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SPIRIT LEVELING IN MISSOURI

PART 2. SOUTH-CENTRAL MISSOURI

1896-1937

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Prepared in cooperation with the
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INTRODUCTION

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

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

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

First-order leveling** consists of leveling done with the most improved instruments, all sections being leveled twice, in opposite directions, under varying conditions. Closures are not allowed to exceed the amount in feet represented by the formula 0.017 times the square root of the length of section in miles.

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

Third-order leveling is made up of lines that are run, either with first-order equipment or with an engineer's wye level and rods of the New York type, in single-line circuits that are required to close within the limits of 0.05 times the square root of the

*For the results of spirit leveling in Missouri previously published see Triangulation and spirit leveling—Missouri: U. S. Geol. Survey 18th Ann. Rept., pt. 1, pp. 333-337, 1897; Triangulation and spirit leveling—Missouri-Illinois: U. S. Geol. Survey 20th Ann. Rept., pt. 1, pp. 412-413, 1899; Triangulation, primary traverse and spirit leveling—Missouri: U. S. Geol. Survey 21st Ann. Rept., pt. 1, pp. 474-475, 1900; Results of spirit leveling, fiscal year 1900-1901—Missouri, Missouri-Kansas: U. S. Geol. Survey Bull. 185, pp. 107-113, 1901; Results of spirit leveling in Missouri, 1896 to 1919, inclusive: U. S. Geol. Survey Bull. 459, 48 pp., 1911; Results of spirit leveling in Missouri, 1896 to 1914, inclusive: U. S. Geol. Survey Bull. 568, 219 pp., 1915.

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

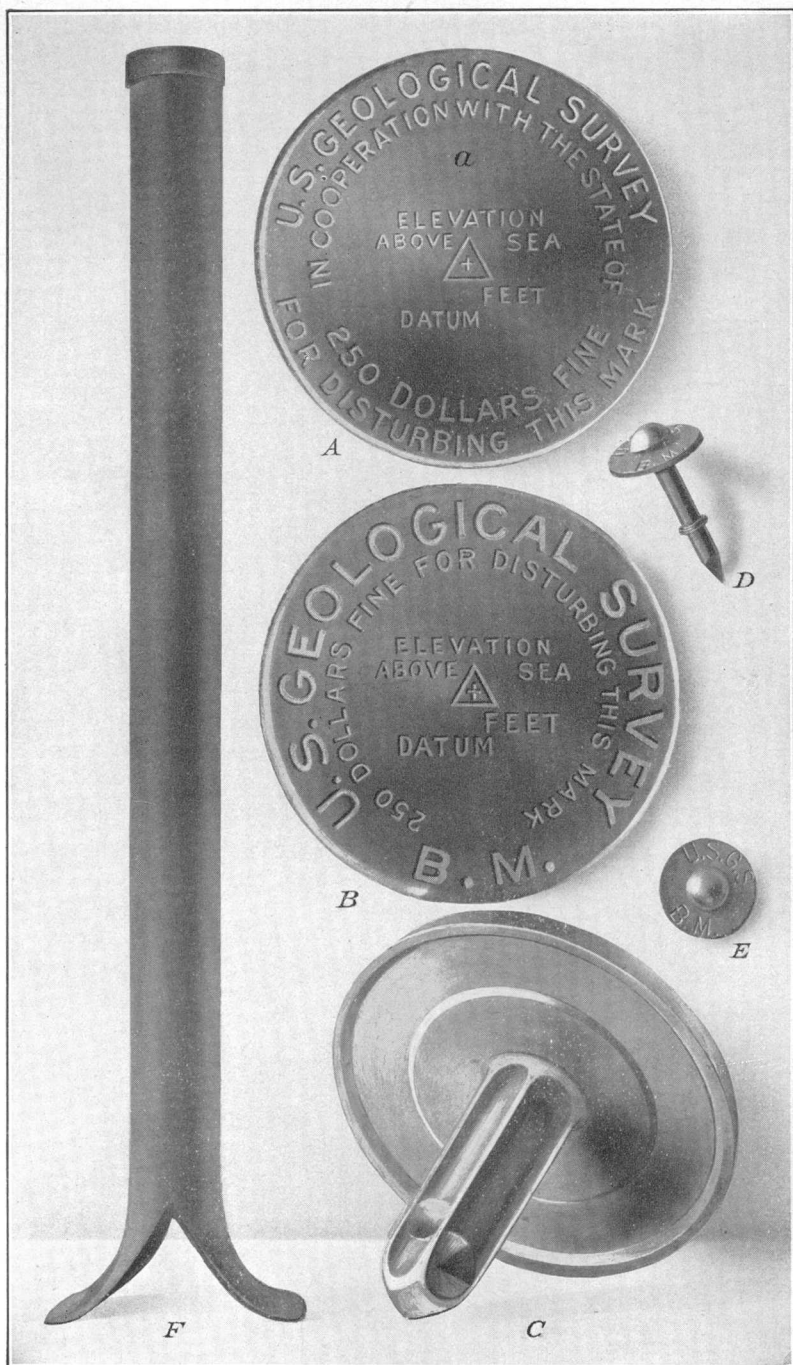
length of circuit in miles. This is equivalent to 0.071 times the square root of the length of section in miles if the line is leveled twice.

