 E., 50 ft. N. and 200 ft. E. from center of crossroads, in school yard, in concrete post; standard tablet stamped "M 9 1935 932"-----	931. 628
Reference mark, 250 ft. W. and 110 ft. N. from tablet, 3 ft. W. of wire fence, in root on E. side of 18-in. elm tree; copper nail and washer-----	930. 96
Morning Star School, 1.0 mi. S. of, 1.5 mi. NE. of Lexington Cemetery, at cor. secs. 5, 6, 7, and 8, T. 13 S., R. 22 E., 10 ft. N. of junction of State Highway 10 and T-rd. N., on N. lip of curb of concrete pavement of highway; chiseled square-----	944. 68
Lexington Cemetery, 1.0 mi. N. of, at quarter cor. between secs. 6 and 7, T. 13 S., R. 22 E., 10 ft. N. of junction of State Highway 10 and T-rd. S., on N. lip of curb of concrete pavement of highway; chiseled square-----	932. 14
Lexington Cemetery, at quarter cor. between secs. 7 and 18, T. 13 S., R. 22 E., 70 ft. N. and 215 ft. E. from center of crossroads, in cemetery at point 2 ft. E. of its W. fence, in concrete post; standard tablet stamped "M 10 1935 938"-----	938. 189
Reference mark, 670 ft. S. and 205 ft. W. from tablet, 10 ft. E. of center line of rd., on E. head wall of concrete culvert; chiseled square-----	924. 98
Lexington Cemetery, about 1 mi. S. of, 340 ft. S. and 10 ft. W. from approximate quarter cor. between secs. 18 and 19, T. 13 S., R. 22 E., 10 ft. W. of center line of rd., on W. head wall of concrete culvert; chiseled square-----	906. 29
Lexington Cemetery, 1.3 mi. S. of, 1.6 mi. N. of Prairie Center, at approximate center of sec. 19, T. 13 S., R. 22 E., 220 ft. N. of junction of T-rd. W., 15 ft. W. of center line of N.-S. rd., on W. head wall of concrete culvert; chiseled square-----	909. 08
Prairie Center, 1.0 mi. N. of, at quarter cor. between secs. 19 and 30, T. 13 S., R. 22 E., 30 ft. N. and 20 ft. E. from center of crossroads, in base of 6-in. hedge tree; copper nail and washer-----	939. 13

Prairie Center, at quarter cor. between secs. 30 and 31, T. 13 S., R. 22 E., in yard surrounding dwelling of W. G. Rice, 110 ft. S. and 30 ft. W. from center of crossroads, in concrete post; standard tablet stamped "M 11 1935 936"-----	Feet 936. 474
Reference mark, 95 ft. N. and 540 ft. E. from tablet, on S. head wall of concrete culvert; chiseled square-----	936. 12
Prairie Center, 1.0 mi. S. of, at quarter cor. between secs. 6 and 31, Tps. 13 and 14 S., R. 22 E., 35 ft. S. and 10 ft. W. from junction of T-rd. N., in hedgerow, in root on E. side of 16-in. hedge tree; copper nail and washer-----	959. 57

From Olathe No. 2 quadrangle west and south along roads to point near Edgerton, thence east along Edgerton-Ocheltree road and back into Olathe No. 2 quadrangle (by T. B. Matthews in 1935)

Gardner, 4.0 mi. W. of, about 3.5 mi. N. and E. from Edgerton, at cor. secs. 19, 20, 29, and 30, T. 14 S., R. 23 E., 90 ft. N. and 20 ft. W. from center of crossroads, 3 ft. E. of wire fence, in root on SE. side of 24-in. walnut tree; copper nail and washer-----	1, 028. 07
Edgerton, 2.5 mi. N. and E. from, at cor. secs. 29, 30, 31, and 32, T. 14 S., R. 22 E., 45 ft. N. and 30 ft. E. from center of crossroads, 3 ft. E. of hedge fence around yard, in root on W. side of 16-in. walnut tree; copper nail and washer-----	1, 059. 06
Edgerton, 1.5 mi. N. and E. from, at cor. secs. 5, 6, 31, and 32, Tps. 14 and 15 S., R. 22 E., 310 ft. N. and 10 ft. W. from center of crossroads, on W. head wall of concrete culvert; chiseled square-----	1, 015. 98
Edgerton, about 0.5 mi. along Atchison, Topeka & Santa Fe Ry. NE. of, 126 ft. N. and 12 ft. E. from grade crossing of E.-bound main-line tracks, 45 ft. S. and 200 ft. E. from intersection of U. S. Highway 50 and N.-S. rd., 1 ft. S. of right-of-way fence line, in concrete post; standard tablet stamped "16 M 1935 981"-----	981. 731

LEAVENWORTH QUADRANGLE¹⁴

[Latitude 39°15'-39°30'; longitude 94°45'-95°]

ATCHISON AND LEAVENWORTH COUNTIES

From Leavenworth northwest along Union Pacific Railroad to Hund (by G. E. Heebink in 1908)

Leavenworth, on SE. corner of 3d and Cherokee Streets, on Cherokee Street side of brick building occupied by Rohlfing Bros., grocers, on W. end of stone window sill; U. S. C. E. copper bolt designated "252"-----	785. 845
Hund, 40 ft. S. of Union Pacific R. R. track, 20 ft. W. of wagon rd.; iron post stamped "834"-----	832. 011

From Bonner Springs quadrangle near Little Stranger Church northeast and east along roads to Richardson, thence south along road by way of Lansing and back into Bonner Springs quadrangle (by R. F. Gallup in 1934)

Hazel Dell School, 0.6 mi. SW. of, 1.2 mi. NE. of Little Stranger Church, about 300 ft. W. and 880 ft. S. from quarter cor. between secs. 21 and 22, T. 9 S., R. 22 E., in root on S. side of wild-cherry tree; nail and washer-----	956. 28
Hazel Dell School, 0.1 mi. NE. of, about 465 ft. N. of S. line of sec. 15, T. 9 S., R. 22 E., in root on E. side of elm tree; nail and washer-----	891. 56

¹⁴ Part of this quadrangle lies in Missouri.

Hazel Dell School, 0.5 mi. NE. of, 2.5 mi. W. of Richardson, in center of sec. 15, T. 9 S., R. 22 E., about 40 ft. E. and 55 ft. S. from center of crossroads, on hedge stump in E. fence line; nail and washer----	<i>Feet</i> 946. 15
Richardson, 2 mi. W. of, 0.9 mi. N. of Brighton, at quarter cor. between secs. 14 and 15, T. 9 S., R. 22 E., about 22 ft. W. and 28 ft. S. from junction of T-rd. S. to Brighton, inside fence corner, in concrete post; standard tablet stamped "1 G 1934 900"-----	900. 153
Reference mark, about 28 ft. N. and 10 ft. E. from tablet, on N. end of culvert; chiseled square-----	900. 38
Richardson, 1.5 mi. W. of, near SW. cor. of NE¼ sec. 14, T. 9 S., R. 22 E., about 20 ft. N. and 60 ft. E. from center of crossroads, on concrete curb on S. side of wall platform; chiseled square-----	934. 31
Richardson, 1.0 mi. W. of, at quarter cor. between secs. 13 and 14, T. 9 S., R. 22 E., 15 ft. S. and 15 ft. E. from center of crossroads, on top of concrete curb; chiseled square-----	940. 29
Richardson, 0.5 mi. W. of, in center of sec. 13, T. 9 S., R. 22 E., in NE. angle of street junction, on top of curb; chiseled square-----	880. 25
Richardson, at quarter cor. on W. side of sec. 18, T. 9 S., R. 23 E., 8 ft. S. and 26 ft. E. from intersection of Leavenworth-Lansing (N.-S.) and E.-W. rds., in concrete step in front of store; chiseled square-----	838. 40
Richardson, 0.5 mi. S. of, 0.5 mi. N. of Lansing, about 95 ft. N. and 18 ft. E. from SW. cor. sec. 18, T. 9 S., R. 23 E., on top of concrete curb; chiseled square-----	832. 85
Lansing, about 30 ft. W. of quarter cor. on E. side of sec. 24, T. 9 S., R. 22 E., in concrete post; standard tablet stamped "2 G 1934 796"-----	795. 457
Reference mark, about 495 ft. S. and 20 ft. E. from tablet, at highway bridge (over Sevenmile Creek?), on S. end of W. concrete girder; chiseled square-----	804. 92

MOUND CITY NO. 1 QUADRANGLE ¹⁵

[Latitude 38°15'-38°30'; longitude 94°30'-94°45']

LINN AND MIAMI COUNTIES

From point on Kansas-Missouri State line near Amsterdam, Mo., south along State-line road into Mound City No. 4 quadrangle (by H. P. Jones in 1934)

T. 41 N., R. 33 W. (Mo.), at W. closing cor. fractional secs. 19 and 30, 25 ft. N. and 126 ft. E. from junction of center lines of State-line rd. and T-rd. E., 2 ft. N. and 3 ft. W. from telephone pole, in concrete post; standard tablet stamped "CWA 316 1934 896" (in Mo.)--	896. 148
T. 41 N., R. 33 W. (Mo.), about 600 ft. N. of W. closing cor. fractional secs. 30 and 31, in E. head wall of concrete culvert; chiseled square (in Mo.)-----	869. 44
T. 20 S., R. 25 E., near E. closing cor. secs. 11 and 14, 20 ft. S. and 10 ft. W. from junction of center lines of State line rd. and T-rd. W., on top of head wall of concrete culvert; chiseled square-----	887. 62
T. 40 N., R. 33 W. (Mo.), about 0.2 mi. N. of S. line of fractional sec. 6, 35 ft. N. and 18 ft. E. from junction of center lines of State-line rd. and T-rd. W., 2 ft. E. of fence, in concrete post; standard tablet stamped "CWA 301 1934 875" (in Mo.)-----	875 286

¹⁵ Part of this quadrangle lies in Missouri.

T. 40 N., R. 33 W. (Mo.), at W. closing cor. fractional secs. 7 and 18, 115 ft. S. and 10 ft. E. from junction of center lines of State-line rd. and T-rd. E., on top of head wall of concrete culvert; chiseled square (in Mo.)-----	Feet 834. 98
T. 20 S., R. 25 E., in fractional sec. 35 [T. 40 N., R. 33 W. (Mo.), about 0.2 mi. N. of W. closing cor. sec. 18 and long sec. 20], 10 ft. N. and 12 ft. W. from junction of center lines of State-line rd. and T-rd. W., on top of head wall of concrete culvert; chiseled square-----	825. 11
T. 40 N., R. 33 W. (Mo.), near W. closing cor. long secs 20 and 29, 60 ft. N. and 29 ft. E. from junction of center lines of Missouri Highway 52 [Kansas Highway 56] and State-line rd., 3 ft. N. and 3 ft. E. from corner fence post, in concrete post; standard tablet stamped "CWA 315 1934 825" (in Mo.)-----	824. 451

MOUND CITY NO. 4 QUADRANGLE ¹⁶

[Latitude 38°-38°15'; longitude 94°30'-94°45']

BOURBON AND LINN COUNTIES

From Mound City No. 1 quadrangle south along Missouri-Kansas State-line road to its junction with road east across Duncans Creek, thence east along latter road into Missouri (by H. P. Jones in 1934)

T. 21 S., R. 25 E., near E. closing cor. fractional secs. 1 and 12 [T. 40 N., R. 33 W. (Mo.), about 0.2 mi. N. of closing cor. long secs. 29 and 32], 10 ft. S. and 15 ft. W. from junction of State-line rd. and T-rd. W., on top of head wall of concrete culvert; chiseled square-----	826. 79
Tps. 39 and 40 N., R. 33 W. (Mo.), at W. closing cor. of township line, 50 ft. N. and 20 ft. E. from junction of State-line rd. and T-rd. E., in root on W. side of 14-in. elm tree; copper nail and washer (in Mo.)-----	786. 82
T. 39 N., R. 33 W. (Mo.), 1.1 mi. S. of NW. cor. large sec. 6, 36 ft. S. and 119 ft. W. from SW. corner of farmhouse of Mrs. Zella Hall, 16 ft. S. and 41 ft. W. from 30-in. cottonwood tree, 29 ft. E. of center line of State-line rd., in concrete post; standard tablet stamped "CWA 308 1934 785" (in Mo.)-----	785. 013
T. 39 N., R. 33 W. (Mo.), at W. closing cor. wide secs. 6 and 7, 20 ft. S. and 15 ft. E. from center of crossing of State-line rd. and Missouri Pacific R. R., at base of crossing signpost, 1 ft. above ground; horizontal spike (in Mo.)-----	799. 50
T. 39 N., R. 33 W. (Mo.), at W. closing cor. wide secs. 19 and 30, 26 ft. S. and 19 ft. E. from junction of center lines of State-line rd. and T-rd. E., 3 ft. S. and 3 ft. E. from corner fence post, in concrete post; standard tablet stamped "CWA 3017 1934 905" (in Mo.)-----	905. 563
T. 22 S., R. 25 E., in sec. 13 [T. 39 N., R. 33 W. (Mo.), near W. closing cor. wide secs. 30 and 31], 80 ft. S. and 50 ft. W. from junction of State-line rd. and T-rd. E., 30 ft. W. of hedgerow, in root on SE. side of 12-in. elm tree; copper nail and washer-----	873. 47
T. 22 S., R. 25 E., near SE. cor. fractional sec. 13 [T. 39 N., R. 33 W. (Mo.), near W. quarter cor. sec. 31], 100 ft. N. and 10 ft. W. from junction of State-line rd. and T-rd. W., in top of head wall of concrete culvert; chiseled square-----	845. 71

¹⁶ Part of this quadrangle lies in Missouri.

T. 22 S., R. 25 E., near SE. closing cor. fractional sec. 34 [T. 38 N., R. 33 W. (Mo.), at W. quarter cor. sec. 6], 15 ft. N. and 10 ft. W. from junction of State-line rd. and T-rd. W., in top of head wall of concrete culvert; chiseled square-----	Feet 869. 84
T. 38 N., R. 33 W. (Mo.), at W. closing cor. wide secs. 6 and 7, 23 ft. S. and 22 ft. E. from junction of center lines of State-line rd. and T-rd. E., 3 ft. S. and 3 ft. E. from corner fence post, in concrete post; standard tablet stamped "CWA 287 1934 863" (in Mo.)--	863. 469
T. 38 N., R. 33 W. (Mo.), at W. closing cor. wide secs. 7 and 18, 15 ft. S. and 25 ft. E. from junction of State-line rd. and T-rd. E., in top of head wall of concrete culvert; chiseled square (in Mo.)-----	905. 29
T. 38 N., R. 33 W. (Mo.), at W. closing cor. wide secs. 18 and 19, 20 ft. N. and 20 ft. E. from junction of State-line rd. and T-rd. E., in root on S. side of 18-in. maple tree; copper nail and washer (in Mo.)--	873. 62
T. 38 N., R. 33 W. (Mo.), at W. closing cor. wide secs. 19 and 30, 24 ft. S. and 20 ft. E. from junction of center lines of State-line rd. and right-of-way of closed T-rd. E. (along Bates-Vernon county line), 3.5 ft. S. and 3.5 ft. E. from corner fence post, in concrete post; standard tablet stamped "CWA 314 1934 875" (in Mo.)-----	875. 198
T. 23 S., R. 25 E., in sec. 13 [T. 38 N., R. 33 W. (Mo.), at W. closing cor. wide secs. 30 and 31], 40 ft. S. and 25 ft. W. from junction of State-line rd. and T-rd. E., in root on N. side of 16-in. maple tree; copper nail and washer-----	850. 59
T. 23 S., R. 25 E., in sec. 24 [Tps. 37 and 38 N., R. 33 W. (Mo.), near W. closing cor. wide secs. 6 and 31], 100 ft. S. and 15 ft. W. from junction of State-line rd. and T-rd. E., in root on E. side of 14-in. mulberry tree; copper nail and washer-----	887. 21
T. 37 N., R. 33 W. (Mo.), at W. closing cor. wide secs. 6 and 7, 22 ft. N. and 28 ft. E. from junction of center lines of State-line rd. and T-rd. E., 3 ft. N. and 4 ft. E. from corner fence post, in concrete post; standard tablet stamped "CWA 304 1934 834" (in Mo.)--	833. 943
T. 37 N., R. 33 W. (Mo.), at W. quarter cor. wide sec. 7, 35 ft. N. and 15 ft. E. from junction of State-line rd. and T-rd. E., in root on N. side of 9-in. willow tree; copper nail and washer (in Mo.)-----	788. 21

OAK MILLS QUADRANGLE"

[Latitude 39°15'-39°30'; longitude 95°-95°15']

ATCHISON, JEFFERSON, AND LEAVENWORTH COUNTIES

From Oskaloosa No. 4 quadrangle near Murray Creek along roads generally north to Oak Mills (by S. K. Atkinson in 1906)

Gospel Tabernacle, 0.4 mi. N. of, about 6.7 mi. NW. of Lansing and 6.9 mi. SW. of Richardson, 1.0 mi. S. of High Prairie School, in NE. cor. sec. 24, T. 9 S., R. 21 E., at crossroads, 50 ft. W. of bridge 92, on S. side of rd.; iron post stamped "972" (reported by R. F. Gallup in 1934 as disturbed)-----	971. 704
Reference mark, 80 ft. E. of above-mentioned iron post, on W. end of SW. wing wall of concrete arch bridge (over Murray Creek?); chiseled square (by R. F. Gallup in 1934)-----	968. 96
High Prairie School, at crossroads near, in NW. cor. sec. 18, T. 9 S., R. 22 E., on limestone; chiseled square-----	1, 073. 46

¹⁷ Part of this quadrangle lies in Missouri.

High Prairie School, 2.0 mi. N. of, about 4.7 mi. W. of Leavenworth, in NW. cor. sec. 31, T. 8 S., R. 22 E., at intersection of rds. in hollow, in stone; aluminum tablet stamped "924"-----	Feet 923. 975
Lowemont, about 0.4 mi. NW. of, about 0.3 mi. W. and 0.2 mi. S. from Atchison, Topeka & Santa Fe Ry., in center of sec. 3, T. 8 S., R. 21 E., at center of crossroads, in limestone marker at NE. corner of Squire's place; aluminum tablet stamped "1098" (reported disturbed)-----	1, 096. 933
Lowemont, 1.2 mi. N. of, 0.8 mi. N. of A., T. & S. F. Ry., in center of sec. 34, T. 7 S., R. 21 E., on W. side of rd., on piece of limestone; chiseled square-----	1, 084. 60
Oak Mills, 2.2 mi. SW. of, 0.7 mi. S. of School 38, at quarter cor. between secs. 23 and 24, T. 7 S., R. 21 E., in NW. corner of Joe Adams place, at SE. corner of crossroads; iron post stamped "1008"-----	1, 006. 561
Oak Mills, at place of John Davitz, in front yard, 19 ft. below store and 2 ft. inside tight board fence; cap on iron pipe (Missouri River Commission B. M. designated "264 82 1")-----	783. 850

From Oskaloosa No. 4 quadrangle near Murray Creek north along road to point near bridge 92 over same creek (by R. F. Gallup in 1934; double-run tie line)

Gospel Tabernacle, about 6.5 mi. W. of Lansing, near quarter cor. on W. side of sec. 19, T. 9 S., R. 22 E., about 0.4 mi. S. of concrete arch bridge (over Murray Creek?), at approximate center of junction of T-rd. E., on top of W. end of N. step of church; chiseled square----	976. 09
Gospel Tabernacle, about 0.4 mi. N. of, in SW. cor. sec. 18, T. 9 S., R. 22 E., 67.7 ft. NW. of concrete arch bridge (over Murray Creek?) 68 ft. NE. of iron post stamped "972", in concrete post; standard tablet stamped "6 G 970 1934"-----	969. 952
Reference mark, 90 ft. NE. of tablet, in root on E. side of elm tree; copper nail and washer-----	969. 46

From Leavenworth quadrangle near Hund west along Union Pacific Railroad to point 2 miles west of Lee (by G. E. Heebink in 1909)

Easton, at intersection of Riley Street and main N.-S. rd., on SW. corner of property of H. Boyle; iron post stamped "904"-----	902. 231
Easton, 0.3 mi. W. of intersection of Riley Street with main N.-S. rd., at end of Riley Street, in stone step of Methodist Episcopal Church; aluminum tablet stamped "909"-----	907. 382
Lee, 2 mi. W. of, about 7 mi. W. of Easton, at quarter cor. between secs. 18 and 19, T. 8 S., R. 20 E.; iron post-----	1, 170. 119

From Oak Mills southwest along roads to point 2 miles east of Potter, thence south along main road near Stranger Creek into Oskaloosa No. 4 quadrangle (leveled twice; by S. K. Atkinson in 1908 and G. E. Heebink in 1909)

Oak Mills, 1.5 mi. S. and 1.5 mi. W. from, on quarter-section-line rd. at corner of property of Henry Paseway; top of large granite boulder----	1, 026. 49
Oak Mills, 1.5 mi. S. and 3.5 mi. W. from, at quarter cor. on E. side of sec. 21, T. 7 S., R. 21 E., at crossroads; iron post stamped "1054"-----	1, 052. 745
Potter, 2 mi. E. of, in SE. cor. NE¼ sec. 19, T. 7 S., R. 21 E., at crossroads; iron post stamped "1008"-----	1, 006. 340
Easton, about 3.5 mi. N. of, on W. side of main pike, in front of farmhouse of Henry Seute; center of top of large stone-----	995. 78
Easton, about 3 mi. N. of, 0.2 mi. E. of Millwood, at fork in rd. near mail box of Max Blecher; iron post stamped "924"-----	922. 970

OLATHE NO. 1 QUADRANGLE

45

Easton, about 1 mi. S. of, on SE. corner of bridge 179 (over Dawson Creek?); bolt.....	<i>Feet</i> 886. 17
Easton, about 2.5 mi. S. of, 4 mi. N. of Springdale, at dwelling of W. A. Hastey; SW. corner of front door step.....	922. 33
Springdale, 2.1 mi. by rd. N. of, on W. side of rd., on NW. side of white house on E. side of rd., in root of tree; 40-penny nail.....	879. 92
Springdale, on N. side of main E.-W. rd., in front of residence of John McQuillan; iron post stamped "1048".....	1, 044. 961

From Oskaloosa No. 4 quadrangle north along roads near west border of Oak Mills quadrangle into Sugar Lake quadrangle (by G. E. Heebink in 1908 and 1909)

Edmunds Church, 50 ft. from corner fence post, in root of 7-in. elm tree; 40-penny nail.....	1, 062. 40
T. 9 S., R. 20 E., 35 ft. N. and 15 ft. E. from quarter cor. between secs. 18 and 19, on E. side of N.-S. rd.; iron post stamped "Prim Trav Sta No 7 1906" (tied to U. S. C. & G. S. line in 1935).....	1, 090. 942
Tps. 8 and 9 S., R. 20 E., at quarter cor. between secs. 6 and 31; iron post.....	1, 088. 867
Tps. 8 and 9 S., Rs. 19 and 20 E., at cor. secs. 1, 6, 31, and 36, at crossroads; top of corner stone.....	1, 098. 97
T. 8 S., Rs. 19 and 20 E., at cor. secs. 25, 30, 31, and 36; top of corner stone.....	1, 122. 19
T. 8 S., R. 20 E., at quarter cor. between secs. 18 and 19; iron post.....	1, 170. 119
Corpus Christi Church, 1 mi. W. of, in Tps. 7 and 8 S., Rs. 19 and 20 E.; iron post stamped "Prim Trav Sta No 9 1906".....	1, 091. 013
T. 7 S., Rs. 19 and 20 E., at cor. secs. 19, 24, 25, and 30, at junction of T-rd., in root of 8-in. locust tree; 40-penny nail.....	1, 044. 80
T. 7 S., R. 19 E., at quarter cor. between secs. 13 and 24, on E. side of N.-S. rd., 10 ft. from corner fence post; iron post.....	990. 625
T. 7 S., R. 19 E., at quarter cor. between secs. 12 and 13, in root on W. side of tree; 40-penny nail.....	1, 085. 81
Cummings, 1 mi. N. of, at quarter cor. between secs. 1 and 36, Tps. 6 and 7 S., R. 19 E., in yard adjoining house, at junction of T-rd.; iron post.....	1, 062. 557

Near southwest corner of quadrangle (by L. V. Johnson in 1935)

T. 9 S., R. 19 E., 0.3 mi. E. of cor. secs. 13, 14, 23, and 24, 35 ft. N. of center line of rd., at bottom of draw, in center of N. concrete head wall of culvert; chiseled square.....	1, 093. 90
---	------------

OLATHE NO. 1 QUADRANGLE ¹⁸

[Latitude 38°45'-39°; longitude 94°30'-94°45']

JOHNSON COUNTY

From Armourdale quadrangle at point on Shawnee Mission Road near Prairie School south along roads near Kansas-Missouri State line to Oxford School, on Olathe Road (by L. V. Johnson in 1933; leveled twice)

Prairie School, 1.0 mi. S. of, 1.0 mi. N. of Corinth School, at quarter cor. between secs. 21 and 22, T. 12 S., R. 25 E., 44 ft. E. and 22 ft. S. from center of crossroads (intersection of 75th Street and Shawnee Mission Road), inside fence, in field, in concrete post; standard tablet stamped "17 J 1933 1018".....	1, 017. 666
---	-------------

¹⁸ This 15-minute quadrangle, part of which lies in Missouri, includes the Grandview and Belton 7½-minute quadrangles.