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

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

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

The tablets are circular in shape, measure $3\frac{7}{8}$ inches in diameter, and taper from a thickness of three-eighths of an inch at the center to about a quarter of an inch near the rounded edge. During a short period in the earlier years of the Survey's leveling the tablets set were made of aluminum. The softness of this metal, however, made them susceptible to damage, so that aluminum as a material for tablets was soon discarded. The earliest tablets set and those now being placed are made of bronze, and bronze is the material now specified for standard tablets. Each tablet is cast with a 3-inch shank extending from the center of its reverse side, by means of which it is cemented in place, and each bears an inscription on its face. The inscriptions on the tablets already placed differ in many details, because of changes in design at various times. The face of every tablet, however, is cast with the words "U. S. Geological Survey", a cross at the center, which indicates the fiducial point for position or elevation, and the words "Elevation above sea." On some tablets the inscription indicates that they were set in connection with a project in which a State or other organization cooperated; on some the inscription includes a triangle, which signifies a located point, enclosing the cross at the center. Tablets bearing a triangle enclosing a cross may be used not only as benchmarks but also as triangulation- or traverse-station marks.



GEOLOGICAL SURVEY BENCHMARKS.

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

The inscription of most of the tablets already set includes the warning "250 dollars fine for disturbing this mark", but the latest design omits this phrase and adds the sentence "For information write the Director, Washington, D. C."

If the tablet is to mark a transit-traverse station the traverseman stamps it with letters indicating this use of it, such as "Prim. Trav. Sta.", "P.T.S.", or "T.T.", as well as his own identifying letter or letters, the serial number of the station, and the year, using steel dies. If the tablet is set as a benchmark, the levelman stamps it with his identifying letter or letters, the serial number, and the year. He may at the same time stamp upon it with steel dies the figures of elevation to the nearest foot, or these figures may be added later. Tablets that serve as benchmarks may have been set as such or they may have been set to mark traverse stations. Thus some of them serve a dual purpose, but each has stamped upon it the date and the identifying designation of only the engineer who established it.

The figures of elevation that appear on a tablet are usually those determined by field computation only. It is sometimes found, therefore, that they do not represent the latest information. This has happened either because they refer to some independent datum temporarily adopted before first-order trunk lines made standard datum available, or because a later adjustment made in the office has rendered necessary an appreciable change in the figures as determined in the field. 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 vary in length from 36 to 48 inches and are generally set so as to project about 6 inches above ground.

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

The third form of principal benchmark, set only in the early leveling, is a copper bolt, designed to be wedged into a drill hole in rock or masonry and perhaps further secured with lead or cement. This bolt measures 4 inches in length and 1 inch in 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 abbreviated word "Ft.", and the figures of elevation.

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

Preservation and restoration of benchmarks.—Any person who finds that a principal benchmark has been damaged, disturbed, or destroyed or that it should be reset or re-described on account of highway or other improvements will render a public service by communicating the facts to the Director, 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.*

Location of the area.—South-central Missouri, as the term is used in this bulletin and as the subject of part 2 of the bulletin, is that section of the State lying south of latitude $38^{\circ}00'$ and between longitudes $91^{\circ}15'$ and $93^{\circ}00'$. (See fig. 3.)

Index map.—The accompanying index map of south-central Missouri (fig. 4) shows the relative position of the quadrangle areas which make up this section. A quadrangle is the unit of topographic surveys adopted by the United States Geological Survey for dividing the area of the United States. All the quadrangles in south-central Missouri measure 15 minutes in latitude by 15 minutes in longitude. With the name of each

*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.

quadrangle, as shown on the map, is given the number of the page in this bulletin on which begins the list of descriptions of benchmarks in that quadrangle.

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

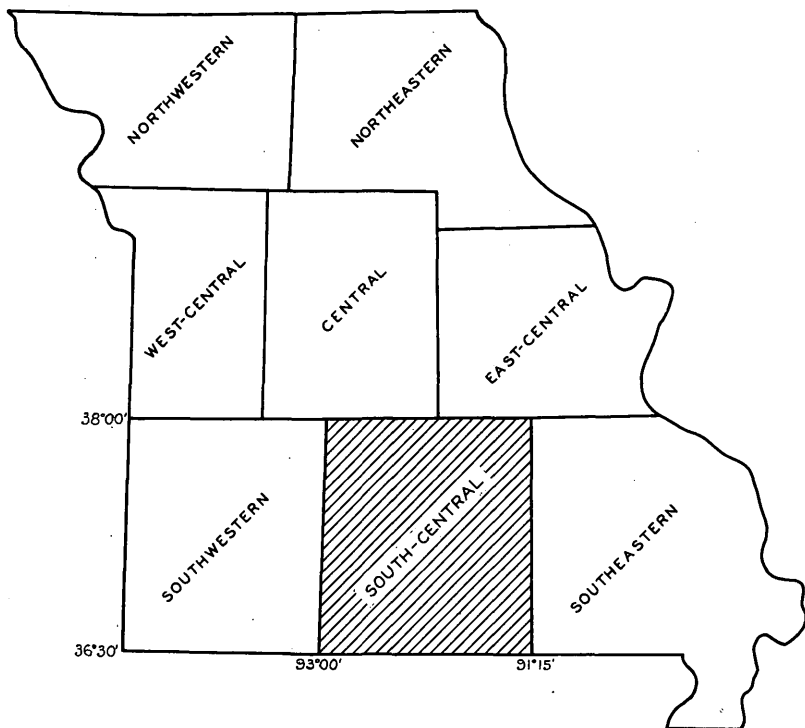


Figure 3.—Outline map of Missouri showing the names and relative position of the eight sections covered by the parts of Bulletin 898, on spirit leveling in the State. The shaded portion represents the section designated as south-central Missouri.

Diagrams of quadrangles showing routes of leveling.—At the beginning of the list of benchmark descriptions for each quadrangle is a diagram showing the routes followed by the lines of leveling in and immediately adjacent to that quadrangle. To aid in identifying these routes, the boundaries of the townships and ranges in the quadrangle are indicated by light dashed lines, and the designations of these land subdivisions are given on the margin. The principal settlements are also shown. The solid lines represent the routes of the third-order leveling of the United States Geological Survey. To each of these is assigned a number, and the same number is assigned to the list of descriptions of benchmarks along that route. The heavy dashed lines represent the first-order leveling of the United States Coast and Geodetic Survey.