	<i>Feet</i>
Reference mark, 55 ft. N. and 30 ft. E. from center of crossroads, in root on W. side of 30-in. maple tree; copper nail and washer.....	1, 015. 29
Corinth School, about 120 ft. NW. of corner of, at quarter cor. between secs. 27 and 28, T. 12 S., R. 25 E., 20 ft. S. and 23 ft. W. from center of crossroads, in root on E. side of giant tree; copper nail and washer.....	934. 87
Corinth School, about 0.5 mi. S. of, 1.6 mi. N. of Linwood School, at cor. secs. 27, 28, 33, and 34, T. 12 S., R. 25 E., 15 ft. E. of junction of route rd. and rd. fork W. (83d Street), on S. end of concrete head wall of culvert; chiseled square.....	932. 15
Linwood School, 0.5 mi. N. of, at cor. secs. 3, 4, 33, and 34, Tps. 12 and 13 S., R. 25 E., 70 ft. N. and 30 ft. W. from center of crossroads (intersection of route rd. and 87th Street), in root on E. side of 36-in. maple tree; copper nail and washer.....	962. 46
Linwood School, 23 ft. S. and 55 ft. E. from SE. corner of, at quarter cor. between secs. 3 and 4, T. 13 S., R. 25 E., 200 ft. S. and 34 ft. W. from junction of T-rd. W., in concrete post; standard tablet stamped "18 J 1933 955".....	954. 757
Reference mark, at NW. corner of junction of T-rd. W.; top of S. end of corrugated-iron culvert.....	948. 04
Linwood School, 0.5 mi. S. of, at cor. secs. 3, 4, 9, and 10, T. 13 S., R. 25 E., 40 ft. N. and 30 ft. W. from center of crossroads, on N. end of 30-in. corrugated-iron culvert; chiseled square.....	919. 57
Linwood School, 1.3 mi. S. of, 0.2 mi. S. of quarter cor. between secs. 9 and 10, T. 13 S., R. 25 E., 20 ft. S. and 15 ft. E. from rd. corner, in root on N. side of giant elm tree; copper nail and washer.....	841. 45
T. 13 S., R. 25 E., at quarter cor. between secs. 9 and 16, 20 ft. S. and 190 ft. E. from junction of T-rd. S., in root on S. side of 24-in. elm tree; copper nail and washer.....	914. 67
T. 13 S., R. 25 E., at quarter cor. between secs. 16 and 21, in SW. corner of yard adjoining dwelling of Homer Mann, 19 ft. N. and 26 ft. E. from junction of T-rd. N., in concrete post; standard tablet stamped "19 J 1933 908".....	909. 519
Reference mark, 16 ft. N. and 24 ft. E. from junction of T-rd. N., on concrete base of corner fence post; chiseled square.....	909. 26
Oxford School, 2.1 mi. N. of, at cor. secs. 15, 16, 21, and 22, T. 13 S., R. 25 E., 30 ft. S. and 50 ft. E. from junction of T-rd. S., in root on W. side of 8-in. oak tree; copper nail and washer.....	908. 89
Oxford School, 1.0 mi. N. of, at cor. secs. 21, 22, 27, and 28, T. 13 S., R. 25 E., 15 ft. S. and 21 ft. W. from junction of T-rd. W., 1 ft. W. of corner fence post, on sandstone block; chiseled square.....	969. 34
Oxford School, 72 ft. S. and 42 ft. E. from SE. corner of, at cor. secs. 27, 28, 33, and 34, T. 13 S., R. 25 E., 31 ft. N. and 31 ft. W. from center of crossroads (Olathe rd. and N.-S. rd.), in concrete post; standard tablet stamped "20 J 1933 1002".....	1, 003. 125
Reference mark, 50 ft. N. of NE. corner of schoolhouse, in root on SE. side of 30-in. elm tree; copper nail and washer.....	1, 004. 68
From intersection of 75th Street and Shawnee Mission Road west and north along roads into Armourdale quadrangle (by L. V. Johnson in 1933)	
T. 12 S., R. 25 E., at quarter cor. between secs. 20 and 21, 18 ft. N. and 50 ft. E. from center of crossroads (75th Street and Nall Avenue), at NW. corner of concrete highway bridge, on concrete abutment; chiseled square.....	952. 13

T. 12 S., R. 25 E., at quarter cor. between secs. 19 and 20, 18 ft. N. and 18 ft. W. from center of intersection of 75th Street and U. S. Highway 73 E., on S. end of concrete head wall of culvert; chiseled square	Feet 1, 040. 41
Marty triangulation sta. of U. S. C. & G. S. (top of marble post)-----	1, 088. 919
Marty triangulation sta., 1,200 ft. N. of, 20 ft. S. and 10 ft. W. from center of crossroads, on W. head wall of culvert; chiseled square----	1, 074. 62
Antioch Church, at quarter cor. between secs. 19 and 24, T. 12 S., Rs. 24 and 25 E., 110 ft. N. and 45 ft. W. from center of crossroads, 30 ft. E. of front entrance to church, on concrete block; chiseled square-----	1, 028. 70

On Kansas-Missouri State line near crossing of Indian Creek (by A. V. Ferry in 1933)

Dallas (Mo.), about 0.2 mi. W. of, near W. quarter cor. sec. 31, T. 47 N., R. 33 W., at Kansas-Missouri State line, 30 ft. S. and 25 ft. E. from center of crossroads, on concrete head wall of culvert; chiseled square-----	825. 02
---	---------

In Kansas City—at Meadow Lake Golf Club (by R. F. Gallup in 1933)

Kansas City, near Kansas-Missouri State line, 245 ft. W. and 20 ft. S. from junction of 75th Street and State-line rd., at driveway to Meadow Lake Golf Club; top of bottom hinge on W. gatepost-----	1, 009. 36
---	------------

From Olathe No. 2 quadrangle east along road to Linwood School (by T. B. Matthews in 1935)

T. 13 S., R. 24 E., at quarter cor. between secs. 3 and 4, 240 ft. N. and 12 ft. W. from junction of T-rd., on S. end of W. head wall of concrete culvert; chiseled square-----	1, 003. 96
T. 13 S., R. 24 E., in sec. 4, 15 ft. N. and 10 ft. W. from junction of T-rd., in S. end of W. head wall of concrete culvert; chiseled square--	994. 17
T. 13 S., R. 24 E., at cor. secs. 2, 3, 10, and 11, 23 ft. N. and 27 ft. E. from center of crossroads, 3 ft. NE. of fence, in concrete post; standard tablet stamped "T T 2 K 1935 971"-----	971. 260
Reference mark, 12 ft. S. and 200 ft. E. from tablet, on N. head wall of concrete culvert; chiseled square-----	960. 77
T. 13 S., R. 24 E., at cor. secs. 1, 2, 11, and 12, 190 ft. S. and 25 ft. W. from center of crossroads, in root on SE. side of 24-in. elm tree; copper nail and washer-----	991. 91
T. 13 S., Rs. 24 and 25 E., at cor. secs. 1, 6, 7, and 12, 100 ft. N. and 20 ft. W. from center of crossroads, in root on S. side of 36-in. elm tree; copper nail and washer-----	922. 58
T. 13 S., R. 25 E., at cor. secs. 5, 6, 7, and 8, 70 ft. S. and 27 ft. W. from center of junction of U. S. Highway 73 E. and T-rd. W., on center line of T-rd. E. produced, 135 ft. S. of S. end of bridge over Indian Creek, 2 ft. inside right-of-way fence, in concrete post; standard tablet stamped "T T 1 K 1935"-----	868. 577
Reference mark, 260 ft. N. and 18 ft. E. from tablet, at N. abutment of above-mentioned bridge, on W. end of parapet wall; chiseled square-----	870. 85
T. 13 S., R. 25 E., at cor. secs. 4, 5, 8, and 9, 15 ft. N. and 45 ft. W. from center of crossroads, on N. head wall of concrete culvert; chiseled square-----	870. 30

Linwood School, 1.0 mi. W. of, at quarter cor between secs. 4 and 5, T. 13 S., R. 25 E., 80 ft. N. and 30 ft. W. from junction of T-rd., in root on S. side of 16-in. walnut tree; copper nail and washer-----	Feet 944. 15
--	-----------------

From Olathe No. 2 quadrangle near Olathe east along road to Oxford School
(by T. B. Matthews in 1935)

Olathe, about 3.5 mi. E. of, at cor. secs. 3, 4, 33, and 34, Tps. 13 and 14 S., R. 24 E., 15 ft. N. and 15 ft. W. from center of crossroads, on NE. end of wing wall of concrete culvert; chiseled square-----	1, 012. 06
Olathe, 4.5 mi. E., thence 1 mi. S. by rd. from, at cor. secs. 34, 35, 2, and 3, Tps. 13 and 14 S., R. 24 E., 22 ft. N. and 128 ft. E. from center of crossroads, 2 ft. N. and 5 ft. W. from telephone pole, in concrete post; standard tablet stamped "T T 10 K 1935 1035"----	1, 035. 370
Reference mark, 40 ft. S. and 170 ft. W. from tablet, in root of 6-in. ash tree; copper nail and washer-----	1, 041. 70
Tps. 13 and 14 S., R. 24 E., at cor. secs. 1, 2, 35, and 36, 35 ft. N. of junction of T-rd., in base of 10-in. hedge tree; copper nail and washer.	1, 003. 80
T. 13 S., R. 25 E., at approximate SW. cor. sec. 31, 60 ft. N. and 20 ft. E. from center of crossroads, in root of 10-in. hedge tree; copper nail and washer-----	960. 80
T. 13 S., R. 25 E., at W. cor. secs. 30 and 31, 1 mi. W. of intersection of Olathe (Kans.)-Martin City (Mo.) rd. and U. S. Highway 73 E., 33 ft. N. and 27 ft. E. from center of crossroads, in concrete post; standard tablet stamped "T T 11 1935 948"-----	948. 690
Reference mark, 2,300 ft. E. of tablet, in N. end of E. abutment of bridge across Tomahawk Creek; chiseled square-----	913. 20
Oxford School, 2.0 mi. W. of, at cor. secs. 29, 30, 31, and 32, T. 13 S., R. 25 E., 90 ft. N. and 50 ft. E. from center of intersection of Olathe-Martin City rd. and U. S. Highway 73 E., on E. side of highway, on concrete head wall; chiseled square-----	950. 00
Oxford School, 1.0 mi. W. of, at cor. secs. 28, 29, 32, and 33, T. 13 S., R. 25 E., 10 ft. N. and 100 ft. E. from center of crossroads (Olathe-Martin City rd. and N.-S. rd.), on N. head wall of concrete culvert; chiseled square-----	949. 12

From point near southeast corner of Olathe No. 2 quadrangle east along road
near south border of Olathe No. 1 quadrangle to Kansas-Missouri State line
(by T. B. Matthews in 1935)

T. 15 S., R. 24 E., at cor. secs. 9, 10, 15, and 16, 25 ft. N. and 50 ft. E. from center of crossroads, on SW. corner of concrete well curb; chiseled square-----	1, 087. 31
T. 15 S., R. 24 E., at cor. secs. 10, 11, 14, and 15, 20 ft. N. and 20 ft. E. from center of crossroads, in root on S. side of 24-in. maple tree; copper nail and washer-----	1, 121. 11
T. 15 S., R. 24 E., at cor. secs. 11, 12, 13, and 14, 25 ft. S. and 26 ft. E. from center of crossroads, 5 ft. S. and 5 ft. E. from fence post at NW. corner of orchard, in concrete post; standard tablet stamped "T T 1 H 1935"-----	1, 106. 638
Reference mark, 3,400 ft. E. of tablet, on S. head wall of concrete culvert; chiseled square-----	1, 043. 83
T. 15 S., R. 24 and 25 E., at cor. secs. 1, 6, 7, and 12, 20 ft. N. and 20 ft. E. from center of crossroads, at SW. corner of hedge fence, in root on S. side of 10-in. hedge tree; copper nail and washer-----	1, 072. 44

T. 15 S., R. 25 E., at cor. secs. 5, 6, 7, and 8, 20 ft. N. and 10 ft. E. from center of crossroads, in concrete pavement of highway, at point 4 in. W. of its E. edge, in line with hedge fence W.; chiseled square...	Feet 1, 106. 78
T. 15 S., R. 25 E., at cor. secs. 8, 9, 16, and 17, 31 ft. N. and 21 ft. W. from center of crossroads, 47 ft. N. and 15 ft. E. from 16-in. elm tree, in concrete post; standard tablet stamped "T T 2 H 1935"...	1, 092. 162
Reference mark, 540 ft. W. of tablet, on N. head wall of concrete culvert; chiseled square.....	1, 084. 17
T. 15 S., R. 25 E., at cor. secs. 9, 10, 15, and 16, 18 ft. N. and 18 ft. E. from center of crossroads, at SW. corner of hedge fence, in root on SW. side of 12-inch hedge tree; copper nail and washer.....	1, 055. 71
T. 15 S., R. 25 E., 425 ft. W. of approximate quarter cor. between secs. 10 and 15, 9 ft. N. of center line of E.-W. rd., on N. head wall of concrete culvert; chiseled square.....	1, 029. 02
T. 15 S., R. 25 E., near E. sixteenth cor. between secs. 10 and 15, at crossing of E. fork of creek; center of concrete low-water bridge...	987. 7
T. 15 S., R. 25 E., about 0.2 mi. E. of cor. secs. 10, 11, 14, and 15, 150 ft. S. and 30 ft. E. from junction of State line rd. with T-rd. W., in root on W. side of lone 14-in. elm tree; nail and washer.....	1, 032. 08

From Kansas-Missouri State line at point south of Blue River west and north along roads to Oxford School (by C. T. Shepherd in 1934)

Woodland School, in yard of, in sec. 22, T. 14 S., R. 25 E., 76 ft. NW. of 24-in. elm tree, 63.5 ft. W. of NE. corner of schoolhouse, in concrete post; U. S. C. & G. S. and State Survey standard disk....	986. 296
Woodland School, in yard of, 60 ft. W. of above-described U. S. C. & G. S. and State Survey disk, 8 ft. E. of NE. corner of schoolhouse, on N. side of walk; chiseled square.....	986. 41
Woodland School, 0.8 mi. N. of, near SW. cor. sec. 15, T. 14 S., R. 25 E., on N. end of W. abutment of bridge over Blue River; chiseled square.....	885. 71
Woodland School, 1.5 mi. N. of, 3.1 mi. S. of Oxford School, near NW. cor. sec. 15, T. 14 S., R. 25 E., 350 ft. S. and 15 ft. W. from crossroads, in root of 24-in. oak tree; nail and washer.....	935. 86
Oxford School, 1.0 mi. S. of, 15 ft. N. and 9 ft. E. from SW. cor. sec. 34, T. 13 S., R. 25 E., at crossroads, on N. end of E. wall of culvert; chiseled square.....	948. 50

OLATHE NO. 2 QUADRANGLE

[Latitude 38°45'-39°; longitude 94°45'-95°]

LEAVENWORTH AND JOHNSON COUNTIES

From Olathe No. 1 quadrangle near village of Greenwood along roads generally west to point west of Monticello, thence north along road into Bonner Springs quadrangle (by L. V. Johnson in 1933)

[Line jogs into Bonner Springs quadrangle]

Greenwood village, 0.7 mi. along State Highway 10 E. of, 3.5 mi. SW. of Shawnee, about 850 ft. S. of cor. secs. 16, 17, 20, and 21, T. 12 S., R. 24 E., 37 ft. S. and 50 ft. E. from junction of State Highway 10 and N.-S. rd., in concrete post; standard tablet stamped "T T 2 O 1933 885".....	885. 298
Reference mark, 2,000 ft. NE. of tablet, 35 ft. E. and 15 ft. S. from center of crossroads, on E. end of concrete head wall of culvert; chiseled square.....	907. 61

Greenwood, 0.2 mi. W. of, 2.5 mi. SE. of Zarah, at approximate cor. secs. 17, 18, 19, and 20, T. 12 S., R. 24 E., 15 ft. S. and 25 ft. W. from center of crossroads, on E. end of concrete head wall of culvert; chiseled square-----	<i>Feet</i> 867. 40
Monticello village, near quarter cor. between secs. 15 and 22, T. 12 S., R. 23 E., 35 ft. S. and 35 ft. W. from junction of T-rd. S., in root on NW. side of 30-in. walnut tree; copper nail and washer-----	1, 011. 35
Monticello, 0.7 mi. W. of, 1.0 mi. W. of Virginia School, at cor. secs. 15, 16, 21, and 22, T. 12 S., R. 23 E., 25 ft. N. and 200 ft. W. from center of crossroads, in root on S. side of 18-in. walnut tree; copper nail and washer-----	973. 17
Virginia School, in yard of, at cor. secs. 16, 17, 20 and 21, T. 12 S., R. 23 E., 20 ft. N. and 177 ft. W. from crossroads, 22 ft. E. of hedge at W. side of school grounds, in concrete post; standard tablet stamped "T T 13 O 1933 931"-----	930. 752
Reference mark, at SW. corner of above-mentioned crossroads, on W. concrete head wall of culvert; chiseled square-----	938. 72
Virginia School, 0.5 mi. W. of, at quarter cor. between secs. 17 and 20, T. 12 S., R. 23 E., 22 ft. S. and 35 ft. W. from junction of T-rd. E., in root on E. side of 24-in. oak tree; copper nail and washer-----	936. 44
Along Union Pacific Railroad near Lenape—jog from Bonner Springs quadrangle (by R. F. Gallup in 1934)	
Lenape, 1.5 mi. W. of, near quarter cor. between secs. 16 and 21, T. 12 S., R. 22 E., 58.7 ft. N. of N. rail of S. track of Union Pacific R. R. main line, 1 ft. S. of right-of-way fence, in line with rd. N., in concrete post; standard tablet stamped "T T 21 O 1934 784"-----	783. 824
Reference mark, 60 ft. S. and 90 ft. W. from tablet, on concrete foundation of electric signal post; chiseled square-----	790. 58
T. 12 S., R. 22 E., on W. side of NW¼ sec. 22, about 150 ft. E. of section line, on S. side of Union Pacific R. R. tracks, on top of concrete foundation of "S" post; chiseled square-----	787. 90
Lenape, 500 ft. E. of Union Pacific R. R. sta., 45 ft. E. of center line of N.-S. wagon rd., 25 ft. E. of N.-S. fence line extending N., 11.5 ft. S. of S. rail of main R. R. track, in concrete post; standard tablet stamped "T T 22 O 1934 786"-----	786. 362
Reference mark, 190 ft. S. and 25 ft. W. from tablet, at intersection of N.-S. fence line and S. right-of-way fence of Union Pacific R. R., in root on E. side of elm tree; nail and washer-----	780. 38
Lenape, 0.6 mi. E. of, near SW. cor. sec. 14, T. 12 S., R. 22 E., on Union Pacific R. R., on top of NW. anchor bolt of electric semaphore 228; chiseled square-----	788. 20
From village of Greenwood south and west along roads to Spring Hill, thence west and north along roads and U. S. Highway 60 to Olathe (by T. E. Matthews in 1935)	
Greenwood, 1.5 mi. SE. of, at cor. secs. 20, 21, 28, and 29, T. 12 S., R. 24 E., 30 ft. N. and 15 ft. E. from center of crossroads, on N. end of head wall of concrete culvert; chiseled square-----	942. 77
Greenwood, 2.0 mi. SE. of, 350 ft. S. and 15 ft. E. from W. quarter cor. sec. 20, T. 12 S., R. 24 E., on E. head wall of concrete culvert; chiseled square-----	988. 92