Personnel.—The leveling of the United States Geological Survey in south-central Missouri was done under the supervision of the several chief geographers or chief topographic engineers who were in administrative charge of the topographic branch during the years when the lines were run. Included in the heading that precedes the descriptions of benchmarks established along any line of leveling are the name of the levelman who ran that line and the date when it was run, or, if this information has been omitted, it may be assumed that the levelman and date are the same as those indicated for the line immediately preceding. The adjustment of the third-order level net was done in the Washington office mainly by V. S. Benfell, computer. The revision, correlation,

MACKS CREEK 256	STOUTLAND 262	RICHLAND 267	WAYNESVILLE 272	ROLLA 278	MEWAMEC SPRING 281	STEELEVILLE 289	38°00'
LONG LAKE 252	LEBANON 226	DRYNOB 222	BIG PINEY 190	EDGAR SPRINGS 186	SALEM 154	STONE HILL 150	
NIANGUA 248	GROVESPRING 302	MANES 298	PLUM VALLEY 195	RAYMONDVILLE 182	CEDAR GROVE 168	SINKIN 146	
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BRADLEYVILLE 241	AVA 230	FIELDEN 215	TOPAZ 202	WILLOW SPRINGS 294	MONTIER 167	BANDYVILLE 136	
PROTEM 237	THORNFIELD 234	GAINESVILLE 210	CUREALL 206	WEST PLAINS 175	THAYER 172	COUCH 133	36°30' 91°15'
93°00'							

Figure 4.—Index map of south-central Missouri showing the quadrangles into which this section of the State has been divided.

and compilation of the descriptions of benchmarks was done in the field office at Rolla, Mo., by employees of the Works Progress Administration of Missouri, who also assembled the lists and made new typewritten copies of them suitable for reproduction by photography. The work at Rolla was sponsored by the Missouri Geological Survey and Water Resources and supervised by W. R. Broadus, of the United States Geological Survey. The entire work involved was under the general supervision of R. M. Wilson, chief of the section of computing, under the general direction of J. G. Staack, chief topographic engineer.

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COUCH QUADRANGLE
(Latitude $36^{\circ}30' - 36^{\circ}45'$; longitude $91^{\circ}15' - 91^{\circ}30'$)

- | | <u>Feet</u> |
|---|-------------|
| Alton, 3.2 mi. N. of, along rd. to Winona, 50 ft. S. and 40 ft. E. from T-rd. E., in root on N. side of 18-in. oak tree; copper nail and washer | 916.72 |
| Alton, 2 mi. N. of, near center of S $\frac{1}{2}$ sec. 22, T. 24 N., R. 4 W., 20 ft. N. and 20 ft. E. from junction of dim rd. E., 4 ft. NW. of fence corner, in concrete post; standard tablet stamped "T 8 B 1931" | 921.253 |
| Reference mark, 25 ft. S. of tablet, in root on N. side of 12-in. oak tree; copper nail and washer | 922.70 |
| Alton, 1.1 mi. N. of, 170 ft. N. and 16 ft. W. from T-rd. E., in fence line, in root on E. side of 18-in. hickory tree; copper nail and washer | 833.00 |
| Alton, at W. side of N. entrance to courthouse, 2 ft. N. of wall, in concrete post; standard tablet stamped "1 J 1931" | 779.382 |
| Reference mark, 35 ft. N. of N. entrance to courthouse, at N. edge of concrete walk; chiseled square | 776.06 |
| Alton, 1 mi. W. of, 75 ft. N. of farmhouse, 18 ft. S. of rd., 40 ft. N. and 5 ft. W. from gate in board fence around farmyard, in root on N. side of 6-in. oak tree; copper nail and washer | 898.86 |
| Alton, 2.1 mi. W. of, along old Alton-West Plains rd., 500 ft. SW. of dim rd. fork W. along fence line, 15 ft. S. and 320 ft. E. from rd. fork N., in root on N. side of blazed 24-in. oak tree; copper nail and washer | 923.67 |
| Alton, 3.1 mi. W. of, along old Alton-West Plains rd., 16 ft. S. and 16 ft. W. from rd. fork S., 33 ft. W. of blazed 18-in. oak tree, in concrete post; standard tablet stamped "2 J 1931" | 994.546 |
| Reference mark, 33 ft. E. of tablet, in root on N. side of blazed oak tree; copper nail and washer | 994.09 |
| Alton, 4.3 mi. W. of, along old Alton-West Plains rd., at top of large hill, 19 ft. N. and 35 ft. W. from T-rd. N., 150 ft. NW. of farmhouse, in root on SW. side of 4-in. oak tree; copper nail and washer | 974.12 |
| Alton, 5.3 mi. W. of, along old Alton-West Plains rd., at top of hill, 22 ft. S. and 80 ft. E. from T-rd. N., in root on N. side of 18-in. oak tree; copper nail and washer | 968.94 |