Greenwood, 2.5 mi. SE. of, 1.5 mi. by rd. NW. of Lenexa, at cor. secs. 28, 29, 32, and 33, T. 12 S., R. 24 E., 24 ft. S. and 42 ft. E. from center of crossroads, 1 ft. N. of fence, in concrete post; standard tablet stamped "T T 12 K 1935 1024"-----	<i>Feet</i> 1, 023. 794
Reference mark, 160 ft. N. and 80 ft. W. from tablet, in root of 12-in. apple tree; copper nail and washer-----	1, 030. 50
T. 12 S., R. 24 E., 730 ft. S. of cor. secs. 28, 29, 32, and 33, 12 ft. E. of center line of rd., on masonry head wall of culvert; chiseled square-----	995. 79
T. 12 S., R. 24 E., 40 ft. E. of quarter cor. between secs. 32 and 33, in hedge stump; copper nail and washer-----	1, 037. 14
Tps. 12 and 13 S., R. 24 E., at cor. secs. 4, 5, 32, and 33, 25 ft. N. and 20 ft. W. from center of crossroads, in concrete base of fence corner; chiseled square-----	1, 035. 14
T. 13 S., R. 24 E., at quarter cor. between secs. 4 and 5, 25 ft. S. and 25 ft. E. from junction of T-rd. E., in base of 12-in. ash tree; copper nail and washer-----	1, 042. 53
T. 13 S., R. 24 E., about 100 ft. W. of center of sec. 4, 20 ft. N. and 25 ft. W. from center of intersection of U. S. Highway 50 and E.-W. rd., on W. side of highway, on W. end of concrete head wall; chiseled square-----	1, 048. 28
Lackmans, about 1 mi. N. of, at quarter cor. between secs. 8 and 9, T. 13 S., R. 24 E., 22 ft. S. and 74 ft. W. from junction of T-rd. W., 1 ft. S. of fence, in concrete post; standard tablet stamped "T T 3 K 1935 1055"-----	1, 055. 052
Reference mark, 22 ft. N. and 150 ft. E. from tablet, 75 ft. E. of junction of T-rds., in base of 12-in. hackberry tree; copper nail and washer-----	1, 050. 58
Lackmans, 0.3 mi. N. of, 940 ft. S. of cor. secs. 8, 9, 16, and 17, T. 13 S., R. 24 E., at intersection of U. S. Highway 50 and N.-S. rd., 15 ft. W. of center line of N.-S. rd., 20 ft. SE. of center line of highway, in wing wall of concrete culvert; chiseled square-----	1, 051. 14
Lackmans, 0.5 mi. S. of, at cor. secs. 16, 17, 20, and 21, T. 13 S., R. 24 E., 25 ft. N. and 36 ft. E. from center of crossroads, 3 ft. NE. of corner of hedge, in root of 12-in. thorny-locust tree; copper nail and washer-----	1, 041. 22
Lackmans, 1.5 mi. S. of, at cor. secs. 20, 21, 28, and 29, T. 13 S., R. 24 E., 20 ft. N. and 10 ft. W. from center of crossroads, in W. head wall of concrete culvert; chiseled square-----	977. 70
Green Springs School, 2.5 mi. E. of Olathe, at cor. secs. 28, 29, 32, and 33, T. 13 S., R. 24 E., 32 ft. S. and 73 ft. W. from center of crossroads, 49 ft. N. and 19 ft. E. from NE. corner of schoolhouse, 3 ft. S. of iron rail fence, in concrete post; standard tablet stamped "T T 9 K 1935 1055"-----	1, 055. 044
Reference mark, 500 ft. S. and 85 ft. E. from tablet, on W. wall of concrete culvert; chiseled square-----	1, 039. 25
Green Springs School, 1.0 mi. S. of, about 2.5 mi. SE. of Olathe, near cor. secs. 4, 5, 32, and 33, Tps. 13 and 14 S., R. 24 E., 200 ft. S. and 20 ft. W. from center of crossroads, in root on N. side of 20-in. ash tree; copper nail and washer-----	1, 060. 17
Olathe, about 3.5 mi. SE. of, near cor. secs. 4, 5, 8, and 9, T. 14 S., R. 24 E., 120 ft. S. and 20 ft. E. from center of crossroads, in root on W. side of 10-in. elm tree; copper nail and washer-----	1, 092. 40

Olathe, about 4.5 mi. SE. of, at cor. secs. 8, 9, 16, and 17, T. 14 S., R. 24 E., 25 ft. N. and 145 ft. E. from center of crossroads, in pasture, 3 ft. N. of wire fence, in concrete post; standard tablet stamped "M 1 1935 1049"-----	Feet 1, 049. 243
Reference mark, 680 ft. N. and 155 ft. W. from tablet, 10 ft. W. of center line of rd., on NW. wing wall of concrete abutment; chiseled square-----	1, 016. 32
T. 14 S., R. 24 E., 510 ft. S. of approximate cor. secs. 16, 17, 20, and 21, 10 ft. W. of center line of N.-S. rd., on NW. concrete wing wall of small bridge over Coffee Creek; chiseled square-----	1, 002. 30
T. 14 S., R. 24 E., 10 ft. W. of approximate quarter cor. between secs. 20 and 21, in line with E.-W. fence, on W. head wall of concrete culvert; chiseled square-----	1, 036. 30
Bonita, 3 mi. E. of, at cor. secs. 20, 21, 28, and 29, T. 14 S., R. 24 E., 40 ft. N. and 25 ft. W. from center of crossroads, in hedge fence, at base of 12-in. hedge tree, on top of 2-in. hedge stump; copper nail and washer-----	1, 067. 39
T. 14 S., R. 24 E., 230 ft. N. of quarter cor. between secs. 28 and 29, on E. head wall of concrete culvert; chiseled square-----	1, 025. 97
Bonita, 3 mi. E. and 1 mi. S. from, 2.0 mi. N. and 3.0 mi. E. from Ocheltree, at cor. secs. 28, 29, 32, and 33, T. 14 S., R. 24 E., 20 ft. S. and 80 ft. E. from center of crossroads, 3 ft. S. of wire fence, in field, in concrete post; standard tablet stamped "M 2 1935 1004"-----	1, 003. 940
Reference mark, 1,250 ft. S. and 70 ft. W. from tablet, in E. end of S. concrete abutment of steel-truss bridge; chiseled square-----	997. 87
Ocheltree, 3.0 mi. E. and 1.0 mi. N. from, at cor. secs. 4, 5, 32, and 33, Tps. 14 and 15 S., R. 24 E., 20 ft. S. and 20 ft. W. from center of crossroads, in root on E. side of 14-in. hackberry tree; copper nail and washer-----	1, 061. 85
Ocheltree, 3.0 mi. E. of, 3.0 mi. E. and 1.5 mi. N. from Spring Hill, at cor. secs. 4, 5, 8, and 9, T. 15 S., R. 24 E., 40 ft. S. and 20 ft. E. from center of crossroads, in wire-fence line, 15 ft. S. of fence corner, in root on N. side of 12-in. hedge tree; copper nail and washer-----	1, 094. 59
Spring Hill village, 3 mi. E. and 0.5 mi. N. from, in SE. cor. sec. 8, T. 15 S., R. 24 E., 90 ft. N. and 25 ft. W. from center of crossroads, in field, 10 ft. S. of 24-in. hedge tree, 2 ft. W. of wire fence, in concrete post; standard tablet stamped "M 3 1935 1057"-----	1, 057. 702
Reference mark, 580 ft. N. and 20 ft. E. from tablet, on W. end of S. concrete abutment; chiseled square-----	1, 043. 76
Tuckerville School, 230 ft. W. and 50 ft. S. from, 2 mi. E. and 0.5 mi. N. from Spring Hill, at cor. secs. 7, 8, 17, and 18, T. 15 S., R. 24 E., 15 ft. N. and 12 ft. E. from center of crossroads, on N. head wall of concrete culvert; chiseled square-----	1, 043. 27
Spring Hill, 1 mi. E. and 0.5 mi. N. from, 50 ft. N. of approximate cor. secs. 7, 12, 13, and 18, T. 15 S., Rs. 23 and 24 E., in old lane, in root on S. side of 10-in. elm tree; copper nail and washer-----	1, 034. 02
Spring Hill, 0.5 mi. N. of, at cor. secs. 11, 12, 13, and 14, T. 15 S., R. 23 E., 10 ft. N. and 30 ft. W. from center of crossroads, 360 ft. E. of Frisco R. R., on N. head wall of concrete culvert; chiseled square....	1, 039. 01
Spring Hill, on N. edge of, on N. side of sec. 14, T. 15 S., R. 23 E., 20 ft. N. and 100 ft. W. from junction of T-rd. W., on W. side of State Highway 7 (also 16), 2 ft. N. of hedge fence, in row of 14-in. walnut trees, in concrete post; standard tablet stamped "M 4 1935 1050"-----	1, 050. 356

Reference mark, 90 ft. N. and 150 ft. E. from tablet, 70 ft. S. of junction of T-rd. E., on E. head wall of concrete culvert under highway; chiseled square.....	<i>Feet</i> 1, 049. 47
Spring Hill, in NW. part of, at cor. secs. 10, 11, 14, and 15, T. 15 S., R. 23 E., at bend in rd., 180 ft. S. and 10 ft. W. from junction of T-rd. W., 230 ft. W. of junction of T-rd. S., on top of 24-in. thorny-locust stump; copper nail and washer.....	1, 043. 52
Beckley School, 1.0 mi. W. of Spring Hill, at cor. secs. 9, 10, 15, and 16, T. 15 S., R. 23 E., 15 ft. N. and 10 ft. E. from center of crossroads, 100 ft. N. and 35 ft. W. from NW. corner of schoolhouse, on E. head wall of concrete culvert; chiseled square.....	1, 008. 92
Beckley School, 1.0 mi. N. of, 2.0 mi. W. of Ocheltree, at cor. secs. 3, 4, 9, and 10, T. 15 S., R. 23 E., 18 ft. N. and 14 ft. W. from center of crossroads, on W. head wall of concrete culvert; chiseled square.....	998. 64
Ocheltree, 2.5 mi. W. of, 150 ft. W. of approximate quarter cor. between secs. 4 and 9, T. 15 S., R. 23 E., 10 ft. S. of center line of rd., on concrete hand rail; chiseled square.....	993. 02
Ocheltree, 3.0 mi. W. of, 4.0 mi. S. of Clare sta. on Atchison, Topeka & Santa Fe Ry., in NW. cor. sec. 9, T. 15 S., R. 23 E., 25 ft. S. and 150 ft. E. from junction of T-rd. N., 3 ft. S. and 3 ft. W. from NE. corner of fence around yard, in concrete post; standard tablet stamped "M 5 1935 1032".....	1, 032. 041
Reference mark, 900 ft. N. and 160 ft. W. from tablet, on W. head wall of concrete culvert; chiseled square.....	1, 020. 36
Clare sta., 3.0 mi. S. of, at cor. secs. 4, 5, 32, and 33, Tps. 14 and 15 S., R. 23 E., 10 ft. S. and 20 ft. W. from center of crossroads, on S. head wall of concrete culvert; chiseled square.....	1, 006. 26
Clare sta., 2.5 mi. S. of, 25 ft. W. of approximate quarter cor. between secs. 32 and 33, T. 14 S., R. 23 E., at E. end of hedge fence, in root on N. side of 12-in. hedge tree; copper nail and washer.....	1, 037. 60
Clare sta., 2.0 mi. S. of, at cor. secs. 28, 29, 32, and 33, T. 14 S., R. 23 E., 20 ft. S. and 50 ft. E. from center of crossroads, in root on E. side of 10-in. hedge tree; copper nail and washer.....	1, 042. 14
Clare sta., 1.5 mi. S. of, 260 ft. S. of approximate quarter cor. between secs. 28 and 29, T. 14 S., R. 23 E., on W. head wall of concrete culvert; chiseled square.....	1, 030. 60
Clare sta., 1.1 mi. S. of, at cor. secs. 20, 21, 28, and 29, T. 14 S., R. 23 E., 30 ft. N. and 90 ft. W. from center of crossroads, 3 ft. N. of hedge fence, in concrete post; standard tablet stamped "M 6 1935 1062".....	1, 062. 504
Reference mark, 380 ft. N. and 40 ft. E. from tablet, in NE. corner of yard, at N. end of row of trees, on E. side of 20-in. walnut tree; copper nail and washer.....	1, 065. 90
Clare sta., 600 ft. W. of, at cor. secs. 16, 17, 20, and 21, T. 14 S., R. 23 E., 560 ft. N. of center of crossroads, 120 ft. N. of center line of Atchison, Topeka & Santa Fe Ry., on W. head rail of concrete bridge; chiseled square.....	1, 027. 99
Clare sta., 1.0 mi. N. of, at cor. secs. 8, 9, 16, and 17, T. 14 S., R. 23 E., 70 ft. N. and 15 ft. W. from center of intersection of U. S. Highway 50 and E.-W. rd., on W. side of highway, on W. head wall of concrete culvert; chiseled square.....	1, 044. 64

Sunflower School, 3.0 mi. by rd. SW. of Olathe, at cor. secs. 4, 5, 8, and 9, T. 14 S., R. 23 E., near bend in U. S. Highway 50, 210 ft. S. and 40 ft. W. from center of crossroads, in schoolyard at point 2 ft. N. of its S. fence, in concrete post; standard tablet stamped "M 7 1935 1070"-----	Feet 1, 069. 839
Reference mark, 225 ft. N. and 2,550 ft. E. from tablet, 90 ft. E. of approximate quarter cor. between secs. 4 and 9, T. 14 S., R. 23 E., on N. side of U. S. Highway 50, on N. head wall of concrete culvert; chiseled square-----	1, 016. 86
Olathe, 2.0 mi. SW. of, in SE¼ sec. 4, T. 14 S., R. 23 E., on U. S. Highway 50 at bridge over Cedar Creek, on E. end of N. concrete curb; chiseled square-----	972. 35
T. 14 S., R. 23 E., in NE¼ sec. 3, on U. S. Highway 50, 380 ft. SW. of intersection of center line of highway with line between sec. 3, T. 14 S., and sec. 34, T. 13 S., 15 ft. E. of center line of concrete pavement, on E. head wall of concrete culvert; chiseled square-----	1, 042. 62
Olathe, 12 ft. S. and 12 ft. E. from intersection of U. S. Highway 50 and Wabash Street, in S. head wall of concrete culvert; chiseled square-----	1, 019. 81
From Bonner Springs quadrangle south and east along roads to point 1 mile north of Lackmans station (by T. B. Matthews in 1935)	
Virginia School, 1.5 mi. SW. of, at quarter cor. between secs. 20 and 29, T. 12 S., R. 23 E., 290 ft. N. and 10 ft. W. from junction of T-rd. E., on W. head wall of concrete culvert; chiseled square-----	916. 62
T. 12 S., R. 23 E., at approximate center of sec. 29, 45 ft. N. and 20 ft. W. from center of intersection of State Highway 10 and route rd., on N. side of highway, on W. head wall of concrete culvert, chiseled square-----	971. 62
T. 12 S., R. 23 E., at quarter cor. between secs. 29 and 32, in SE. corner of old Murphy Cemetery, 35 ft. W. of center line of N.-S. rd., in root on E. side of 16-in. cedar tree; copper nail and washer--	1, 000. 18
T. 12 S., R. 23 E., in center sec. 32, 410 ft. N. of junction of E.-W. rd. and T-rd. N., 310 ft. NW. of farmhouse of William Holmquist, 24 ft. W. of center line of rd., 6 ft. W. of fence line, in concrete post; standard tablet stamped "T T 6 K 1935 979"-----	979. 354
Reference mark, 460 ft. SE. of tablet, 200 ft. E. of junction of T-rd. N., 6 ft. S. of center line of E.-W. rd., on S. head wall of concrete culvert; chiseled square-----	969. 00
T. 12 S., R. 23 E., at quarter cor. between secs. 32 and 33, 60 ft. N. and 65 ft. W. from junction of T-rd. W., at S. corner of tower of airway revolving beacon light, on concrete base of tower; chiseled square-----	1, 016. 40
Tps. 12 and 13 S., R. 23 E., at approximate cor. secs. 4, 5, 32, and 33, 10 ft. S. and 10 ft. E. from junction of T-rd. N., on S. head wall of concrete culvert; chiseled square-----	1, 006. 39
Prairie Star School, at approximate cor. secs. 3, 4, 33, and 34, Tps. 12 and 13 S., R. 23 E., 100 ft. S. and 60 ft. W. from junction of State Highway 7 and T-rd. W., 8 ft. E. of NE. corner of schoolhouse, on NE. corner of concrete curb to well; chiseled square-----	976. 16
Prairie Star School, 1.0 mi. S. of, 4.0 mi. N. and 1.0 mi. W. from Olathe, on State Highway 7, at approximate cor. secs. 3, 4, 9, and 10, T. 13 S., R. 23 E., 24 ft. N. and 28 ft. W. from center of crossroads, 4 ft. N. and 5 ft. W. from hedge-fence corner, in concrete post; standard tablet stamped "T T 5 K 1935 1053"-----	1, 053. 357

Reference mark, 1,580 ft. N. of tablet, 10 ft. W. of center line of State Highway 7, on W. head wall of concrete culvert; chiseled square-----	<i>Feet</i> 1, 038. 43
T. 13 S., R. 23 E., at approximate cor. secs. 2, 3, 10, and 11, 24 ft. N. of junction of T-rd. S., on point of intersection of curve on State Highway 7, in root on S. side of 14-in. hedge tree; copper nail and washer-----	1, 054. 26
T. 13 S., R. 23 E., 1,050 ft. E. of quarter cor. between secs. 2 and 11, 23 ft. N. of center line of E.-W rd., in yard of William Anderson, in root on SW. side of 30-in. maple tree; copper nail and washer-----	1, 027. 00
T. 13 S., R. 23 E., 1,150 ft. N. of cor. secs. 11, 12, 13, and 14, 50 ft. W. of center line of N.-S. rd., 60 ft. N. of center of iron gate at entrance to driveway to house of G. E. Hoff, 25 ft. W. of woven-wire fence, in root on E. side of 36-in. maple tree; copper nail and washer-----	1, 021. 20
Olathe, 2.5 mi. N. of, at cor. secs. 11, 12, 13, and 14. T. 13 S., R. 23 E., 21 ft. S. and 78 ft. W. from center of crossroads, 4 ft. S. and 38 ft. W. from large rock gatepost, in concrete post; standard tablet stamped "T T 4 K 1935 982"-----	982. 091
Reference mark, 1,330 ft. E. of tablet, 10 ft. N. of center line of rd., on NW. wing wall of concrete bridge; chiseled square-----	936. 58
T. 13 S., R. 23 E., 700 ft. E. of quarter cor. between secs. 12 and 13, 200 ft. W. of center line of Atchison, Topeka & Santa Fe Ry., 40 ft. S. of E.-W. rd., in root on N. side of 20-in. oak tree; copper nail and washer-----	924. 42
T. 13 S., Rs. 23 and 24 E., at cor. secs. 7, 12, 13, and 18, 15 ft. N. and 12 ft. W. from center of crossroads, in concrete base of corner fence post; chiseled square-----	1, 006. 55
T. 13 S., R. 24 E., at cor. secs. 7, 8, 17, and 18, 1,060 ft. W. of center of crossroads, 10 ft. S. of center line of E.-W. rd., on S. head wall of concrete culvert; chiseled square-----	1, 013. 16
Lackmans, about 2 mi. NW. of, at approximate quarter cor. between secs. 7 and 8, T. 13 S., R. 24 E., 18 ft. S. and 18 ft. E. from junction of T-rd. E., on NW. corner of base of stone post; chiseled square--	974. 04
From point on State Highway 7 about 1 mile south of Prairie School west, south, and east along roads to Olathe (by T. B. Matthews in 1935; leveled twice)	
Twin Springs School, 1.0 mi. NW. of, 2 mi. by rd. SW. of Prairie School, in SE. cor. sec. 5, T. 13 S., R. 23 E., 15 ft. N. and 20 ft. W. from junction of T-rd. S., in root on SW. side of 12-in. walnut tree; copper nail and washer-----	1, 005. 23
Twin Springs School, 120 ft. N. and 85 ft. W. from, at cor. secs. 8, 9, 16, and 17, T. 13 S., R. 23 E., 10 ft. S. and 20 ft. W. from center of crossroads, on S. head wall of concrete culvert; chiseled square-----	1, 025. 59
Twin Springs School, 1 mi. S. of, at cor. secs. 16, 17, 20, and 21, T. 13 S., R. 23 E., 25 ft. S. and 12 ft. W. from junction of T-rd. N., 175 ft. S. and E. from farmhouse of T. N. Atkinson, 5 ft. S. and 8 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 7 K 1935 869"-----	869. 618
Reference mark, 180 ft. N. and 12 ft. W. from tablet, in yard of T. N. Atkinson, 2 ft. W. of fence, in root on S. side of triple elm tree; copper nail and washer-----	874. 05
T. 13 S., R. 23 E., near cor. secs. 20, 21, 28, and 29, 20 ft. S. and 70 ft. E. from center of crossroads, in root on W. side of 14-in. elm tree; copper nail and washer-----	1, 000. 89

Olathe, about 2 mi. W. of, at cor. secs. 28, 29, 32, and 33, T. 13 S., R. 23 E., on Prairie Center rd. at point 23 ft. N. and 83 ft. E. from junction of T-rd. N., 5 ft. from row of elm trees in fence line, in concrete post; standard tablet stamped "T T 8 K 1935 1036"-----	Feet 1, 036. 685
Reference mark, 1,250 ft. E. of tablet, 640 ft. N. of center line of Prairie Center (E.-W.) rd.: 15 ft. E. of stone fence, on N. edge of grove, in root of 10-in. tree; copper nail and washer-----	1, 050. 66
Olathe, about 1 mi. W. of, near cor. secs. 27, 28, 33, and 34, T. 13 S., R. 23 E., 740 ft. E. of junction of Prairie Center rd. and T-rd. N., 10 ft. N. of center line of Prairie Center rd., on N. head wall of concrete culvert; chiseled square-----	1, 014. 38
Olathe, 380 ft. E. of center line of State Highway 7, 10 ft. N. of center line of Santa Fe Street, on concrete hand rail of bridge; chiseled square-----	989. 86

From Olathe east along road to Green Springs School (by T. B. Matthews in 1935)

U. S. C. & G. S. standard disk stamped "E 222 1934"-----	1, 034. 758
Olathe, at SE. corner of city hall, on top of stone water table; chiseled square-----	1, 030. 14
Olathe, on E. edge of, at cor. secs. 25, 30, 31, and 36, T. 13 S., Rs. 23 and 24 E., 30 ft. S. and 15 ft. W. from center of crossroads, on W. head wall of concrete culvert; chiseled square-----	1, 047. 09
Olathe, 1.0 mi. E. of, 1.0 mi. W. of Green Springs School, T. 13 S., R. 24 E., at cor. secs. 29, 30, 31, and 32, 15 ft. S. and 10 ft. E. from center of crossroads, on limestone ledge; chiseled square-----	1, 036. 55

From Bonner Springs quadrangle south across Kansas River to De Soto, thence southwest along roads into Lawrence quadrangle (by T. B. Matthews in 1935)

De Soto, across Kansas River from, 1.2 mi. SW. of Lenape, 7 ft. S. and 15 ft. E. from intersection of center line of S. track of Union Pacific R. R. with center line of wagon rd. between secs. 21 and 22, T. 12 S., R. 22 E., in W. edge of cattle guard; copper nail and washer-----	789. 14
De Soto, 120 ft. N. of N. end of bridge over Kansas River, 15 ft. W. of center line of N.-S. rd., in root on SE. side of 24-in. ash tree; copper nail and washer-----	790. 04
De Soto, at main entrance to high school, on E. end of limestone door-sill; standard tablet stamped "M 8 1935 842"-----	842. 030
Reference mark, 350 ft. W. of tablet, 12 ft. N. of center line of 3d Avenue, on N. head wall of concrete culvert; chiseled square-----	826. 36
De Soto, 0.6 mi. SW. of, in SW¼ sec. 28, T. 12 S., R. 22 E., on W. side of State Highway 10, 200 ft. S. of residence of Dr. R. W. Boone, on head wall of concrete culvert; chiseled square-----	866. 44
De Soto, 1.1 mi. SW. of, 325 ft. E. of approximate quarter cor. between secs. 29 and 32, T. 12 S., R. 22 E., 8 ft. N. of center line of E.-W. rd., on head wall of concrete culvert; chiseled square-----	873. 77

From Lawrence quadrangle near village of Prairie Center east along road to point near Olathe (by T. B. Matthews in 1935)

Prairie Center, 0.9 mi. E. of, on line between secs. 29 and 32, T. 13 S., R. 22 E., at bridge over Spoon Creek, on S. end of E. pier; chiseled square-----	890. 79
--	---------

Prairie Center, 1.1 mi. E. of, at cor. secs. 28, 29, 32, and 33, T. 13 S., R. 22 E., 15 ft. N. and 280 ft. W. from center of crossroads, on N. head wall of concrete culvert; chiseled square-----	<i>Feet</i> 950. 80
T. 13 S., R. 22 E., 2,450 ft. E. of cor. secs. 28, 29, 32, and 33, on N. end of E. abutment of steel bridge over Kill Creek; chiseled square-----	877. 93
T. 13 S., R. 22 E., at cor. secs. 27, 28, 33, and 34, 15 ft. N. and 70 ft. W. from junction of T-rd. N., on N. head wall of concrete culvert; chiseled square-----	921. 36
Weaverly School, 0.5 mi. W. of, 6.5 mi. W. of Olathe, 1,000 ft. W. of approximate quarter cor. between secs. 27 and 34, T. 13 S., R. 22 E., 50 ft. S. and 20 ft. W. from SW. cor. of house of Leo Barthol, 30 ft. N. of center line of E.-W. rd., in concrete post; standard tablet stamped "M 12 1935 968"-----	968. 347
Reference mark, 1,120 ft. E. and 15 ft. S. from tablet, on N. head wall of concrete culvert; chiseled square-----	987. 09
Weaverly School, at cor. secs. 26, 27, 34, and 35, T. 13 S., R. 22 E., 35 ft. N. and 80 ft. E. from center of crossroads, on SE. corner of concrete curb to school cistern; chiseled square-----	991. 87
Weaverly School, 1.0 mi. E. of, 1.0 mi. W. of Moonlight School, at cor. secs. 25, 26, 35, and 36, T. 13 S., R. 22 E., 20 ft. N. and 12 ft. E. from center of crossroads, on E. head wall of concrete culvert; chiseled square-----	1, 017. 46
Moonlight School, about 0.5 mi. W. of, 350 ft. E. of approximate quarter cor. between secs. 25 and 36, T. 13 S., R. 22 E., 15 ft. S. of center line of E.-W. rd., on S. head wall of culvert, on top of E. concrete post; chiseled square-----	1, 011. 21
Moonlight School, 4 mi. W. of Olathe, at cor. secs. 25, 30, 31, and 36, T. 13 S., Rs. 22 and 23 E., 55 ft. N. and 200 ft. E. from center of crossroads, in SE. corner of schoolyard, in concrete post; standard tablet stamped "M 13 1935 1040"-----	1, 040. 613
Reference mark, 70 ft. S. and 170 ft. W. from tablet, on S. head wall of concrete culvert; chiseled square-----	1, 039. 17
Moonlight School, about 0.8 mi. E. of, on line between secs. 30 and 31, T. 13 S., R. 23 E., on N. steel truss of bridge over Little Cedar Creek, on first joint in top chord from E. end; head of rivet-----	922. 19
Moonlight School, 1.0 mi. E. of, 3.0 mi. W. of Olathe, at cor. secs. 29, 30, 31, and 32, T. 13 S., R. 23 E., 18 ft. N. and 18 ft. E. from junction of T-rd. S., in root on S. side of 14-in. elm tree; copper nail and washer-----	1, 023. 60
From Lawrence quadrangle near village of Prairie Center east, south, and west along roads and back into Lawrence quadrangle (by T. B. Matthews in 1935)	
Prairie Center, 1.0 mi. S. and 1 mi. E. from, at quarter cor. between secs. 5 and 32, Tps. 13 and 14 S., R. 22 E., 25 ft. S. and 10 ft. E. from junction of T-rd. S., on E. head wall of concrete culvert; chiseled square-----	956. 86
T. 14 S., R. 22 E., at quarter cor. between secs. 5 and 8, 153 ft. N. and 31 ft. W. from center of crossroads, 3 ft. W. of fence line of pasture, in concrete post; standard tablet stamped "14 M 1935 951"-----	950. 903
Reference mark, 1,020 ft. N. of tablet, on SE. wing wall of concrete bridge; chiseled square-----	943. 84
T. 14 S., R. 22 E., at quarter cor. between secs. 8 and 17, 10 ft. N. and 20 ft. E. from center of crossroads, on N. head wall of concrete culvert; chiseled square-----	984. 42

T. 14 S., R. 22 E., at quarter cor. between secs. 17 and 20, 20 ft. S. and 10 ft. E. from center of crossroads, on E. head wall of concrete culvert; chiseled square.....	Feet 1, 031. 12
Gardner, 3.5 mi. by direct rd. W. of, about 3 mi. N. and 1 mi. E. from Edgerton, at quarter cor. between secs. 20 and 29, T. 14 S., R. 22 E., 116 ft. N. and 42 ft. W. from crossroads, 86 ft. N. and 18 ft. W. from fence post, at SE. corner of yard surrounding dwelling of George M. Rankin, in and at S. end of row of cedar trees, in concrete post; standard tablet stamped "15 M 1935 1052".....	1, 052. 141
Reference mark, 700 ft. N. and 10 ft. E. from tablet, on E. head wall of concrete culvert; chiseled square.....	1, 048. 07

From Lawrence quadrangle east along Edgerton-Ocheltree road to point 3 miles west of Ocheltree and 3 miles north and west from Spring Hill (by T. B. Matthews in 1935)

Edgerton, about 0.7 mi. by rd. E. of, 2,300 ft. E. and about 300 ft. S. from standard tablet stamped "16 M 1935 981", 9.5 ft. S. of center line of W.-bound main-line tracks of Atchison, Topeka & Santa Fe Ry., at center of N. side of concrete battery box; top of anchor bolt.....	968. 33
Edgerton, 1.5 mi. E. of, 600 ft. E. and 6 ft. S. from approximate cor. secs. 4, 5, 8, and 9, T. 15 S., R. 22 E., 630 ft. E. of grade crossing over W.-bound tracks of A., T. & S. F. Ry., at bridge over Bull Creek, in S. end of E. concrete abutment; chiseled square.....	947. 48
Edgerton, 2 mi. E. of, at quarter cor. between secs. 4 and 9, T. 15 S., R. 22 E., 30 ft. N. and 30 ft. E. from junction of T.-rd. N., in root on S. side of 26-in. hedge tree; copper nail and washer.....	1, 006. 13
Edgerton, 2.5 mi. E. of, at cor. secs. 3, 4, 9, and 10, T. 15 S., R. 23 E., 30 ft. N. and 25 ft. W. from center of crossroads, in yard surrounding dwelling of B. J. Fluri, in fence line, in concrete post: standard tablet stamped "M 17 1935 1004".....	1, 004. 488
Reference mark, 1,200 ft. E. of tablet, 25 ft. N. of center line of E.-W. rd., at SW. corner of hedge fence, in root on S. side of 16-in. hedge tree; copper nail and washer.....	1, 040. 34
Edgerton, 3.6 mi. E. of, 35 ft. S. and 90 ft. E. of center of crossroads, in yard surrounding dwelling of Roll Maye, in root on N. side of 26-in. maple tree; copper nail and washer.....	1, 006. 39
Gardner, 3 mi. S. of, 4.5 mi. E. of Edgerton, at cor. secs. 1, 2, 11, and 12, T. 15 S., R. 22 E., 30 ft. S. and 240 ft. W. from center of crossroads, in NW. corner of yard surrounding dwelling of Stella M. Marshall, 2 ft. S. and 8 ft. E. from 18-in. walnut tree; in concrete post; standard tablet stamped "M 18 1935 1059".....	1, 059. 502
Reference mark, 2,260 ft. E. of tablet, 10 ft. S. of center line of E.-W. rd., on S. head wall of concrete culvert; chiseled square.....	1, 059. 54
Ocheltree, 5 mi. W. of, 5.5 mi. E. of Edgerton, at cor. secs. 1, 6, 7, and 12, T. 15 S., R. 22 and 23 E., 136 ft. S. and 28 ft. E. from center of crossroads, 6 ft. S. of N. end of hedge fence, in hedge stump at point flush with surface of ground; copper nail and washer.....	1, 056. 03
Ocheltree, 4 mi. W. of, at cor. secs. 1, 6, 7, and 12, T. 15 S., R. 23 E., 1,400 ft. E. of center of crossroads, 12 ft. N. of center line of E.-W. rd., on E. end of N. head wall of concrete culvert; chiseled square.....	1, 031. 21
Ocheltree, 4 mi. W. of, at cor. secs. 5, 6, 7, and 8, T. 15 S., R. 23 E., 27 ft. N. and 35 ft. E. from center of crossroads, 1 ft. N. of wire fence, in root on W. side of 20-in. ash tree; copper nail and washer.....	1, 035. 75

Ocheltree, 3.5 mi. W. of, 3.5 mi. by route rd. NW. of Spring Hill, 290 ft. E. of approximate quarter cor. between secs. 5 and 8, T. 15 S., R. 23 E., at steel bridge over Nile Creek, on E. end of top chord of S. truss; head of rivet.....	Feet 967. 64
--	-----------------

OSKALOOSA NO. 3 QUADRANGLE

[Latitude 39°-39°15'; longitude 95°15'-95°30']

DOUGLAS AND JEFFERSON COUNTIES

From Oskaloosa No. 2 quadrangle near its southeast corner south along road to point 3 miles east of Oskaloosa (by L. V. Johnson in 1935; leveled twice)

T. 9 S., R. 19 E., about 400 ft. N. of cor. secs. 23, 24, 25, and 26, 25 ft. W. of center line of rd., on S. end of W. concrete head wall of culvert; chiseled square.....	1, 104. 92
T. 9 S., R. 19 E., at quarter cor. between secs. 25 and 26, 205 ft. N. and 160 ft. W. from center of crossroads, 110 ft. SW. of windmill, 19 ft. N. of center line of rd., in N. concrete head wall of large culvert over drain; standard tablet stamped "2 J 1935".....	1, 108. 751
Tps. 9 and 10 S., R. 19 E., at cor. secs. 1, 2, 35, and 36, 28 ft. E. and 12 ft. S. from center of crossroads, on S. end of corrugated-iron culvert; chiseled cross.....	1, 112. 99
T. 10 S., R. 19 E., at cor. secs. 1, 2, 11, and 12, 75 ft. W. and 20 ft. N. from junction of T-rd., W., on N. concrete head wall of culvert; chiseled square.....	1, 110. 18
Oskaloosa courthouse, 3.2 mi. E. of, on State Highway 92, in draw, in N. head wall of highway culvert; standard tablet stamped "Y 121 1934".....	1, 125. 162

OSKALOOSA NO. 4 QUADRANGLE

[Latitude 39°-39°15'; longitude 95°-95°15']

DOUGLAS, JEFFERSON, AND LEAVENWORTH COUNTIES

From Oak Mills quadrangle south along road to Ackerland, thence east and northeast along old railroad bed by way of Boling into Bonner Springs quadrangle (by S. K. Atkinson in 1908; releveled by G. E. Heebink in 1908)

Springdale, 1.5 mi. S. of, 2 mi. N. of Ackerland, at crossroads near mail box 60, in root on N. side of forked oak tree; nail.....	947. 00
Ackerland, 1 mi. N. of, at NE. cor. sec. 36, T. 9 S., R. 20 E.; corner stone.....	1, 005. 10
Ackerland, 300 ft. E. of abandoned sta., at intersection of old R. R. track with main N.-S. pike; point on track.....	1, 038. 86
Ackerland, 1 mi. E. of, 2 mi. W. of Jarbalo, on SW. corner of R. R. bridge 32; bolt.....	969. 67
Jarbalo, 1 mi. W. of, at R. R. crossing; joint on S. rail.....	917. 3
Jarbalo, 120 ft. E. of abandoned sta., 30 ft. S. of tracks; iron post stamped "871".....	869. 440
Jarbalo, 1 mi. E. of, on SW. corner of R. R. bridge 29; bolt.....	855. 53
Jarbalo, 2 mi. E. of, in SE. corner of R. R. bridge 26; bolt.....	863. 83

From Bonner Springs quadrangle at point on U. S. Highway 40 west, south, and east along roads and back into Bonner Springs quadrangle (by R. F. Gallup in 1934)

Tonganoxie, 4.5 mi. E. and 1 mi. N. from, near quarter cor. between secs. 5 and 6, T. 11 S., R. 22 E., 96 ft. S. of junction of route rd. and T-rd. N., 2 ft. E. of hedge, in concrete post; standard tablet stamped "T T 20 O 1934 897".....	897. 016
---	----------

Reference mark, 95 ft. S. and 40 ft. W. from tablet, in root on E. side of honey-locust tree; nail and washer-----	Feet 894. 60
T. 11 S., R. 22 E., near cor. secs. 5, 6, 7, and 8, 270 ft. S. and 18 ft. E. from center of intersection of route rd. and E.-W. rd., in root on W. side of elm tree; nail and washer-----	827. 10
T. 11 S., R. 22 E., 170 ft. N. and 135 ft. W. from quarter cor. between secs. 7 and 8, in dooryard, in root on S. side of hackberry tree; nail and washer-----	885. 62
T. 11 S., R. 22 E., at cor. secs. 7, 8, 17, and 18, 2 ft. E. and 39 ft. N. from intersection of U. S. Highway 40 and E.-W. rd., on head wall of concrete culvert; chiseled square-----	865. 34
Tonganoxie, about 4 mi. E. of, 10 ft. W. and 30 ft. S. from quarter cor. between secs. 17 and 18, T. 11 S., R. 22 E., in root on S. side of elm tree; nail and washer-----	858. 61
Tonganoxie, 4.5 mi. E. and 1.5 mi. S. from, in SE¼ sec. 18, T. 11 S., R. 22 E., near junction of route rd. and T-rd. E., 21 ft. W. of center line of highway, 210 ft. N. of center line of T-rd. E., 2 ft. E. of hedge fence, in concrete post; standard tablet stamped "T T 18 O 1934 896"-----	895. 713
Reference mark, about 18 ft. N. and 20 ft. W. from cor. secs. 17, 18, 19, and 20, on W. side of highway, in root on S. side of 24-in. hedge tree; nail and washer-----	887. 79
T. 11 S., R. 22 E., about 20 ft. W. of quarter cor. between secs. 19 and 20, on N. side of 18-in. hedge tree; nail and washer-----	910. 99
Daffer School, at cor. secs. 19, 20, 29, and 30, T. 11 S., R. 22 E., 30 ft. E. and 32 ft. N. from center of crossroads, in SW. corner of school yard, in root on E. side of 12-in. oak tree; nail and washer-----	874. 46
T. 11 S., R. 22 E., near quarter cor. between secs. 29 and 30, on S. end of W. curb of concrete bridge; chiseled square-----	833. 55
T. 11 S., R. 22 E., at cor. secs. 29, 30, 31, and 32, 16 ft. S. and 12 ft. E. from center of crossroads, on E. head wall of concrete culvert; chiseled square-----	905. 54
T. 11 S., R. 22 E., 0.2 mi. N. of quarter cor. between secs. 31 and 32, on E. side of rd., on top of hill, in W. side of stump of cherry tree; nail-----	969. 04
T. 12 S., R. 22 E., at N. cor. secs. 5 and 6, at crossroads, about 20 ft. S. and 20 ft. E. from fence corner, in root of elm tree; nail and washer--	956. 96
Eckman triangulation sta. of U. S. C. & G. S. (standard dish in top of marble post)-----	1, 004. 358
Eckman triangulation sta., 135 ft. SE. of, near NW. cor. sec. 5, in root on W. side of maple tree; ½-in. carriage bolt-----	1, 007. 41
T. 12 S., R. 22 E., near quarter cor. between secs. 5 and 6, on E. side of rd., in root on W. side of cherry tree; copper nail and washer----	954. 24
T. 12 S., R. 22 E., near cor. secs. 5, 6, 7, and 8, 30 ft. E. and 80 ft. S. from center of crossroads, in root on N. side of twin oak tree; nail and washer-----	912. 36

From Bonner Springs quadrangle near Little Stranger Creek west and north along roads into Oak Mills quadrangle (part of double-run tie line by R. F. Gallup in 1934)

Central (District 9) School, 0.2 mi. W. of Little Stranger Creek and 0.6 mi. E. of Murray Creek, at quarter cor. between secs. 19 and 30, T. 9 S., R. 22 E., at junction of route rd. and T-rd. S., about 26 ft. S. and 68 ft. E. from school building, in N. end of concrete step; chiseled square-----	1, 003. 63
--	------------

SUGAR LAKE QUADRANGLE

61

Central School, 0.5 mi. W. of, 0.6 mi. S. of Gospel Tabernacle, at W. cor. secs. 19 and 30, T. 9 S., R. 22 E., about 28 ft. S. and 8 ft. E. from junction of T-rd., in E. wing wall of N. abutment, at steel highway bridge (over Murray Creek?); chiseled square-----	Feet 917. 14
--	-----------------

PARSONS QUADRANGLE

[Latitude 37°-37°30'; longitude 95°-95°30']

CHEROKEE, CRAWFORD, LABETTE, AND NEOSHO COUNTIES

From Columbus quadrangle west along Baxter Springs-Coffeyville road (U. S. Highway 166) to Chetopa (by F. L. Whaley in 1916)

Chetopa, about 3 mi. E. of, 3 mi. W. of Melrose, on line between secs. 32 and 5, Tps. 34 and 35 S., R. 22 E., at iron bridge over stream, in N. end of W. abutment; chiseled square-----	785. 23
Chetopa, 2 mi. E. of, at W. cor. secs. 6 and 31, Tps. 34 and 35 S., R. 22 E., in NW. corner of crossroads, on W. end of concrete culvert; chiseled square-----	789. 22
Chetopa, at NE. corner of electric-light plant; U. S. Dept. Agr. iron post stamped "Drainage Office Experiment Sta., U. S. Dept. Agri. 801.25"-----	803. 031
Chetopa, in wall of school building at point 1 ft. W. of its SE. corner and 1 ft. above ground; standard tablet stamped "823.646"-----	825. 348

PITTSBURG QUADRANGLE ¹⁹

[Latitude 37°15'-37°30'; longitude 94°30'-94°45']

CHEROKEE AND CRAWFORD COUNTIES

From Cherokee quadrangle east along road near south border of Pittsburg quadrangle to sec. 14, T. 32 S., R. 25 E., thence south into Galena quadrangle (by D. C. Wray in 1900 and F. L. Whaley in 1916)

T. 32 S., R. 24 E., 20 ft. S. and 30 ft. W. from cor. secs. 13, 14, 23, and 24, at SW. corner of crossroads; iron post stamped "Prim Trav Sta No 16 1916 916"-----	913. 645
T. 32 S., R. 25 E., in NW. cor. sec. 19, SE. of crossroads, 4 ft. E. of corner fence post; iron post stamped "904 CRTHG"-----	901. 621

SUGAR LAKE QUADRANGLE ¹⁹

[Latitude 39°30'-39°45'; longitude 95°-95°15']

ATCHISON AND DONIPHAN COUNTIES

From Oak Mills quadrangle northeast along Atchison, Topeka & Santa Fe Railway to Atchison, thence southeast 3 miles along Missouri Pacific Railroad (by S. K. Atkinson in 1906 and G. E. Heebink in 1903-9; leveled twice)

Parnell, 35 ft. W. of general store (formerly post office); iron post (as recovered by U. S. C. & G. S. in 1935)-----	1, 053. 286
Parnell, 3 mi. NE. of, about 3 mi. SW. of Atchison, between A., T. & S. F. Ry. bridges 7 and 8, near Ry. crossing; iron post-----	906. 485
Atchison, 3 mi. SE. of, 130 ft. S. of Missouri Pacific R. R. milepost 327, 59 ft. W. of center of track, near bluff, 10 ft. above grade, 16 ft. toward river from old wagon rd., 8 ft. SE. of 10-in. crab-apple tree; cap of iron pipe (Missouri River Commission B. M. designated "267")-----	799. 116

¹⁹ Part of this quadrangle lies in Missouri.