2. FROM ALTON EAST TO EAST BORDER OF QUADRANGLE (by C. E. Reick in 1932)

- 133

	<u>Feet</u>
T. 24 N., R. 3 W., in sec. 28, 100 ft. NE. of rd. fork S., on N. side of main rd., in root of 24-in. oak tree; copper nail	855.78
T. 24 N., R. 3 W., in sec. 28, 350 ft. E. of rd. fork N., 200 ft. N. of farmhouse, on S. side of rd., in root of 18-in. oak tree; copper nail	869.64
T. 24 N., R. 3 W., center sec. 27, 16 ft. N. and 27 ft. W. from crossroads, diagonally opposite farmhouse of Clarence Nichols, in concrete post; standard tablet stamped "T T 87 B 1932"	827.072
Reference mark, 110 ft. E. of tablet, in root of 12-in. walnut tree; copper nail	824.07
T. 24 N., R. 3 W., in sec. 26, 250 ft. E. of rd. S., on summit, on S. side of rd., in root of 24-in. oak tree; copper nail	798.87

3. SOUTH ALONG EAST BORDER OF QUADRANGLE INCLUDING THAT PART OF THE LINE IN GATEWOOD QUADRANGLE

T. 24 N., R. 3 W., 230 ft. W. of E. line sec. 26, on S. side of rd., in root of 30-in. white-oak tree; copper nail and washer	779.74
T. 24 N., R. 2 W., in sec. 30, 80 ft. NW. of crossroads, in root of 20-in. oak tree; copper nail and washer	736.93
T. 24 N., R. 2 W., about 700 ft. E. of W. cor. secs. 30 and 31, 27 ft. N. and 31 ft. E. from rd. corner, 4 ft. W. of triangular-blazed pine tree, in concrete post; standard tablet stamped "T T 88 B 1932"	694.134
Reference mark, 350 ft. N. of tablet, on W. side of rd., on ledge; chiseled square	712.57
T. 24 N., R. 2 W., in sec. 31, on W. side of rd., at mail box of W. M. Farris, in root of 20-in. oak tree; copper nail	713.96
Morgan School, near center of S $\frac{1}{2}$ sec. 6, T. 23 N., R. 2 W., 6 ft. W. of W. door of schoolhouse, in concrete porch; standard tablet stamped "T T 89 B 1932"	669.159
Reference mark, 60 ft. W. of tablet, in root of 18-in. oak tree; copper nail	665.27
T. 23 N., R. 3 W., in NE $\frac{1}{4}$ sec. 12, 80 ft. N. of rd. forks, on W. side of rd., in root of 24-in. oak tree; copper nail and washer	762.24
T. 23 N., R. 3 W., in sec. 12, at stream crossing, on W. side of rd., in root of 20-in. oak tree; copper nail	642.63
T. 23 N., R. 3 W., in sec. 13, 40 ft. SE. of rd. forks, in root of 24-in. oak tree; copper nail	744.47
T. 23 N., R. 3 W., in NE $\frac{1}{4}$ sec. 24, 1 mi. E. of Dry Creek, 38 ft. N. and 31 ft. W. from State Highway 42 at crossroad, in concrete post; standard tablet stamped "T T 90 B 1932"	737.212
Reference mark, 80 ft. S. of tablet, in root of 30-in. oak tree; copper nail	730.51
Job, 3.9 mi. N. of, 50 ft. W. of rd., on top of ridge, in root of 36-in. oak tree; copper nail	731.38
Job, 2.9 mi. N. of, in sec. 25, T. 23 N., R. 3 W., 200 ft. S. of T-rd. E., 10 ft. E. of rd., in root of 24-in. oak tree; copper nail	666.97