SYRACUSE QUADRANGLE

[Latitude 37°30'-38°; longitude 101°30'-102°]

GRANT, HAMILTON, KEARNY, AND STANTON COUNTIES

From Lakin quadrangle northwest along Atchison, Topeka & Santa Fe Railway into Tribune quadrangle (by J. C. Barber in 1896 and M. C. McFarlane in 1897)

Kendall, 1,500 ft. E. of sta., 137 ft. E. of W. side of sec. 30, T. 24 S., R. 38 W., between Ry. and rd., 53 ft. S. of center line of rd., 49 ft. N. of center line of tracks; iron post stamped "G 13 3123" (tied to U. S. C. & G. S. in 1935)	Feet 3, 131. 095
Kendall, in front of sta.; top of rail	3, 137. 0
Kendall, 3 mi. NW. of, 3 mi. SE. of Mayline, 12 ft. W. of line between secs. 21 and 22, T. 24 S., R. 39 W., 49 ft. S. of center line of tracks, 20 ft. W. of crossing of private rd.; iron post stamped "G 14 3152"	3, 160. 363
Mayline, 15 ft. E. and 10 ft. S. from NW. cor. sec. 19, T. 24 S., R. 39 W., on S. side of track; iron post stamped "G 15 3175"	3, 183. 412
Syracuse, 2.5 mi. E. of, 3.2 mi. W. of Mayline, 40 ft. N. and 15 ft. E. from quarter cor. between secs. 15 and 16, T. 24 S., R. 40 W., at mileage 451.3, 50 ft. S. of center line of track, 25 ft. E. of center of crossing of private rd.; iron post stamped "G 16 3198" (as recovered by U. S. C. & G. S. in 1934)	3, 205. 574
Syracuse, at sta.; top of rail at crossing	3, 231. 3
Syracuse, in western part of, 1,765 ft. S. and 30 ft. E. from NW. cor. sec. 7, T. 24 S., R. 40 W., 475 ft. S. of center line of track; iron post stamped "G 17 3230"	3, 238. 492
Syracuse, 3.8 mi. W. of, 10 ft. E. of fence between secs. 3 and 4, T. 24 S., R. 41 W., 47 ft. S. of center line of track; iron post stamped "G 18 3254"	3, 262. 495

From Kendall south across Arkansas River (by M. C. McFarlane in 1897; unchecked spur line)

T. 25 S., R. 38 W., 70 ft. SE. of NW. cor. sec. 6; iron post stamped "G 71 3147"	3, 154. 683
--	-------------

Near Kendall (by Nat Tyler, Jr., in 1898; unchecked spur line)

Kendall, about 3 mi. SW. of, in NE. cor. sec. 4, T. 25 S., R. 39 W.; iron post stamped "3176"	3, 183. 640
---	-------------

Near Syracuse (by Nat Tyler, Jr., in 1898; unchecked spur line)

Syracuse, about 2 mi. NW. of, about 0.3 mi. N. of A., T. & S. F. Ry., 200 ft. E. of center of sec. 2, T. 24 S., R. 41 W., 150 ft. W. of intersection of half-section line with irrigation ditch; iron post stamped "3247"	3, 254. 791
---	-------------

On Arkansas River west of Syracuse (by Nat Tyler, Jr., in 1898; unchecked spur line)

Syracuse, about 7 mi. W. of, on line between secs. 1 and 6, T. 24 S., Rs. 41 and 42 W., 50 ft. S. of bank of Arkansas River, at fence corner; iron post stamped "3287"	3, 275. 170
--	-------------

From Syracuse south along State Highway 27 to Johnson, thence east along U. S. Highway 160 into Lakin quadrangle (by M. C. McFarlane in 1897; double-rodged)

	<i>Feet</i>
Syracuse, 5.5 mi. by rd. S. of, in SE¼ sec. 1, T. 25 S., R. 41 W., 30 ft. W. of highway; iron post stamped "G 23 3392"-----	3, 400. 436
South Syracuse triangulation sta., 8.5 mi. S. of Syracuse, in SE¼ sec. 24, T. 25 S., R. 41 W., a few ft. W. of highway, on highest ground in vicinity; iron post stamped "G 24 3528"-----	3, 515. 368
T. 25 S., R. 40 W., in SW. cor. sec. 31; iron post stamped "G 25 3489"-----	3, 496. 704
T. 26 S., R. 41 W., 52 ft. W. and 19 ft. S. from NE. cor. sec. 23; iron post stamped "G 26 3362" (reset by Kansas Highway Dept. in 1933 at same elevation)-----	3, 369. 790
Floto, 5.0 mi. N. of, in SW. cor. sec. 36, T. 26 S., R. 41 W., on E. side of highway; iron post stamped "G 27 3265"-----	3, 272. 713
Floto, 2.0 mi. N. of, in SW. cor. sec. 13, T. 27 S., R. 41 W., on E. side of highway; iron post stamped "G 28 3284"-----	3, 291. 213
Floto, 1.0 mi. S. of, 6 mi. by rd. N. of Johnson, 58 ft. N. and 47 ft. E. from SW. cor. sec. 36, T. 27 S., R. 41 W., 51.5 ft. E. of highway; iron post stamped "G 29 3304" (as reset in 1935 by Kansas Highway Dept.)-----	3, 311. 872
Johnson, 3 mi. by rd. W. and N. from, in SW. cor. sec. 13, T. 28 S., R. 41 W., on E. side of highway; iron post stamped "G 30 3341"-----	3, 348. 516
Johnson, 0.5 mi. SE. of, on U. S. Highway 160, in SE. cor. sec. 36, T. 28 S., R. 41 W.; iron post stamped "G 31 3329"-----	3, 335. 642
Johnson, 3.5 mi. S. and E. from, in SE. cor. sec. 33, T. 28 S., R. 40 W.; iron post stamped "G 32 3276"-----	3, 282. 895
Johnson, 6.5 mi. E. of, in SE. cor. sec. 36, T. 28 S., R. 40 W.; iron post stamped "G 33 3222" (recovered by U. S. C. & G. S. in 1935)-----	3, 228. 843
Johnson, 9.5 mi. E. of, about 13 mi. W. of Ulysses, in SE. cor. sec. 33, T. 28 S., R. 39 W.; iron post stamped "G 34 3187"-----	3, 193. 402
Ulysses, about 10 mi. W. of, in SE. cor. sec. 36, T. 28 S., R. 39 W.; iron post stamped "G 35 3117" (recovered by U. S. C. & G. S. in 1935)-----	3, 124. 293

From intersection of U. S. Highway 160 and Stanton-Grant county line south along county-line road 3 miles (by Nat Tyler, Jr., in 1898; unchecked spur line)

T. 29 S., R. 38 W., in SW. cor. sec. 18; iron post stamped "3139"-----	3, 145. 745
--	-------------

From Lakin quadrangle about 2.5 miles south of Bear Creek west along township-line road to point 1 mile south of Floto (by Nat Tyler, Jr., in 1898; part of unadjusted line from point 4.5 miles north of Ulysses closing 1.475 ft. low)

T. 27 S., R. 39 W., in SE. cor. sec. 36; iron post stamped "3126"-----	3, 133. 278
T. 27 S., R. 39 W., in SE. cor. sec. 33; iron post stamped "3164"-----	3, 171. 091
T. 27 S., R. 40 W., in SE. cor. sec. 36; iron post stamped "3193"-----	3, 199. 667
T. 27 S., R. 40 W., in SE. cor. sec. 33; iron post stamped "3264"-----	3, 271. 346
T. 27 S., R. 40 W., in SE. cor. sec. 31; iron post stamped "3296"-----	3, 303. 349

From point 1 mile south of Floto west along township-line road 8 miles, thence south 6 miles, thence east along U. S. Highway 160 to Johnson (by Nat Tyler, Jr., in 1898)

T. 27 S., R. 41 W., in SE. cor. sec. 33; iron post stamped "3351"-----	3, 358. 752
T. 27 S., R. 42 W., in SE. cor. sec. 36; iron post stamped "3396"-----	3, 403. 743
T. 27 S., R. 42 W., in SE. cor. sec. 33; iron post stamped "3477"-----	3, 484. 248
T. 28 S., R. 42 W., in SE. cor. sec. 33; iron post stamped "3446"-----	3, 453. 594

T. 28 S., R. 42 W., in SE. cor. sec. 36; iron post stamped "3408"-----	3, 414. 833
T. 28 S., R. 41 W., at E. $\frac{1}{4}$ cor. sec. 33; iron post stamped "3375"---	3, 382. 559

From point 11 miles south of Syracuse on State Highway 27 west along road 9 miles, thence north 6 miles, thence east 3 miles (by Nat Tyler, Jr., in 1898; unchecked spur line)

T. 25 S., R. 41 W., in SE. cor. sec. 33; iron post stamped "3530"-----	3, 537. 938
T. 25 S., R. 42 W., in SE. cor. sec. 36; iron post stamped "3430"-----	3, 438. 123
T. 26 S., R. 42 W., in NE. closing cor. sec. 5; iron post stamped "3434"-----	3, 441. 480
T. 25 S., R. 42 W., in NE. cor. sec. 21; iron post stamped "3522"---	3, 529. 871
T. 25 S., R. 42 W., in NE. cor. sec. 4; iron post stamped "3489"-----	3, 497. 199
T. 24 S., R. 42 W., in SE. cor. sec. 36; iron post stamped "3435"-----	3, 443. 189

From point 11 miles south of Syracuse on State Highway 27 east along township line to point near Hamilton-Kearny county line, thence south 2.5 miles (by Nat Tyler, Jr., in 1898; unchecked spur line)

T. 26 S., R. 40 W., in NW. closing cor. sec. 5; iron post stamped "3470"-----	3, 478. 006
T. 25 S., R. 40 W., at SW. cor. sec. 36; iron post stamped "3437"---	3, 444. 682
T. 25 S., R. 39 W., in SE. cor. sec. 31; iron post stamped "3409"-----	3, 416. 301
T. 26 S., R. 39 W., in NE. closing cor. sec. 5; iron post stamped "3381"---	3, 388. 786
T. 26 S., R. 39 W., in NW. closing cor. sec. 1; iron post stamped "3254"-----	3, 262. 059
T. 26 S., R. 39 W., at E. quarter cor. sec. 14; iron post stamped "3322"-----	3, 329. 350

TRIBUNE QUADRANGLE

[Latitude 38°-38°30'; longitude 101°30'-102°]

GREELEY, HAMILTON, KEARNY, AND WICHITA COUNTIES

From Syracuse quadrangle northwest along Atchison, Topeka & Santa Fe Railway into Granada quadrangle (by M. C. McFarlane in 1897)

Syracuse, about 7 mi. NW. of, about 7.5 mi. SE. of Coolidge, 12 ft. E. of line between secs. 31 and 36, T. 23 S., Rs. 41 and 42 W., 47 ft. S. of center line of track; iron post stamped "G 19 3278"-----	3, 286. 066
Coolidge, 4.7 mi. SE. of, 1,848 ft. S. of NW. cor. sec. 27, T. 23 S., R. 42 W., at mileage 464.0, 47 ft. S. of center line of track; iron post stamped "G 20 3303" (as recovered by U. S. C. & G. S. in 1934)---	3, 311. 398
Coolidge, 1.8 mi. E. of sta., 12 ft. E. of W. side of sec. 19, T. 23 S., R. 42 W., 48 ft. S. of tracks; iron post stamped "G 21 3337"-----	3, 345. 206

WYANDOTTE QUADRANGLE ²⁰

[Latitude 36°30'-37°; longitude 94°30'-95°]

CHEROKEE COUNTY

From point on Kansas-Oklahoma State line 2 miles south of Baxter Springs west along road at State line to west border of quadrangle (by F. W. Hughes in 1906 and F. L. Whaley in 1916)

Baxter Springs, about 2 mi. S. of city hall, 3.8 mi. N. and E. from Lincolnville (Okla.), 2 ft. N. of E.-W. wire fence, S. of State-line rd.; iron post stamped "Prim Trav Sta No 11 845 1906" (in Okla.)-----	842. 406
--	----------

²⁰ The larger part of this quadrangle lies in Oklahoma and most of the remainder in Missouri. The Kansas portion consists of only a narrow strip of territory extending along the north border of the quadrangle for about three-quarters of its length and lying just south of latitude 37°.

Quapaw (Okla.), 2.9 mi. by direct rd. N. of, about 5 mi. by rd. SW. of Baxter Springs, at NE. cor. sec. 15, T. 29 N., R. 23 E. (Okla.); iron post stamped "841" (in Okla.)-----	<i>Feet</i> 837. 946
T. 29 N., R. 23 E. (Okla.), 200 ft. W. of N. closing cor. secs. 15 and 16, 30 ft. S. of junction of State-line rd. and T-rd. N., in base of transmission pole at point about 1.5 ft. above ground; copper nail and washer (in Okla.)-----	837. 97
Treece, 0.6 mi. E. of, at N. cor. secs. 16 and 17, T. 29 N., R. 23 E. (Okla.), 150 ft. E. of junction of State-line rd. and T-rd. S., in base of transmission pole; copper nail and washer-----	846. 81
Treece, 0.3 mi. W. of, in NW. cor. sec. 17, T. 29 N., R. 23 E. (Okla.); iron post stamped "823" (in Okla.)-----	819. 974
Fourmile Creek, 0.6 mi. E. of, in NW. cor. sec. 15, T. 29 N., R. 22 E. (Okla.); iron post stamped "836" (in Okla.)-----	833. 313
Fourmile Creek, 0.5 mi. W. of, at S. cor. fractional secs. 13 and 18, T. 35 S., Rs. 22 and 23 E., at NW. corner of junction of State-line rd. and T-rd. N., in root of 18-in. hard-maple tree; copper nail and washer-----	819. 39
T. 35 S., R. 22 E., at S. cor. fractional secs. 14 and 15, at W. end of wooden bridge at junction of State-line rd. and T-rd. N., in top of bridge floor; copper nail and washer-----	821. 66
Fairview School, 1.2 mi. S. of, 630 ft. W. of junction of State-line rd. and T-rd. S. at N. cor. secs. 13 and 14, T. 29 N., R. 21 E. (Okla.), 20 ft. S. of S. cor. fractional secs. 15 and 16, T. 35 S., R. 22 E. (Kans.), on S. side of rd., opposite T-rd. N.; iron post stamped "Prim Trav Sta No 21 1916 798" (in Okla.)-----	795. 177

SUPPLEMENTAL ELEVATIONS

The table below shows the altitudes of stations along the railroads in Kansas, the top of the rail at each being chosen to represent that station. The figures of elevation were compiled originally by Henry Gannett,²¹ mostly from railroad profiles. They are approximate only and should not be used for accurate work.

Supplemental elevations in Kansas

Location	County	Elevation
Abbyville, A., T. & S. F. Ry	Reno	1,656
Abilene, U. P. R. R.	Dickinson	1,155
Ada, A., T. & S. F. Ry	Ottawa	1,284
Admire, M. P. R. R.	Lyon	1,228
Agenda, C., R. I. & P. Ry	Republic	1,409
Agra, C., R. I. & P. Ry	Phillips	1,856
Agricola, A., T. & S. F. Ry	Coffey	1,137
Alkins, U. P. R. R.	Pottawatomie	1,170
Alameda, M. P. R. R.	Kingman	1,581
Alamota, A., T. & S. F. Ry	Lane	2,607
Albert, A., T. & S. F. Ry	Barton	1,909
Albion, A., T. & S. F. Ry	Harper	1,264
Alden, A., T. & S. F. Ry	Rice	1,680
Alexander, A., T. & S. F. Ry	Rush	2,072
Alida, U. P. R. R.	Geary	1,103
Allen, M. P. R. R.	Lyon	1,314
Alma, A., T. & S. F. Ry	Wabaunsee	1,059
Almena, C., B. & Q. R. R.	Norton	2,157
Altair, U. P. R. R.	Thomas	3,160
Alta Vista, C., R. I. & P. Ry	Wabaunsee	1,430
Altamont, St. L.-S. F. Ry	Labette	909
Alton, M. P. R. R.	Osborne	1,637
Amador, A., T. & S. F. Ry	Butler	1,137
Americus, M.-K.-T. R. R.	Lyon	1,152
Ames, M. P. R. R.	Cloud	1,308
Amiot, M. P. R. R.	Anderson	1,048
Andale, M. P. R. R.	Sedgwick	1,437
Andover, St. L.-S. F. Ry	Butler	1,350
Angola, M.-K.-T. R. R.	Labette	792
Anna, St. L.-S. F. Ry	Bourbon	980
Annelly, M. P. R. R.	Harvey	1,380
Anness, A., T. & S. F. Ry	Sedgwick	1,382
Anson, M. P. R. R.	Sumner	1,294
Antelope, C., R. I. & P. Ry	Marion	1,369
Anthony, A., T. & S. F. Ry	Harper	1,343
Appleton, U. P. R. R.	Doniphan	996
Arcadia, St. L.-S. F. Ry	Crawford	818
Arcola, U. P. R. R.	Ellsworth	1,432
Argentine, A., T. & S. F. Ry	Wyandotte	751
Argonia, A., T. & S. F. Ry	Sumner	1,247
Arkalon, C., R. I. & P. Ry	Seward	2,607

²¹ Gannett, Henry, A dictionary of altitudes in the United States (fourth edition): U. S. Geol. Survey Bull. 274, pp. 333-360, 1905.

Location	County	Elevation
Arkansas City, St. L.-S. F. Ry	Cowley	1, 075
Arlington, C., R. I. & P. Ry	Reno	1, 594
Arma, M. P. R. R.	Crawford	1, 017
Armstrong, U. P. R. R.	Wyandotte	757
Arnold, M. P. R. R.	Ness	2, 567
Arrington, U. P. R. R.	Atchison	930
Ascot, A., T. & S. F. Ry	Harper	1, 421
Asherville, U. P. R. R.	Mitchell	1, 347
Ashland, A., T. & S. F. Ry	Clark	1, 950
Ashley, St. L.-S. F. Ry	Greenwood	996
Ashton, A., T. & S. F. Ry	Sumner	1, 216
Assaria, U. P. R. R.	Saline	1, 285
Astor, M. P. R. R.	Greeley	3, 759
Atchison, union station	Atchison	795
Athol, C., R. I. & P. Ry	Smith	1, 786
Atlanta, St. L.-S. F. Ry	Cowley	1, 433
Attica, A., T. & S. F. Ry	Harper	1, 446
Atwood, C., B. & Q. R. R.	Rawlins	2, 845
Augusta, A., T. & S. F. Ry	Butler	1, 223
Aulne, C., R. I. & P. Ry	Marion	1, 399
Aurora, A., T. & S. F. Ry	Cloud	1, 481
Austin, M.-K.-T. R. R.	Neosho	906
Axtell, U. P. R. R.	Marshall	1, 361
Azua, M. P. R. R.	Bourbon	818
Bailey, St. L.-S. F. Ry	Wilson	1, 202
Baileyville, U. P. R. R.	Nemaha	1, 293
Baker, M. P. R. R.	Brown	1, 161
Bala, C., R. I. & P. Ry	Riley	1, 266
Balta, U. P. R. R.	Russell	1, 880
Bandera, M. P. R. R.	Bourbon	849
Bangor, M.-K.-T. R. R.	Miami	846
Barber, St. L.-S. F. Ry	Crawford	971
Barclay, A., T. & S. F. Ry	Osage	1, 178
Barnard, A., T. & S. F. Ry	Lincoln	1, 325
Barnes, M. P. R. R.	Washington	1, 334
Barrett, M. P. R. R.	Marshall	1, 130
Bartlett, M. P. R. R.	Labette	888
Barush, M. P. R. R.	Rush	2, 028
Basil, A., T. & S. F. Ry	Kingman	1, 597
Batesville, M. P. R. R.	Woodson	1, 059
Bavaria, U. P. R. R.	Saline	1, 272
Baxter Springs, St. L.-S. F. Ry	Cherokee	825
Bayard, M.-K.-T. R. R.	Allen	1, 023
Bayneville, M. P. R. R.	Sedgwick	1, 300
Bazaar, A., T. & S. F. Ry	Chase	1, 225
Bazine, A., T. & S. F. Ry	Ness	2, 120
Beagle, M.-K.-T. R. R.	Miami	952
Beardsley, C., B. & Q. R. R.	Rawlins	3, 197
Beattie, U. P. R. R.	Marshall	1, 293
Beaumont, St. L.-S. F. Ry	Butler	1, 589
Bedford, M. P. R. R.	Stafford	1, 844
Beeler, A., T. & S. F. Ry	Ness	2, 484
Bellaire, C., R. I. & P. Ry	Smith	1, 868
Belle Plaine, A., T. & S. F. Ry	Sumner	1, 205
Bellefont, A., T. & S. F. Ry	Ford	2, 348
Belleville, U. P. R. R.	Republic	1, 544
Belmont, M. P. R. R.	Kingman	1, 574
Beloit, M. P. R. R.	Mitchell	1, 380
Belpre, A., T. & S. F. Ry	Edwards	2, 082
Belvidere, A., T. & S. F. Ry	Kiowa	1, 840
Belvue, U. P. R. R.	Pottawatomie	960
Bendena, C. R. I. & P. Ry	Doniphan	1, 109
Benedict, A., T. & S. F. Ry	Wilson	865

Location	County	Elevation
Benedict Junction, A., T. & S. F. Ry.	Wilson	843
Bennington, U. P. R. R.	Ottawa	1, 223
Bentley, St. L.-S. F. Ry.	Sedgwick	1, 392
Benton, M. P. R. R.	Butler	1, 366
Bern, C., R. I. & P. Ry.	Nemaha	1, 280
Berryton, M. P. R. R.	Shawnee	992
Berwick, C., R. I. & P. Ry.	Nemaha	1, 358
Bethel, K. C., L. & W. Ry.	Wyandotte	998
Beulah, St. L.-S. F. R. R.	Crawford	970
Bevard, U. P. R. R.	Jackson	952
Beverly, U. P. R. R.	Lincoln	1, 326
Big Bend, M. P. R. R.	Phillips	1, 849
Big Hill, St. L.-S. F. Ry.	Labette	823
Big Stranger, U. P. R. R.	Leavenworth	847
Bigelow, M. P. R. R.	Marshall	1, 118
Bird City, C., B. & Q. R. R.	Cheyenne	3, 454
Bishop, C., R. I. & P. Ry.	Shawnee	885
Bison, M. P. R. R.	Rush	2, 015
Black Wolf, U. P. R. R.	Ellsworth	1, 568
Blaine, U. P. R. R.	Pottawatomie	1, 507
Blair, U. P. R. R.	Doniphan	897
Blakeman, C., B. & Q. R. R.	Rawlins	2, 899
Blodgett, St. L.-S. F. Ry.	Greenwood	1, 455
Bloom, C., R. I. & P. Ry.	Ford	2, 586
Bloomington, M. P. R. R.	Osborne	1, 603
Blue Mound, M. P. R. R.	Linn	1, 046
Blue Rapids, U. P. R. R.	Marshall	1, 119
Bluff City, A., T. & S. F. Ry.	Harper	1, 202
Bogue, U. P. R. R.	Graham	2, 039
Boicourt, St. L.-S. F. Ry.	Linn	801
Bolton, A., T. & S. F. Ry.	Montgomery	825
Bonita, St. L.-S. F. Ry.	Johnson	1, 105
Bonner Springs, A., T. & S. F. Ry.	Wyandotte	785
Boyd, M. P. R. R.	Barton	1, 854
Boyle, U. P. R. R.	Jefferson	1, 200
Braddock, A., T. & S. F. Ry.	Harvey	1, 404
Brainerd, M. P. R. R.	Butler	1, 372
Brazilton, A., T. & S. F. Ry.	Crawford	1, 013
Bremen, U. P. R. R.	Marshall	1, 328
Brenham, C., R. I. & P. Ry.	Kiowa	2, 197
Brenner, C., B. & Q. R. R.	Doniphan	972
Brewer, A., T. & S. F. Ry.	Ottawa	1, 268
Brewster, C., R. I. & P. Ry.	Thomas	3, 420
Bridgeport, M. P. R. R.	Saline	1, 303
Bristol, M.-K.-T. R. R.	Coffey	1, 072
Bronson, M. P. R. R.	Bourbon	1, 071
Brooks, St. L.-S. F. Ry.	Wilson	882
Brookville, U. P. R. R.	Saline	1, 354
Brosseau, U. P. R. R.	Cloud	1, 332
Broughton, U. P. R. R.	Clay	1, 170
Brownell, M. P. R. R.	Ness	2, 419
Bruce, St. L.-S. F. Ry.	Crawford	899
Buck Creek, U. P. R. R.	Jefferson	846
Bucklin, C., R. I. & P. Ry.	Ford	2, 413
Bucyrus, M. P. R. R.	Miami	1, 116
Buffalo Park, U. P. R. R.	Gove	2, 749
Buhler, St. L.-S. F. Ry.	Reno	1, 480
Bunkerhill, U. P. R. R.	Russell	1, 862
Burden, A., T. & S. F. Ry.	Cowley	1, 375
Burdett, A., T. & S. F. Ry.	Pawnee	2, 113
Burdick, A., T. & S. F. Ry.	Morris	1, 460
Burgess, St. L.-S. F. Ry.	Butler	1, 426
Burlingame, A., T. & S. F. Ry.	Osage	1, 057

Location	County	Elevation
Burlington, A., T. & S. F. Ry	Coffey	1,037
Burlington Junction, A., T. & S. F. Ry	Franklin	934
Burns, A., T. & S. F. Ry	Marion	1,498
Burr Oak, M. P. R. R.	Jewell	1,664
Burrton, St. L.-S. F. Ry	Harvey	1,455
Bushong, M. P. R. R.	Lyon	1,382
Bushton, M. P. R. R.	Rice	1,772
Buxton, A., T. & S. F. Ry	Wilson	977
Cairo, A., T. & S. F. Ry	Pratt	1,731
Caldwell, C., R. I. & P. Ry	Sumner	1,116
Calista, A., T. & S. F. Ry	Kingman	1,607
Calvert, C., R. I. & P. Ry	Norton	2,202
Cambridge, A., T. & S. F. Ry	Cowley	1,245
Cameron City, M. P. R. R.	Cowley	1,090
Campus, U. P. R. R.	Gove	2,988
Caney, M. P. R. R.	Montgomery	740
Canton, A., T. & S. F. Ry	McPherson	1,593
Carbondale, A., T. & S. F. Ry	Osage	1,090
Carlton, M. P. R. R.	Dickinson	1,330
Carlyle, A., T. & S. F. Ry	Allen	990
Carmean, M.-K.-T. R. R.	Coffey	987
Carneiro, U. P. R. R.	Ellsworth	1,551
Carona, M. P. R. R.	Cherokee	920
Carvel, A., T. & S. F. Ry	Kingman	1,632
Castleton, A., T. & S. F. Ry	Reno	1,469
Cawker City, M. P. R. R.	Mitchell	1,478
Cedar, M. P. R. R.	Smith	1,630
Cedar Bluffs, C., B. & Q. R. R.	Decatur	2,551
Cedar Point, A., T. & S. F. Ry	Chase	1,247
Cedar Vale, M. P. R. R.	Chautauqua	909
Celia, C., R. I. & P. Ry	Wabaunsee	1,226
Centerville, M.-K.-T. R. R.	Linn	885
Centralia, M. P. R. R.	Nemaha	1,256
Chanute, A., T. & S. F. Ry	Neosho	943
Chapman, U. P. R. R.	Dickinson	1,114
Charleston, A., T. & S. F. Ry	Gray	2,706
Chase, A., T. & S. F. Ry	Rice	1,718
Chautauqua, A., T. & S. F. Ry	Chautauqua	934
Cheney, A., T. & S. F. Ry	Sedgwick	1,390
Cherokee, St. L.-S. F. Ry	Crawford	924
Cherokee Junction, M.-K.-T. R. R.	Labette	838
Cherryvale, A., T. & S. F. Ry	Montgomery	837
Chetopa, M.-K.-T. R. R.	Labette	824
Chicopee, M. P. R. R.	Crawford	920
Chiles, M. P. R. R.	Miami	1,099
Choteau, A., T. & S. F. Ry	Johnson	768
Cicero, A., T. & S. F. Ry	Sumner	1,293
Cimarron, A., T. & S. F. Ry	Gray	2,618
Circleville, U. P. R. R.	Jackson	1,102
Clafin, M. P. R. R.	Barton	1,806
Clare, A., T. & S. F. R. R.	Johnson	1,022
Clarendon, A., T. & S. F. Ry	Barton	1,752
Clarksburg, St. L.-S. F. Ry	Bourbon	900
Clay Center, U. P. R. R.	Clay	1,198
Clayton, C., R. I. & P. Ry	Norton	2,423
Clearwater, M. P. R. R.	Sedgwick	1,269
Cleburne, U. P. R. R.	Riley	1,081
Clements, A., T. & S. F. Ry	Chase	1,229
Clifton, U. P. R. R.	Washington	1,265
Climax, A., T. & S. F. Ry	Greenwood	1,029
Clonmell, A., T. & S. F. Ry	Sedgwick	1,366
Clyde, U. P. R. R.	Cloud	1,297
Coalvale, St. L.-S. F. Ry	Crawford	826

Location	County	Elevation
Coats, A., T. & S. F. Ry	Pratt	1,962
Codell, U. P. R. R.	Rooks	1,982
Coffeyville, M. P. R. R.	Montgomery	747
Cokedale, M.-K.-T. R. R.	Cherokee	892
Colby, U. P. R. R.	Thomas	3,141
Coldwater, A., T. & S. F. Ry	Comanche	2,089
Colfax, M. P. R. R.	Chautauqua	868
Collyer, U. P. R. R.	Trego	2,579
Colony, A., T. & S. F. Ry	Anderson	1,124
Columbus, M.-K.-T. R. R.	Cherokee	893
Colwich, M. P. R. R.	Sedgwick	1,384
Comiskey, M. P. R. R.	Lyon	1,244
Concordia, M. P. R. R.	Cloud	1,366
Condon, M.-K.-T. R. R.	Labette	842
Conner, St. L.-S. F. Ry	Montgomery	760
Conway, A., T. & S. F. Ry	McPherson	1,537
Conway Springs, M. P. R. R.	Sumner	1,350
Coolidge, A., T. & S. F. Ry	Hamilton	3,355
Corbin, C., R. I. & P. Ry	Sumner	1,156
Corlett, M. P. R. R.	Cowley	1,048
Corliss, A., T. & S. F. Ry	Johnson	783
Cornell, M. P. R. R.	Crawford	947
Corning, M. P. R. R.	Nemaha	1,358
Coronado, M. P. R. R.	Wichita	3,277
Corral, U. P. R. R.	Leavenworth	784
Corwin, M. P. R. R.	Harper	1,274
Costello, M. P. R. R.	Montgomery	886
Cottonwood Falls, A., T. & S. F. Ry	Chase	1,194
Council Grove, M.-K.-T. R. R.	Morris	1,232
Courtland, A., T. & S. F. Ry	Republic	1,504
Cowley, M. P. R. R.	Phillips	1,754
Coyville, A., T. & S. F. Ry	Wilson	888
Craig, A., T. & S. F. Ry	Johnson	845
Crane, A., T. & S. F. Ry	Montgomery	780
Crawford, M. P. R. R.	Rice	1,695
Crestline, St. L.-S. F. Ry	Cherokee	869
Crisfield, A., T. & S. F. Ry	Harper	1,342
Crystalsprings, A., T. & S. F. Ry	Harper	1,434
Cuba, C., B. & Q. R. R.	Republic	1,578
Cullison, C., R. I. & P. Ry	Pratt	2,038
Culver, U. P. R. R.	Ottawa	1,267
Cummings, A., T. & S. F. Ry	Atchison	983
Dalbey, M. P. R. R.	Atchison	783
Dale, A., T. & S. F. Ry	Cowley	864
Dalton, A., T. & S. F. Ry	Sumner	1,201
Damar, U. P. R. R.	Rooks	2,113
Dana, St. L.-S. F. Ry	Miami	864
Danville, A., T. & S. F. Ry	Harper	1,341
Darlow, A., T. & S. F. Ry	Reno	1,558
Dartmouth, A., T. & S. F. Ry	Barton	1,811
Day, M. P. R. R.	Washington	1,316
Dearing, M. P. R. R.	Montgomery	758
Deavers, A., T. & S. F. Ry	Osage	956
Deerfield, A., T. & S. F. Ry	Kearney	2,936
De Graff, A., T. & S. F. Ry	Butler	1,390
Delavan, M. P. R. R.	Morris	1,502
Delia, U. P. R. R.	Jackson	973
Dellvale, C., R. I. & P. Ry	Norton	2,341
Delphos, U. P. R. R.	Ottawa	1,300
Dennis, St. L.-S. F. Ry	Labette	919
Densmore, M. P. R. R.	Norton	2,064
Denton, C., R. I. & P. Ry	Doniphan	1,073
De Soto, A., T. & S. F. Ry	Johnson	795

Location	County	Elevation
Detroit, U. P. R. R.	Dickinson	1, 136
Devon, M. P. R. R.	Bourbon	852
Dexter, M. P. R. R.	Cowley	900
Diamond Springs, A., T. & S. F. Ry.	Morris	1, 344
Dighton, A., T. & S. F. Ry.	Lane	2, 754
Dillwyn, A., T. & S. F. Ry.	Stafford	1, 984
Dodge City, A., T. & S. F. Ry.	Ford	2, 480
Doniphan, C., B. & Q. R. R.	Doniphan	897
Dorrance, U. P. R. R.	Russell	1, 730
Double, U. P. R. R.	Doniphan	1, 123
Douglass, A., T. & S. F. Ry.	Butler	1, 204
Downing, M.-K.-T. R. R.	Morris	1, 313
Downs, M. P. R. R.	Osborne	1, 484
Drake, U. P. R. R.	Jackson	973
Dresden, C., R. I. & P. Ry.	Decatur	2, 736
Drew, M. P. R. R.	Osage	1, 089
Drury, A., T. & S. F. Ry.	Sumner	1, 093
Drywood, M. P. R. R.	Crawford	859
Dudley, M.-K.-T. R. R.	Neosho	929
Dundee, A., T. & S. F. Ry.	Barton	1, 897
Dunlap, M.-K.-T. R. R.	Morris	1, 180
Duquoin, A., T. & S. F. Ry.	Harper	1, 583
Durand, M. P. R. R.	Woodson	1, 002
Durham, C., R. I. & P. Ry.	Marion	1, 376
Dwight, C., R. I. & P. Ry.	Morris	1, 499
Earlton, A., T. & S. F. Ry.	Neosho	963
Easton, U. P. R. R.	Leavenworth	906
Eaton, M. P. R. R.	Cowley	1, 035
Edgerton, A., T. & S. F. Ry.	Johnson	966
Edna, M. P. R. R.	Labette	979
Edson, C., R. I. & P. Ry.	Sherman	3, 578
Edward, St. L.-S. F. Ry.	Bourbon	934
Edwardsville, U. P. R. R.	Wyandotte	780
Effingham, M. P. R. R.	Atchison	1, 132
Elbing, C., R. I. & P. Ry.	Butler	1, 436
Eldorado, A., T. & S. F. Ry.	Butler	1, 292
Elgin, A., T. & S. F. Ry.	Chautauqua	788
Elk City, A., T. & S. F. Ry.	Montgomery	825
Elk Falls, A., T. & S. F. Ry.	Elk	930
Ellinor, A., T. & S. F. Ry.	Chase	1, 152
Ellinwood, A., T. & S. F. Ry.	Barton	1, 788
Ellis, U. P. R. R.	Ellis	2, 120
Ellsworth, U. P. R. R.	Ellsworth	1, 538
Elm, M. P. R. R.	Labette	900
Elmdale, A., T. & S. F. Ry.	Chase	1, 202
Elmer, M. P. R. R.	Reno	1, 538
Elmo, M. P. R. R.	Dickinson	1, 352
Elmont, C., R. I. & P. Ry.	Shawnee	945
Elsmore, M.-K.-T. R. R.	Allen	1, 055
Elwood, C., R. I. & P. Ry.	Doniphan	816
Elyria, M. P. R. R.	McPherson	1, 485
Emmett, U. P. R. R.	Pottawatomie	1, 024
Emmons, C., B. & Q. R. R.	Washington	1, 283
Empire, St. L.-S. F. Ry.	Cherokee	881
Empire Junction, St. L.-S. F. Ry.	Cherokee	865
Emporia, A., T. & S. F. Ry.	Lyon	1, 140
Emporia Junction, A., T. & S. F. Ry.	Lyon	1, 138
Englevale, M. P. R. R.	Crawford	963
Englewood, A., T. & S. F. Ry.	Clark	1, 961
Enterprise, A., T. & S. F. Ry.	Dickinson	1, 140
Erie, A., T. & S. F. Ry.	Neosho	902
Esbon, C., R. I. & P. Ry.	Jewell	1, 832
Esbridge, A., T. & S. F. Ry.	Wabaunsee	1, 405

Location	County	Elevation
Esmond, M.-K.-T. R. R.	Bourbon	2, 121
Eudora, A., T. & S. F. Ry	Douglas	814
Eureka, A., T. & S. F. Ry	Greenwood	1, 084
Eureka Lake, U. P. R. R.	Riley	1, 033
Everest, M. P. R. R.	Brown	1, 130
Ewell, M. P. R. R.	Sumner	1, 342
Fairmount, U. P. R. R.	Leavenworth	948
Fairview, C., R. I. & P. Ry	Brown	1, 214
Fall Leaf, U. P. R. R.	Leavenworth	812
Fall River, St. L.-S. F. Ry	Greenwood	930
Falls, A., T. & S. F. Ry	Sumner	1, 109
Falun, M. P. R. R.	Saline	1, 344
Fanning, C., B. & Q. R. R.	Doniphan	908
Farlington, St. L.-S. F. Ry	Crawford	981
Farmington, M. P. R. R.	Atchison	1, 026
Faulkner, M. P. R. R.	Cherokee	826
Ferguson, A., T. & S. F. Ry	Sedgwick	1, 316
Fernie, A., T. & S. F. Ry	Reno	1, 551
Filler, St. L.-S. F. Ry	Crawford	984
Findlay, M.-K.-T. R. R.	Linn	952
Flat Rock, M. P. R. R.	Shawnee	918
Fleming, M.-K.-T. R. R.	Cherokee	865
Floral, St. L.-S. F. Ry	Cowley	1, 228
Florena, U. P. R. R.	Marshall	1, 094
Florence, A., T. & S. F. Ry	Marion	1, 271
Fontana, St. L.-S. F. Ry	Miami	926
Ford, C., R. I. & P. Ry	Ford	2, 408
Forest Lake, U. P. R. R.	Wyandotte	782
Formoso, C., R. I. & P. Ry	Jewell	1, 515
Fort Leavenworth, M. P. R. R.	Leavenworth	791
Fort Riley, U. P. R. R.	Geary	1, 065
Fort Scott, M.-K.-T. R. R.	Bourbon	798
Fostoria, U. P. R. R.	Pottawatomie	1, 461
Fowler, C., R. I. & P. Ry	Meade	2, 480
Frankfort, M. P. R. R.	Marshall	1, 142
Frederick, M. P. R. R.	Rice	1, 764
Fredonia, M. P. R. R.	Wilson	868
Freemont, M. P. R. R.	McPherson	1, 380
Freeport, M. P. R. R.	Harper	1, 330
Friend, A., T. & S. F. Ry	Finney	2, 912
Frisbie, A., T. & S. F. R.	Johnson	786
Frontenac, K. C. S. Ry	Crawford	952
Fruitland, U. P. R. R.	Leavenworth	798
Fuller, K. C. S. Ry	Crawford	915
Fulton, St. L.-S. F. Ry	Bourbon	814
Furley, C., R. I. & P. Ry	Sedgwick	1, 409
Galena, St. L.-S. F. Ry	Cherokee	876
Galesburg, M.-K.-T. R. R.	Neosho	972
Galt, A., T. & S. F. Ry	Rice	1, 636
Galva, A., T. & S. F. Ry	McPherson	1, 547
Garden Plain, A., T. & S. F. Ry	Sedgwick	1, 450
Gardner, A., T. & S. F. Ry	Johnson	1, 065
Garfield, A., T. & S. F. Ry	Pawnee	2, 069
Garland, St. L.-S. F. Ry	Bourbon	850
Garnett, A., T. & S. F. Ry	Anderson	1, 047
Garrison Crossing, U. P. R. R.	Riley	1, 058
Gas, M.-K.-T. R. R.	Allen	1, 020
Gatesville, U. P. R. R.	Clay	1, 155
Gaylord, M. P. R. R.	Smith	1, 596
Gem, C., R. I. & P. Ry	Thomas	3, 098
Geneseo, M. P. R. R.	Rice	1, 753
Geneva, A., T. & S. F. Ry	Allen	1, 012
Geuda Springs, A., T. & S. F. Ry	Sumner	1, 153

Location	County	Elevation
Gilbert, M. P. R. R.	Mitchell	1, 430
Girard, St. L.-S. F. R. R.	Crawford	980
Glade, M. P. R. R.	Phillips	1, 794
Gladstone, A., T. & S. F. Ry.	Chase	1, 171
Glasco, U. P. R. R.	Cloud	1, 320
Glen Elder, M. P. R. R.	Mitchell	1, 424
Glendale, A., T. & S. F. Ry.	Saline	855
Glenloch, M. P. R. R.	Anderson	975
Goddard, A., T. & S. F. Ry.	Sedgwick	1, 470
Godfrey, St. L.-S. F. Ry.	Bourbon	954
Goff, M. P. R. R.	Nemaha	1, 201
Goodland, C., R. I. & P. Ry.	Sherman	3, 698
Goodrich, M.-K.-T. R. R.	Linn	894
Gorham, U. P. R. R.	Russell	1, 946
Grainfield, U. P. R. R.	Gove	2, 814
Grand Summit, A., T. & S. F. Ry.	Cowley	1, 438
Grantville, U. P. R. R.	Jefferson	877
Gray, A., T. & S. F. Ry.	Hodgeman	2, 123
Great Bend, A., T. & S. F. Ry.	Barton	1, 843
Green, U. P. R. R.	Clay	1, 392
Greenleaf, M. P. R. R.	Washington	1, 414
Greensburg, C., R. I. & P. Ry.	Kiowa	2, 230
Greenwich, M. P. R. R.	Sedgwick	1, 398
Grenola, A., T. & S. F. Ry.	Elk	1, 109
Gretna, C., R. I. & P. Ry.	Phillips	1, 864
Gridley, A., T. & S. F. Ry.	Coffey	1, 131
Grinnell, U. P. R. R.	Gove	2, 909
Grove, U. P. R. R.	Shawnee	940
Groveland, C., R. I. & P. Ry.	McPherson	1, 485
Grover, A., T. & S. F. Ry.	Douglas	856
Gypsum, M. P. R. R.	Saline	1, 232
Haddam, C., B. & Q. R. R.	Washington	1, 389
Halcyon, M. P. R. R.	Wichita	3, 182
Hale, M. P. R. R.	Chautauqua	973
Half Mound, U. P. R. R.	Jefferson	938
Halford, U. P. R. R.	Thomas	3, 082
Hallowell, St. L.-S. F. Ry.	Cherokee	847
Halls Summit, A., T. & S. F. Ry.	Coffey	1, 210
Hallville, M. P. R. R.	Saline	1, 395
Halstead, A., T. & S. F. Ry.	Harvey	1, 388
Hamburg, A., T. & S. F. Ry.	Pawnee	2, 029
Hamlin, U. P. R. R.	Brown	983
Hammond, St. L.-S. F. Ry.	Bourbon	874
Hamner, A., T. & S. F. Ry.	Kingman	1, 348
Hampson, A., T. & S. F. Ry.	Marion	1, 368
Hannum, A., T. & S. F. Ry.	Cloud	1, 370
Hanover, C., B. & Q. R. R.	Washington	1, 234
Harding, M. P. R. R.	Bourbon	858
Hargrave, M. P. R. R.	Rush	2, 181
Harlan, M. P. R. R.	Smith	1, 580
Harper, A., T. & S. F. Ry.	Harper	1, 417
Harris, M. P. R. R.	Anderson	1, 000
Hartford, M.-K.-T. R. R.	Lyon	1, 082
Harveyville, A., T. & S. F. Ry.	Wabaunsee	1, 106
Havana, A., T. & S. F. Ry.	Montgomery	762
Haven, M. P. R. R.	Reno	1, 480
Havensville, U. P. R. R.	Pottawatomie	1, 168
Haverhill, St. L.-S. F. Ry.	Butler	1, 324
Haviland, C., R. I. & P. Ry.	Kiowa	2, 155
Haworth, C., B. & Q. R. R.	Republic	1, 440
Hawthorne, A., T. & S. F. Ry.	Atchison	962
Hays, U. P. R. R.	Ellis	2, 000
Haysville, C., R. I. & P. Ry.	Sedgwick	1, 268

Location	County	Elevation
Hazelton, A., T. & S. F. Ry	Barber	1,364
Healy, M. P. R. R.	Lane	2,858
Heizer, A., T. & S. F. Ry	Barton	1,881
Helmick, M. P. R. R.	Morris	1,366
Henson, St. L.-S. F. Ry	Miami	865
Hepler, M.-K.-T. R. R.	Crawford	999
Herington, C., R. I. & P. Ry	Dickinson	1,326
Herkimer, U. P. R. R.	Marshall	1,237
Herndon, C., B. & Q. R. R.	Rawlins	2,663
Hertha, M.-K.-T. R. R.	Neosho	941
Hesston, M. P. R. R.	Harvey	1,483
Hewins, A., T. & S. F. Ry	Chautauqua	882
Hiattville, M.-K.-T. R. R.	Bourbon	999
Hiawatha, U. P. R. R.	Brown	1,094
Hill City, U. P. R. R.	Graham	2,134
Hillsboro, A., T. & S. F. Ry	Marion	1,434
Hillsdale, St. L.-S. F. Ry	Miami	906
Hilltop, A., T. & S. F. Ry	Greenwood	1,019
Hilton, U. P. R. R.	McPherson	1,521
Hinton, M. P. R. R.	Harper	1,313
Hoag, St. L.-S. F. Ry	Cherokee	824
Hog Back, U. P. R. R.	Ellis	2,079
Hoge, U. P. R. R.	Leavenworth	857
Hoisington, M. P. R. R.	Barton	1,829
Hollenberg, U. P. R. R.	Washington	1,256
Holliday, A., T. & S. F. Ry	Johnson	761
Hollis, U. P. R. R.	Cloud	1,329
Holton, C., R. I. & P. Ry	Jackson	1,042
Holyrood, A., T. & S. F. Ry	Ellsworth	1,805
Home, U. P. R. R.	Marshall	1,338
Homer, U. P. R. R.	Russell	1,870
Homewood, A., T. & S. F. Ry	Franklin	1,039
Hooser, M. P. R. R.	Cowley	1,367
Hope, M. P. R. R.	Dickinson	1,382
Hopkins, M. P. R. R.	Butler	1,430
Horace, M. P. R. R.	Greeley	3,644
Horners, A., T. & S. F. Ry	Marion	1,336
Horton, C., R. I. & P. Ry	Brown	1,014
Howard, A., T. & S. F. Ry	Elk	1,017
Howell, A., T. & S. F. Ry	Ford	2,539
Hoxie, U. P. R. R.	Sheridan	2,654
Hoyt, C., R. I. & P. Ry	Jackson	1,165
Hudson, M. P. R. R.	Stafford	1,862
Hull, U. P. R. R.	Marshall	1,176
Humboldt, A., T. & S. F. Ry	Allen	961
Hund, U. P. R. R.	Leavenworth	833
Hunter, A., T. & S. F. Ry	Mitchell	1,339
Huron, M. P. R. R.	Atchison	1,141
Huscher, A., T. & S. F. Ry	Cloud	1,465
Hutchinson, A., T. & S. F. Ry	Reno	1,531
Hymer, A., T. & S. F. Ry	Chase	1,263
Idana, U. P. R. R.	Clay	1,255
Idenbro, M.-K.-T. R. R.	Labette	891
Imes, M. P. R. R.	Franklin	878
Independence, A., T. & S. F. Ry	Montgomery	773
Ingalls, A., T. & S. F. Ry	Gray	2,674
Inman, C., R. I. & P. Ry	McPherson	1,522
Iola, A., T. & S. F. Ry	Allen	957
Iowa Point, C., B. & Q. R. R.	Doniphan	826
Irving, U. P. R. R.	Marshall	1,105
Isabel, A., T. & S. F. Ry	Barber	1,847
Jaggard, A., T. & S. F. Ry	Leavenworth	810
Jamestown, M. P. R. R.	Cloud	1,420

Location	County	Elevation
Jennings, C., R. I. & P. Ry	Decatur	2, 496
Jetmore, A., T. & S. F. Ry	Hodgeman	2, 261
Jewell, M. P. R. R.	Jewell	1, 564
Johnstown, U. P. R. R.	McPherson	1, 393
Junction City, U. P. R. R.	Geary	1, 079
Kackley, A., T. & S. F. Ry	Republic	1, 513
Kanona, C., B. & Q. R. R.	Decatur	2, 732
Kanopolis, U. P. R. R.	Ellsworth	1, 585
Kanorado, C., R. I. & P. Ry	Sherman	3, 911
Kansas City, M. P. R. R.	Wyandotte	748
Kansas Falls, U. P. R. R.	Geary	1, 100
Keats, C., R. I. & P. Ry	Riley	1, 124
Kechi, C., R. I. & P. Ry	Sedgwick	1, 368
Keighley, St. L.-S. F. Ry	Butler	1, 526
Kellogg, A., T. & S. F. Ry	Cowley	1, 171
Kenneth, M. P. R. R.	Johnson	874
Kensington, C., R. I. & P. Ry	Smith	1, 773
Kickapoo, M. P. R. R.	Leavenworth	802
Kilmer, A., T. & S. F. Ry	Shawnee	937
Kimbal, M.-K.-T. R. R.	Neosho	1, 050
Kincaid, M.-K.-T. R. R.	Anderson	1, 048
Kingman, A., T. & S. F. Ry	Kingman	1, 506
Kings, M. P. R. R.	Labette	730
Kingsdown, C., R. I. & P. Ry	Ford	2, 515
Kingsville, U. P. R. R.	Shawnee	917
Kinsley, A., T. & S. F. Ry	Edwards	2, 164
Kiowa, M. P. R. R.	Barber	1, 320
Kiro, U. P. R. R.	Shawnee	903
Kirwin, M. P. R. R.	Phillips	1, 696
Kismet, C., R. I. & P. Ry	Seward	2, 774
Kniveton, K. C. S. Ry	Cherokee	916
Knox, U. P. R. R.	Leavenworth	887
Koch, M.-K.-T. R. R.	Miami	956
Kramer, St. L.-S. F. Ry	Crawford	926
Labette, M.-K.-T. R. R.	Labette	863
Lackmans, St. L.-S. F. Ry	Johnson	1, 056
La Crosse, M. P. R. R.	Rush	2, 061
La Cygne, St. L.-S. F. Ry	Linn	828
Ladore, M.-K.-T. R. R.	Neosho	902
Lafontaine, M. P. R. R.	Wilson	918
La Harpe, M. P. R. R.	Allen	1, 038
Laird, A., T. & S. F. Ry	Ness	2, 406
Lakeview, A., T. & S. F. Ry	Douglas	831
Lakin, A., T. & S. F. Ry	Kearney	2, 991
Lancaster, M. P. R. R.	Atchison	1, 126
Laneville, St. L.-S. F. Ry	Labette	838
Lang, A., T. & S. F. Ry	Lyon	1, 199
Langdon, C., R. I. & P. Ry	Reno	1, 692
Langley, M. P. R. R.	Ellsworth	1, 521
Lansing, A., T. & S. F. Ry	Leavenworth	817
Larned, A., T. & S. F. Ry	Pawnee	1, 995
Lashmet, A., T. & S. F. Ry	Kingman	1, 514
Lasita, U. P. R. R.	Riley	1, 423
Latham, St. L.-S. F. Ry	Butler	1, 463
Latimer, C., R. I. & P. Ry	Morris	1, 410
Lawrence, A., T. & S. F. Ry	Douglas	824
Lawrenceburg, U. P. R. R.	Cloud	1, 326
Lazarus, St. L.-S. F. Ry	Wilson	835
Leavenworth, union station	Leavenworth	765
Leavenworth Junction, U. P. R. R.	Leavenworth	763
Lebanon, C., R. I. & P. Ry	Smith	1, 818
Lebo, A., T. & S. F. Ry	Coffey	1, 155
Lecompton, A., T. & S. F. Ry	Douglas	849

Location	County	Elevation
Lee, U. P. R. R.	Jefferson	1, 041
Lehigh, A., T. & S. F. Ry	Marion	1, 530
Le Loup, A., T. & S. F. Ry	Franklin	951
Lenape, U. P. R. R.	Leavenworth	788
Lenexa, St. L.-S. F. Ry	Johnson	1, 052
Lenora, M. P. R. R.	Norton	2, 261
Lento, M. P. R. R.	Miami	966
Leon, St. L.-S. F. Ry	Butler	1, 335
Leona, U. P. R. R.	Doniphan	920
Leonardville, U. P. R. R.	Riley	1, 378
Leoti, M. P. R. R.	Wichita	3, 302
Levant, C., R. I. & P. Ry	Thomas	3, 316
Lewis, A., T. & S. F. Ry	Edwards	2, 142
Liberal, C., R. I. & P. Ry	Seward	2, 839
Lincoln Center, U. P. R. R.	Lincoln	1, 376
Lincolnvile, C., R. I. & P. Ry	Marion	1, 427
Lindsborg, U. P. R. R.	McPherson	1, 332
Lindsey, U. P. R. R.	Ottawa	1, 243
Linn, M. P. R. R.	Washington	1, 460
Linton, St. L.-S. F. Ry	Linn	903
Linwood, U. P. R. R.	Leavenworth	798
Lisbon, U. P. R. R.	Logan	3, 118
Little River, A., T. & S. F. Ry	Rice	1, 582
Logan, M. P. R. R.	Phillips	1, 954
Lomax, M. P. R. R.	Osage	935
Lone Oak, St. L.-S. F. Ry	Crawford	947
Long Island, C., B. & Q. R. R.	Phillips	2, 076
Longford, A., T. & S. F. Ry	Clay	1, 336
Longton, A., T. & S. F. Ry	Elk	918
Lorena, St. L.-S. F. Ry	Butler	1, 340
Loring, U. P. R. R.	Wyandotte	788
Lorraine, St. L.-S. F. Ry	Ellsworth	1, 782
Lost Springs, A., T. & S. F. Ry	Marion	1, 479
Louisburg, M.-K.-T. R. R.	Miami	1, 030
Lovewell, A., T. & S. F. Ry	Jewell	1, 546
Lowe, M. P. R. R.	Chautauqua	1, 039
Lowemont, A., T. & S. F. Ry	Leavenworth	1, 097
Lucas, U. P. R. R.	Russell	1, 494
Ludell, C., B. & Q. R. R.	Rawlins	2, 772
Luray, U. P. R. R.	Russell	1, 578
Lyndon, M. P. R. R.	Osage	1, 122
Lyons, A., T. & S. F. Ry	Rice	1, 702
McAllaster, U. P. R. R.	Logan	3, 158
McCracken, M. P. R. R.	Rush	2, 143
McCrea, C., R. I. & P. Ry	Harper	1, 369
McCune, St. L.-S. F. Ry	Crawford	914
McDonald, C., B. & Q. R. R.	Rawlins	3, 371
McFarland, C., R. I. & P. Ry	Wabaunsee	1, 020
McGraw, A., T. & S. F. Ry	Harvey	1, 407
McLains, M. P. R. R.	Harvey	1, 497
McPherson, U. P. R. R.	McPherson	1, 495
Mackie, St. L.-S. F. Ry	Cherokee	917
Macksville, A., T. & S. F. Ry	Stafford	2, 025
Madaline, M. P. R. R.	Osage	1, 119
Madison, A., T. & S. F. Ry	Greenwood	1, 078
Madison Junction, A., T. & S. F. Ry	Greenwood	1, 092
Mahaska, C., R. I. & P. Ry	Washington	1, 608
Maize, M. P. R. R.	Sedgwick	1, 352
Manchester, A., T. & S. F. Ry	Dickinson	1, 294
Manhattan, U. P. R. R.	Riley	1, 013
Mankato, M. P. R. R.	Jewell	1, 724
Manning, M. P. R. R.	Scott	2, 922
Manvil, U. P. R. R.	Brown	997

Location	County	Elevation
Mansfield, A., T. & S. F. Ry	Finney	2, 787
Maplehill, C., R. I. & P. Ry	Wabaunsee	957
Mapleton, M. P. R. R.	Bourbon	886
Mariadahl, U. P. R. R.	Riley	1, 098
Marietta, U. P. R. R.	Marshall	1, 179
Marion, A., T. & S. F. Ry	Marion	1, 309
Marmaton, M. P. R. R.	Bourbon	853
Marquette, M. P. R. R.	McPherson	1, 395
Martha, M. P. R. R.	Rush	2, 152
Marydel, U. P. R. R.	Saline	1, 264
Marysville, U. P. R. R.	Marshall	1, 158
Matfield Green, A., T. & S. F. Ry	Chase	1, 307
Mayetta, C., R. I. & P. Ry	Jackson	1, 186
Mayfield, A., T. & S. F. Ry	Sumner	1, 278
Mayline, A., T. & S. F. Ry	Hamilton	3, 180
Meade, C., R. I. & P. Ry	Meade	2, 502
Medicine Lodge, A., T. & S. F. Ry	Barber	1, 468
Medina, U. P. R. R.	Jefferson	853
Medora, St. L.-S. F. Ry	Reno	1, 484
Medway, A., T. & S. F. Ry	Hamilton	3, 289
Melvern, A., T. & S. F. Ry	Osage	994
Menlo, U. P. R. R.	Thomas	2, 945
Menoken, U. P. R. R.	Shawnee	898
Mentor, U. P. R. R.	Saline	1, 268
Meriden, A., T. & S. F. Ry	Jefferson	965
Meriden Junction, A., T. & S. F. Ry	Jefferson	947
Merriam, St. L.-S. F. Ry	Johnson	917
Michigan, M. P. R. R.	Osage	1, 085
Midland, U. P. R. R.	Douglas	838
Milan, A., T. & S. F. Ry	Sumner	1, 214
Mildred, M.-K.-T. R. R.	Allen	1, 063
Milford, U. P. R. R.	Geary	1, 113
Miller, M. P. R. R.	Lyon	1, 114
Millerton, M. P. R. R.	Sumner	1, 338
Milo, A., T. & S. F. Ry	Lincoln	1, 299
Milton, M. P. R. R.	Sumner	1, 440
Miltonvale, A., T. & S. F. Ry	Cloud	1, 378
Mingo, U. P. R. R.	Thomas	3, 108
Minneapolis, A., T. & S. F. Ry	Ottawa	1, 254
Minneha, St. L.-S. F. Ry	Sedgwick	1, 385
Mineola, C., R. I. & P. Ry	Clark	2, 553
Miocene, A., T. & S. F. Ry	Leavenworth	815
Mitchell, A., T. & S. F. Ry	Rice	1, 741
Modoc, M. P. R. R.	Scott	3, 139
Moline, A., T. & S. F. Ry	Elk	1, 047
Monett, M. P. R. R.	Chautauqua	813
Monmouth, St. L.-S. F. Ry	Crawford	872
Monotony, U. P. R. R.	Wallace	3, 780
Monrovia, M. P. R. R.	Atchison	1, 044
Montana, M.-K.-T. R. R.	Labette	849
Montrose, C., R. I. & P. Ry	Jewell	1, 659
Monument, U. P. R. R.	Logan	3, 181
Moody, M.-K.-T. R. R.	Woodson	986
Moore, U. P. R. R.	Leavenworth	917
Moran, M. P. R. R.	Allen	1, 104
Moray, U. P. R. R.	Doniphan	1, 041
Morehead, A., T. & S. F. Ry	Neosho	899
Morganville, U. P. R. R.	Clay	1, 236
Morland, U. P. R. R.	Graham	2, 302
Morrill, U. P. R. R.	Brown	1, 096
Morris, A., T. & S. F. Ry	Wyandotte	765
Morrowville, C., B. & Q. R. R.	Washington	1, 337
Morse, St. L.-S. F. Ry	Johnson	1, 090

Location	County	Elevation
Mortimer, St. L.-S. F. Ry	Labette	895
Mound City, M. P. R. R.	Linn	847
Mound Valley, M.-K.-T. R. R.	Labette	820
Moundridge, M. P. R. R.	McPherson	1,488
Mount Hope, M. P. R. R.	Sedgwick	1,442
Mount Zion, U. P. R. R.	Ellsworth	1,658
Mulberry, St. L.-S. F. Ry	Crawford	906
Mullinville, C., R. I. & P. Ry	Kiowa	2,334
Mulvane, A., T. & S. F. Ry	Sumner	1,223
Muncie, U. P. R. R.	Wyandotte	779
Munden, C., R. I. & P. Ry	Republic	1,630
Murdock, A., T. & S. F. Ry	Kingman	1,474
Muscotah, M. P. R. R.	Atchison	962
Narka, C., R. I. & P. Ry	Republic	1,587
Nashville, A., T. & S. F. Ry	Kingman	1,749
Natoma, U. P. R. R.	Osborne	1,836
Natrona, C., R. I. & P. Ry	Pratt	1,875
Navarre, A., T. & S. F. Ry	Dickinson	1,353
Neal, M. P. R. R.	Greenwood	948
Nearman, M. P. R. R.	Wyandotte	753
Nekoma, A., T. & S. F. Ry	Rush	2,031
Nelson, K. C. S. Ry	Crawford	944
Nemo, M. P. R. R.	Osage	1,079
Neodesha, St. L.-S. F. Ry	Wilson	806
Neola, M. P. R. R.	Stafford	1,796
Neosho Falls, A., T. & S. F. Ry	Woodson	973
Neosho Rapids, A., T. & S. F. Ry	Lyon	1,092
Ness City, A., T. & S. F. Ry	Ness	2,253
Netawaka, M. P. R. R.	Jackson	1,149
Nettleton, A., T. & S. F. Ry	Edwards	2,114
Neutral, St. L.-S. F. Ry	Cherokee	859
Neva, A. T. & S. F. Ry	Chase	1,189
New Albany, St. L.-S. F. Ry	Wilson	893
New Cambria, C., R. I. & P. Ry	Saline	1,201
New Salem, A., T. & S. F. Ry	Cowley	1,238
Newman, U. P. R. R.	Jefferson	863
Newton, A. T. & S. F. Ry	Harvey	1,447
Nichols, A., T. & S. F. Ry	Jefferson	1,003
Nickerson, A., T. & S. F. Ry	Reno	1,593
Niles, U. P. R. R.	Ottawa	1,192
Ninnescah, A., T. & S. F. Ry	Pratt	1,711
Niotaze, M. P. R. R.	Chautauqua	752
Noble, M. P. R. R.	Rice	1,732
Norcatour, C., B. & Q. R. R.	Decatur	2,633
North Wichita, A., T. & S. F. Ry	Sedgwick	1,301
Norton, C., R. I. & P. Ry	Norton	2,275
Nortonville, A., T. & S. F. Ry	Jefferson	1,160
Norway, M. P. R. R.	Republic	1,412
Norwich, A., T. & S. F. Ry	Kingman	1,489
Oak Mills, M. P. R. R.	Atchison	781
Oak Valley, A., T. & S. F. Ry	Elk	861
Oakhill, A., T. & S. F. Ry	Clay	1,261
Oakland, A., T. & S. F. Ry	Shawnee	1,406
Oakley, U. P. R. R.	Logan	3,051
Oakwood, M.-K.-T. R. R.	Linn	997
Oatville, M. P. R. R.	Sedgwick	1,284
Oberlin, C., B. & Q. R. R.	Decatur	2,563
O'Brien, M. P. R. R.	Miami	885
Ocheltree, St. L.-S. F. Ry	Johnson	1,081
Offerle, A., T. & S. F. Ry	Edwards	2,263
Ogallah, U. P. R. R.	Trego	2,377
Ogdensburg, U. P. R. R.	Riley	1,051
O'Herin, M.-K.-T. R. R.	Montgomery	769

Location	County	Elevation
Oketo, U. P. R. R.	Marshall	1, 181
Olathe, A., T. & S. F. Ry	Johnson	1, 026
Olcott, M. P. R. R.	Reno	1, 681
Olds, M.-K.-T. R. R.	Miami	1, 116
Olive, M.-K.-T. R. R.	Labette	854
Olivet, A., T. & S. F. Ry	Osage	1, 136
Olmitz, M. P. R. R.	Barton	2, 012
Olney, A., T. & S. F. Ry	Hodgeman	2, 152
Olpe, A., T. & S. F. Ry	Lyon	1, 197
Olsburg, U. P. R. R.	Pottawatomie	1, 430
Onaga, U. P. R. R.	Pottawatomie	1, 101
Oneida, U. P. R. R.	Nemaha	1, 217
Oneonta, A., T. & S. F. Ry	Cloud	1, 398
Opolis, St. L.-S. F. Ry	Crawford	919
Oronogue, C., B. & Q. R. R.	Norton	2, 330
Osage City, A., T. & S. F. Ry	Osage	1, 084
Osawatomie, M. P. R. R.	Miami	859
Osborne, M. P. R. R.	Osborne	1, 559
Osgood, M. P. R. R.	Ness	2, 461
Osro, M. P. R. R.	Chautauqua	875
Oswego, St. L.-S. F. Ry	Labette	907
Otego, C., R. I. & P. Ry	Jewell	1, 794
Otis, M. P. R. R.	Rush	2, 039
Ottawa, A., T. & S. F. Ry	Franklin	897
Overbrook, M. P. R. R.	Osage	1, 178
Oxford, A., T. & S. F. Ry	Sumner	1, 156
Padonia, M. P. R. R.	Brown	917
Page City, U. P. R. R.	Logan	3, 239
Palco, U. P. R. R.	Rooks	2, 282
Palmer, M. P. R. R.	Washington	1, 326
Paola, M. P. R. R.	Miami	864
Paradise, U. P. R. R.	Russell	1, 699
Parker, M.-K.-T. R. R.	Linn	1, 008
Parkerville, M.-K.-T. R. R.	Morris	1, 341
Parnell, A., T. & S. F. Ry	Atchison	1, 046
Parsons, M.-K.-T. R. R.	Labette	900
Partridge, A., T. & S. F. Ry	Reno	1, 612
Patterson, St. L.-S. F. Ry	Harvey	1, 440
Pauline, A., T. & S. F. Ry	Shawnee	1, 029
Pawnee Rock, A., T. & S. F. Ry	Barton	1, 941
Paxico, C., R. I. & P. Ry	Wabaunsee	991
Paxton, A., T. & S. F. Ry	Harvey	1, 431
Peabody, A., T. & S. F. Ry	Marion	1, 359
Peacock, St. L.-S. F. Ry	Cherokee	841
Peck, C., R. I. & P. Ry	Sedgwick	1, 270
Penalosa, M. P. R. R.	Kingman	1, 721
Pendennis, M. P. R. R.	Lane	2, 728
Penfield, M.-K.-T. R. R.	Labette	818
Penokee, U. P. R. R.	Graham	2, 227
Perry, U. P. R. R.	Jefferson	852
Pershing, St. L.-S. F. Ry	Cherokee	886
Perth, C., R. I. & P. Ry	Sumner	1, 208
Peru, M. P. R. R.	Chautauqua	787
Peterton, A., T. & S. F. Ry	Osage	1, 064
Petrolia, M.-K.-T. R. R.	Allen	925
Phillipsburg, C., R. I. & P. Ry	Phillips	1, 939
Picton, M. P. R. R.	Crawford	867
Piedmont, St. L.-S. F. Ry	Greenwood	1, 201
Pierce Junction, C., R. I. & P. Ry	Brown	1, 166
Pierceville, A., T. & S. F. Ry	Finney	2, 751
Piqua, M.-K.-T. R. R.	Woodson	1, 030
Pittsburg, St. L.-S. F. Ry	Crawford	933
Plains, C., R. I. & P. Ry	Meade	2, 761

Location	County	Elevation
Plainville, U. P. R. R.	Rooks	2, 157
Pleasant Ridge, U. P. R. R.	Leavenworth	1, 050
Pleasanton, St. L.-S. F. Ry	Linn	863
Plevna, A., T. & S. F. Ry	Reno	1, 689
Plymouth, A., T. & S. F. Ry	Lyon	1, 132
Pollard, St. L.-S. F. Ry	Rice	1, 737
Pomeroy, M. P. R. R.	Wyandotte	755
Pomona, M. P. R. R.	Franklin	916
Pontiac, M. P. R. R.	Butler	1, 420
Pope, M. P. R. R.	Leavenworth	762
Portis, M. P. R. R.	Osborne	1, 540
Portland, A., T. & S. F. Ry	Sumner	1, 188
Potter, A., T. & S. F. Ry	Atchison	933
Potwin, M. P. R. R.	Butler	1, 330
Powhattan, C., R. I. & P. Ry	Brown	1, 205
Prairie View, C., R. I. & P. Ry	Phillips	2, 181
Pratt, A., T. & S. F. Ry	Pratt	1, 887
Prescott, St. L.-S. F. Ry	Linn	888
Preston, C., R. I. & P. Ry	Pratt	1, 838
Pretty Prairie, A. T. & S. F. Ry	Reno	1, 574
Price, U. P. R. R.	Nemaha	1, 350
Princeton, A., T. & S. F. Ry	Franklin	969
Protection, A., T. & S. F. Ry	Comanche	1, 845
Purcell, C., R. I. & P. Ry	Doniphan	1, 156
Putnam, A., T. & S. F. Ry	Harvey	1, 400
Quaker, M.-K.-T. R. R.	Cherokee	865
Quenemo, A., T. & S. F. Ry	Osage	941
Quincy, A., T. & S. F. Ry	Greenwood	943
Quindaro, M. P. R. R.	Wyandotte	875
Quinter, U. P. R. R.	Gove	2, 665
Ragle, M. P. R. R.	Rush	2, 139
Rago, A., T. & S. F. Ry	Kingman	1, 449
Ramapo, M. P. R. R.	Wyandotte	751
Ramona, C., R. I. & P. Ry	Marion	1, 435
Ramsey, A., T. & S. F. Ry	Butler	1, 331
Randall, M. P. R. R.	Jewell	1, 450
Randolph, U. P. R. R.	Riley	1, 065
Ransom, M. P. R. R.	Ness	2, 522
Ransomville, A., T. & S. F. Ry	Franklin	1, 138
Rantoul, M. P. R. R.	Franklin	886
Rapp, M. P. R. R.	Osage	1, 124
Ray, M. P. R. R.	Pawnee	1, 974
Raymond, A., T. & S. F. Ry	Rice	1, 725
Reading, A., T. & S. F. Ry	Lyon	1, 083
Redel, M. P. R. R.	Johnson	886
Redfield, M. P. R. R.	Bourbon	854
Redwing, M. P. R. R.	Barton	1, 810
Reece, M. P. R. R.	Greenwood	1, 222
Reno, U. P. R. R.	Leavenworth	849
Republic, M. P. R. R.	Republic	1, 494
Reserve, M. P. R. R.	Brown	885
Rexford, C., R. I. & P. Ry	Thomas	2, 960
Rice, M. P. R. R.	Cloud	1, 338
Richland, M. P. R. R.	Shawnee	908
Richmond, A., T. & S. F. Ry	Franklin	1, 020
Richter, M. P. R. R.	Franklin	923
Riga, U. P. R. R.	Trego	2, 224
Riley, C., R. I. & P. Ry	Riley	1, 274
Riverdale, M. P. R. R.	Sumner	1, 320
Riverton, St. L.-S. F. Ry	Cherokee	818
Robinson, U. P. R. R.	Brown	949
Rock Creek, A., T. & S. F. Ry	Jefferson	1, 059
Rockland, A., T. & S. F. Ry	Chase	1, 231
Rogers, M. P. R. R.	Chautauqua	908

Location	County	Elevation
Roland, A., T. & S. F. Ry	Sumner	1, 254
Rollin, A., T. & S. F. Ry	Neosho	911
Rome, A., T. & S. F. Ry	Sumner	1, 221
Ronald, M.-K.-T. R. R.	Bourbon	913
Roper, M. P. R. R.	Wilson	862
Rosalia, M. P. R. R.	Butler	1, 510
Rose, M. P. R. R.	Woodson	1, 024
Rose Hill, A., T. & S. F. Ry	Butler	1, 329
Rosedale, St. L.-S. F. Ry	Wyandotte	792
Rosemont, M. P. R. R.	Osage	1, 114
Ross, A., T. & S. F. Ry	Lyon	764
Rossville, U. P. R. R.	Shawnee	929
Rozel, A., T. & S. F. Ry	Pawnee	2, 065
Ruella, M. P. R. R.	Harper	1, 318
Ruleton, C., R. I. & P. Ry	Sherman	3, 793
Runnymede, A., T. & S. F. Ry	Harper	1, 377
Rush Center, A., T. & S. F. Ry	Rush	1, 997
Russell, U. P. R. R.	Russell	1, 829
Rydal, C., R. I. & P. Ry	Republic	1, 574
Sabetha, C., R. I. & P. Ry	Nemaha	1, 300
Saffordville, A., T. & S. F. Ry	Chase	1, 149
St. Francis, C., B. & Q. R. R.	Cheyenne	3, 293
St. George, U. P. R. R.	Pottawatomie	994
St. John, A., T. & S. F. Ry	Stafford	1, 908
St. Mary, U. P. R. R.	Pottawatomie	958
St. Paul, M.-K.-T. R. R.	Neosho	884
Salina, C., R. I. & P. Ry	Saline	1, 224
Sallyards, M. P. R. R.	Greenwood	1, 432
Salter, A., T. & S. F. Ry	Butler	1, 253
Sand Spring, U. P. R. R.	Dickinson	1, 173
Savannah, U. P. R. R.	Pottawatomie	1, 108
Savonburg, M.-K.-T. R. R.	Allen	1, 056
Sawyer, M.-K.-T. R. R.	Pratt	1, 913
Saxman, St. L.-S. F. Ry	Rice	1, 633
Scammon, St. L.-S. F. Ry	Cherokee	898
Scandia, C., R. I. & P. Ry	Republic	1, 431
Schroyer, U. P. R. R.	Marshall	1, 138
Schulte, A., T. & S. F. Ry	Sedgwick	1, 321
Scipio, A., T. & S. F. Ry	Anderson	947
Scott City, M. P. R. R.	Scott	2, 970
Scott Junction, St. L.-S. F. Ry	Bourbon	802
Scottsville, M. P. R. R.	Mitchell	1, 562
Scranton, A., T. & S. F. Ry	Osage	1, 117
Sears, A., T. & S. F. Ry	Ford	2, 516
Sedan, M. P. R. R.	Chautauqua	823
Sedgwick, A., T. & S. F. Ry	Harvey	1, 379
Selden, C., R. I. & P. Ry	Sheridan	2, 842
Selkirk, M. P. R. R.	Wichita	3, 444
Selma, M.-K.-T. R. R.	Anderson	1, 073
Seneca, U. P. R. R.	Nemaha	1, 152
Severance, U. P. R. R.	Doniphan	903
Severy, A., T. & S. F. Ry	Greenwood	1, 109
Seward, M. P. R. R.	Stafford	1, 909
Sexton, M. P. R. R.	Wilson	901
Shady Bend, U. P. R. R.	Lincoln	1, 349
Shallow, U. P. R. R.	Scott	2, 951
Shannon, M. P. R. R.	Atchison	1, 089
Sharon, A., T. & S. F. Ry	Barber	1, 449
Sharon Springs, U. P. R. R.	Wallace	3, 441
Sharpe, A., T. & S. F. Ry	Coffey	1, 171
Shaw, A., T. & S. F. Ry	Neosho	911
Sherdahl, M. P. R. R.	Republic	1, 461
Sherman City, M.-K.-T. R. R.	Cherokee	845

Location	County	Elevation
Sherwin, St. L.-S. F. Ry.....	Cherokee.....	859
Shields, M. P. R. R.....	Lane.....	2, 785
Shipton, U. P. R. R.....	Saline.....	1, 245
Silica, A., T. & S. F. Ry.....	Rice.....	1, 789
Silver Lake, U. P. R. R.....	Shawnee.....	914
Silverdale, M. P. R. R.....	Cowley.....	1, 077
Simpson, U. P. R. R.....	Mitchell.....	1, 335
Sitka, A., T. & S. F. Ry.....	Clark.....	1, 878
Six Corners, U. P. R. R.....	Leavenworth.....	879
Skiddy, M.-K.-T. R. R.....	Morris.....	1, 221
Smith Center, C., R. I. & P. Ry.....	Smith.....	1, 805
Smolan, M. P. R. R.....	Saline.....	1, 286
Soldier, U. P. R. R.....	Jackson.....	1, 187
Solomon, U. P. R. R.....	Dickinson.....	1, 174
Solomon Rapids, M. P. R. R.....	Mitchell.....	1, 394
Somena, U. P. R. R.....	Wallace.....	3, 326
Somerset, M.-K.-T. R. R.....	Miami.....	895
South Haven, A. T. & S. F. Ry.....	Sumner.....	1, 123
South Mound, M.-K.-T. R. R.....	Neosho.....	988
Sparks, C., R. I. & P. Ry.....	Doniphan.....	887
Spearville, A., T. & S. F. Ry.....	Ford.....	2, 451
Spence, U. P. R. R.....	Washington.....	1, 221
Spencer, A., T. & S. F. Ry.....	Shawnee.....	864
Spica, U. P. R. R.....	Thomas.....	3, 090
Spivey, A., T. & S. F. Ry.....	Kingman.....	1, 497
Spring Hill, St. L.-S. F. Ry.....	Johnson.....	1, 031
Springvale, A., T. & S. F. Ry.....	Pratt.....	1, 951
Stafford, M. P. R. R.....	Stafford.....	1, 861
Stanley, St. L.-S. F. Ry.....	Johnson.....	976
Star Valley, M.-K.-T. R. R.....	Cherokee.....	837
Stark, M.-K.-T. R. R.....	Neosho.....	1, 040
Sterling, A., T. & S. F. Ry.....	Rice.....	1, 640
Stilwell, M. P. R. R.....	Johnson.....	1, 034
Stockdale, U. P. R. R.....	Riley.....	1, 040
Stockton, M. P. R. R.....	Rooks.....	1, 771
Stout, U. P. R. R.....	Doniphan.....	910
Stover, St. L.-S. F. Ry.....	Labette.....	839
Straight Creek, C., R. I. & P. Ry.....	Jackson.....	992
Strauss, St. L.-S. F. Ry.....	Labette.....	842
Strawn, M.-K.-T. R. R.....	Coffey.....	1, 040
Strong, A., T. & S. F. Ry.....	Chase.....	1, 174
Studley, U. P. R. R.....	Sheridan.....	2, 381
Stuttgart, C., R. I. & P. Ry.....	Phillips.....	2, 009
Sumnerville, U. P. R. R.....	Ottawa.....	1, 287
Swanson, M. P. R. R.....	McPherson.....	1, 350
Swayne, M. P. R. R.....	Dickinson.....	1, 266
Swissvale, M. P. R. R.....	Osage.....	1, 002
Sylvan Grove, U. P. R. R.....	Lincoln.....	1, 448
Sylvan Park, M.-K.-T. R. R.....	Morris.....	1, 325
Sylvia, A., T. & S. F. Ry.....	Reno.....	1, 738
Syracuse, A., T. & S. F. Ry.....	Hamilton.....	3, 232
Talmage, A., T. & S. F. Ry.....	Dickinson.....	1, 213
Talmo, U. P. R. R.....	Republic.....	1, 360
Tampa, C., R. I. & P. Ry.....	Marion.....	1, 428
Tanner, A., T. & S. F. Ry.....	Anderson.....	904
Tasco, U. P. R. R.....	Sheridan.....	2, 496
Taussig, M. P. R. R.....	Cowley.....	1, 042
Tecumseh, A., T. & S. F. Ry.....	Shawnee.....	863
Tennis, A., T. & S. F. Ry.....	Finney.....	2, 896
Terra Cotta, U. P. R. R.....	Ellsworth.....	1, 480
Tescott, U. P. R. R.....	Ottawa.....	1, 299
Tevis, M. P. R. R.....	Shawnee.....	957
Thayer, A., T. & S. F. Ry.....	Neosho.....	1, 047

Location	County	Elevation
Timken, A., T. & S. F. Ry	Rush	1,956
Tisdale, M. P. R. R.	Cowley	1,007
Tolerville, M. P. R. R.	Sedgwick	1,378
Tonganoxie, U. P. R. R.	Leavenworth	854
Tonovay, M. P. R. R.	Greenwood	1,056
Topeka, A., T. & S. F. Ry	Shawnee	881
Toronto, A., T. & S. F. Ry	Woodson	933
Toulon, U. P. R. R.	Ellis	2,004
Towanda, M. P. R. R.	Butler	1,226
Traer, C., B. & Q. R. R.	Decatur	2,596
Trent, A., T. & S. F. Ry	Neosho	962
Trenton, U. P. R. R.	Saline	1,230
Tresham, St. L.-S. F. Ry	Cowley	1,159
Tribune, M. P. R. R.	Greeley	3,622
Trilby, M. P. R. R.	Anderson	1,072
Trousdale, W. N. Ry	Edward	1,457
Troy, U. P. R. R.	Doniphan	1,091
Troy Junction, C., B. & Q. R. R.	Doniphan	1,142
Turck, St. L.-S. F. Ry	Cherokee	925
Turkey Creek, U. P. R. R.	Wallace	3,235
Turner, A., T. & S. F. Ry	Wyandotte	766
Turon, M. P. R. R.	Reno	1,747
Tyro, M. P. R. R.	Montgomery	898
Udall, A., T. & S. F. Ry	Cowley	1,282
Uniontown, M. P. R. R.	Bourbon	890
Upola, A., T. & S. F. Ry	Elk	991
Urbana, M.-K.-T. R. R.	Neosho	925
Utica, M. P. R. R.	Ness	2,620
Valeda, M. P. R. R.	Labette	862
Valencia, C., R. I. & P. Ry	Shawnee	904
Valley Center, St. L.-S. F. Ry	Sedgwick	1,348
Valley Falls, A., T. & S. F. Ry	Jefferson	909
Vance, M.-K.-T. R. R.	Linn	1,062
Varner, A., T. & S. F. Ry	Kingman	1,524
Vassar, M. P. R. R.	Osage	1,099
Vera, C., R. I. & P. Ry	Wabaunsee	977
Verdi, U. P. R. R.	Ottawa	1,202
Vermilion, M. P. R. R.	Marshall	1,184
Vesper, U. P. R. R.	Lincoln	1,400
Victoria, U. P. R. R.	Ellis	1,920
Vilas, A., T. & S. F. Ry	Wilson	982
Vine Creek, A., T. & S. F. Ry	Ottawa	1,331
Vining, U. P. R. R.	Clay	1,275
Vinton, M. P. R. R.	Cowley	1,112
Viola, A., T. & S. F. Ry	Sedgwick	1,340
Virgil, A., T. & S. F. Ry	Greenwood	980
Vliets, M. P. R. R.	Marshall	1,164
Volland, C., R. I. & P. Ry	Wabaunsee	1,180
Wabaunsee, C., R. I. & P. Ry	Wabaunsee	1,044
Waconda Springs, M. P. R. R.	Mitchell	1,429
Wade, M. P. R. R.	Leavenworth	770
Wagner, A., T. & S. F. Ry	Marion	1,318
Wagstaff, M. P. R. R.	Miami	1,091
Wakarusa, A. T. & S. F. Ry	Shawnee	956
Wakeeney, U. P. R. R.	Trego	2,457
Wakefield, U. P. R. R.	Clay	1,143
Waldeck, C., R. I. & P. Ry	Marion	1,558
Waldo, U. P. R. R.	Russell	1,721
Waldron, C., R. I. & P. Ry	Harper	1,250
Walker, U. P. R. R.	Ellis	1,942
Wallace, U. P. R. R.	Wallace	3,311
Walnut, A., T. & S. F. Ry	Crawford	925
Walsburg, U. P. R. R.	Riley	1,349

Location	County	Elevation
Walton, A., T. & S. F. Ry	Harvey	1, 538
Wamego, U. P. R. R.	Pottawatomie	990
Waring, M. P. R. R.	Ness	2, 241
Warwick, M. P. R. R.	Republic	1, 540
Washington, C., B. & Q. R. R.	Washington	1, 337
Waterville, M. P. R. R.	Marshall	1, 166
Wathena, U. P. R. R.	Doniphan	818
Wauneta, M. P. R. R.	Chautauqua	946
Waverly, A., T. & S. F. Ry	Coffey	1, 129
Wayne, C., B. & Q. R. R.	Republic	1, 408
Wayside, A., T. & S. F. Ry	Montgomery	886
Weaver, A., T. & S. F. Ry	Douglas	800
Webber, A., T. & S. F. Ry	Jewell	1, 669
Weir City, St. L.-S. F. Ry	Cherokee	914
Weir Junction, S. L.-S. F. Ry	Crawford	921
Welborn, K. C., L. & W. Ry	Wyandotte	925
Welda, A., T. & S. F. Ry	Anderson	1, 101
Wellington, A., T. & S. F. Ry	Sumner	1, 211
Wells, A., T. & S. F. Ry	Ottawa	1, 372
Wellsford, C., R. I. & P. Ry	Kiowa	2, 120
Wellsville, A., T. & S. F. Ry	Franklin	1, 043
Weskan, U. P. R. R.	Wallace	3, 842
Wetmore, M. P. R. R.	Nemaha	1, 088
Wettick, A., T. & S. F. Ry	Gray	2, 590
Wheaton, U. P. R. R.	Pottawatomie	1, 496
Wheeler, C., B. & Q. R. R.	Cheyenne	3, 486
Wherry, St. L.-S. F. Ry	Rice	1, 606
White, A., T. & S. F. Ry	Butler	1, 246
White City, C., R. I. & P. Ry	Morris	1, 467
White Cloud, C., B. & Q. R. R.	Doniphan	837
White Water, M. P. R. R.	Butler	1, 346
Whitelaw, M. P. R. R.	Greeley	3, 544
Whiteside, C., R. I. & P. Ry	Reno	1, 583
Whiting, M. P. R. R.	Jackson	1, 113
Wichita, M. P. R. R.	Sedgwick	1, 293
Wichita Heights, St. L.-S. F. Ry	Sedgwick	1, 336
Wiggam, A., T. & S. F. Ry	Lyon	1, 086
Wilbur, M. P. R. R.	Greenwood	1, 123
Wilder, A., T. & S. F. Ry	Johnson	775
Willard, C., R. I. & P. Ry	Shawnee	912
Williams, M. P. R. R.	Marshall	1, 104
Williamsburg, A., T. & S. F. Ry	Franklin	1, 144
Williamstown, U. P. R. R.	Jefferson	852
Willis, M. P. R. R.	Brown	1, 132
Wilmore, A., T. & S. F. Ry	Comanche	2, 018
Wilmot, St. L.-S. F. Ry	Cowley	1, 330
Wilroads, C., R. I. & P. Ry	Ford	2, 431
Wilsey, M. P. R. R.	Morris	1, 509
Wilson, U. P. R. R.	Ellsworth	1, 688
Wilsonton, M.-K.-T. R. R.	Labette	918
Winchester, U. P. R. R.	Jefferson	1, 161
Winfield, A., T. & S. F. Ry	Cowley	1, 121
Wingate, St. L.-S. F. Ry	Butler	1, 500
Winona, U. P. R. R.	Logan	3, 323
Wolcott, M. P. R. R.	Wyandotte	757
Woodbine, C., R. I. & P. Ry	Dickinson	1, 255
Woodruff, C., B. & Q. R. R.	Phillips	2, 009
Woodston, M. P. R. R.	Rooks	1, 708
Wreford, M.-K.-T. R. R.	Geary	1, 083
Wright, A., T. & S. F. Ry	Ford	2, 516
Wyckoff, M.-K.-T. R. R.	Lyon	1, 069
Yaggy, M. P. R. R.	Reno	1, 560
Yale, M. P. R. R.	Crawford	969

Location	County	Elevation
Yates Center, M. P. R. R.-----	Woodson-----	1, 099
Yoder, M. P. R. R.-----	Reno-----	1, 540
Yoro, M. P. R. R.-----	Linn-----	1, 078
Yuma, M. P. R. R.-----	Cloud-----	1, 376
Zarah, A., T. & S. F. Ry-----	Johnson-----	796
Zeandale, C., R. I. & P. Ry-----	Riley-----	1, 007
Zenith, A., T. & S. F. Ry-----	Stafford-----	1, 809
Zimmerdale, M. P. R. R.-----	Harvey-----	1, 466
Zurich, U. P. R. R.-----	Rooks-----	2, 212
Zyba, C., R. I. & P. Ry-----	Sumner-----	1, 232

INDEX

A	Page	F	Page
Ackerland.....	59	Fairmount.....	19
Adjustment of leveling net.....	2	Fairview School.....	23-24, 65
Antioch Church.....	9, 47	Fall River.....	33
Arkansas River.....	62	Ferry, A. V., leveling by.....	47
Armourdale quadrangle.....	9-13	Floto.....	63
Atchison.....	61	Fly Creek.....	24
Atkinson, S. K., leveling by.....	43-45, 59, 61	Fourmile Creek.....	65
B		G	
Barber, J. C., leveling by.....	30, 36, 62	Galena.....	28
Basehor.....	17, 18, 19	Galena quadrangle.....	28-29
Baxter Springs.....	23, 28, 64	Gallup, R. F., leveling by.....	13,
Bayard.....	35	17-22, 40-41, 44, 47, 50, 59-61	
Beckley School.....	53	Garden City.....	30
Bellevue School.....	27	Garden City quadrangle.....	30
Benchmarks, classes of.....	2	Gardner.....	40, 58
forms of.....	2-4, pl. 1	Globe School.....	24, 26
how set.....	3-4	Gospel Tabernacle.....	43, 44, 61
preservation and restoration of.....	4	Granada quadrangle.....	30
Big Creek.....	34	Grandview Church. See Vance Church.	
Birdseye, S. H., leveling by.....	31-32	Green Springs School.....	51, 56
Bolton.....	33	Greenwood.....	49-51
Bonita.....	52	Greenwood School.....	13
Bonner Springs.....	15, 16-17	Grinter Chapel.....	14
Bonner Springs quadrangle.....	13-22	H	
Bronson.....	35	Hallowell.....	24
Brush Creek.....	25, 26	Hartland.....	36, 37
Buxton.....	33	Havana.....	33
C		Hazel Dell School.....	40-41
Caney.....	33	Heebink, G. E., leveling by.....	40, 44-45, 59, 61
Capron School.....	25	Hiawatha quadrangle.....	30-31
Carlyle.....	35	High Prairie School.....	43-44
Cedar Creek.....	54	Holcomb.....	30, 36
Center Star School.....	27	Honey Creek.....	32
Central (District 9) School.....	60-61	Hughes, F. W., leveling by.....	64-65
Chanute.....	34, 35	Humboldt.....	35
Cherokee quadrangle.....	22-23	Humboldt quadrangle.....	31-32
Cherry Creek.....	23, 24	Hund.....	40
Chetopa.....	61	I	
Clare.....	53	Independence.....	32
Classification of leveling.....	1	Independence quadrangle.....	32-34
Coffeyville.....	32	Indian Creek.....	47
Columbus.....	27-28	Iola.....	35
Columbus quadrangle.....	23-28	Iola quadrangle.....	34-35
Coolidge.....	30, 64	J	
Corinth School.....	46	Jarbalo.....	59
Corpus Christi Church.....	45	Johnson.....	63
Crossroads School.....	24	Johnson, L. V., leveling by.....	9-17, 35, 45-47, 49-50, 59
Cummings.....	45	Jones, H. P., leveling by.....	41-43
D		K	
Daffer School.....	60	Kansas City.....	9, 10-13, 47
Dallas (Mo.).....	47	Kansas River.....	56
Datum of elevations.....	5	Kendall.....	62
Dearing.....	32	Kill Creek.....	57
Deerfield.....	36	Kimbal.....	34
Delaware triangulation station.....	20	L	
De Soto.....	39, 56	Lackmans.....	51, 55
E		Lafontaine.....	33
Easton.....	44-45	La Harpe.....	34
Eckman triangulation station.....	60	Lakin.....	36
Edgerton.....	40, 58	Lakin quadrangle.....	36-39
Edmunds Church.....	45	Lansing.....	20, 41
Edwardsville.....	17	Lawrence quadrangle.....	39-40
Elevation figures of, accuracy of.....	3	Leavenworth.....	40
figures of, datum of.....	5	Leavenworth quadrangle.....	40-41
Elk City.....	33	Lee.....	44
Elm Tree School.....	26	Lenape.....	18, 50
Erie.....	34		