Job, 1.3 mi. N. of, near S. quarter cor. sec. 36, T. 23 N., R. 3 W., 400 ft. N. of ford across Dry Creek, 25 ft. N. and 30 ft. E. from junction of rd. E., 7 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 91 B 1932"	489.337
Reference mark, 110 ft. S. of tablet, in root of 20-in. oak tree; copper nail	478.87
Job, 0.6 mi. N. of, on summit, 100 ft. SW. of farmhouse, 30 ft. E. of rd., in root of 24-in. oak tree; copper nail	581.81
Job, 75 ft. NE. of crossroads, in root of 20-in. elm tree; copper nail	460.67
Job, 1 mi. S. of, 500 ft. N. of ford, on W. side of rd., in root of 24-in. oak tree; copper nail	476.60
Job, 2 mi. S. of, cor. secs. 13, 14, 23, and 24, T. 22 N., R. 3 W., 31 ft. S. and 22 ft. W. from crossroads, 20 ft. S. of fence corner, in concrete post; standard tablet stamped "T T 92 B 1932"	559.13
Reference mark, 490 ft. S. of tablet, in root of 20-in. oak tree; copper nail	558.68
T. 22 N., R. 3 W., in SW $\frac{1}{4}$ sec. 22, 40 ft. SE. of crossroads, in root of 15-in. oak tree; copper nail	632.24
T. 22 N., R. 3 W., in sec. 25, on summit, 100 ft. NE. of rd. fork W., in root of 15-in. oak tree; copper nail	634.00
Myrtle, 1 mi. NE. of, 442 ft. N. and 40 ft. E. from quarter cor. between secs. 35 and 36, T. 22 N., R. 3 W., 25 ft. N. and 40 ft. E. from T-rd. N., in concrete post; standard tablet stamped "T T 93 B 1932"	543.372
Reference mark, 330 ft. SW. of tablet, in root of 18-in. oak tree; nail	545.29
Myrtle, in front porch of general store of John M. Crass, W. of front door; standard tablet stamped "T T 94 B 1932"	566.377
Reference mark, 240 ft. W. of tablet, on concrete base of tank; chiseled square	560.70

4. WEST ALONG SOUTH BORDER OF QUADRANGLE

Myrtle, 0.9 mi. W. of, in sec. 34, T. 22 N., R. 3 W., on S. side of rd., in root of 18-in. walnut tree; copper nail	588.10
Myrtle, 2 mi. W. of, on S. head wall of culvert; chiseled square	619.29
Myrtle, 2.8 mi. W. of, in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 22 N., R. 3 W., at jog in rd., 46 ft. N. and 67 ft. E. from NE. corner of farmhouse of Mrs. Wetzel, 13 ft. S. 52° W. of walnut tree, in concrete post; standard tablet stamped "T T 95 B 1932"	735.289
Reference mark, 60 ft. W. of tablet, in root of 20-in. walnut tree; nail	734.80
Myrtle, 3.7 mi. W. of, on N. side of rd. to Thayer, in root of 18-in. oak tree; nail	829.83
Farwell, 20 ft. S. and 36 ft. E. from rd. forks, 11 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 96 B 1932"	778.953

Reference mark, 65 ft. NW. of tablet, on concrete base of gasoline tank; chiseled square	Feet 777.16
Farewell, 1 mi. W. of, in sec. 2, T. 21 N., R. 4 W., on summit, on S. side of rd., in root of 36-in. oak tree; nail	804.97
Jeff, 90 ft. S. of store, on NE. side of rd., in root of 30-in. locust tree; nail	759.83
Jeff, 1.3 mi. W. of, 31 ft. S. and 160 ft. E. from sixteenth cor., 0.2 mi. E. of N. cor. secs. 4 and 5, T. 21 N., R. 4 W., 40 ft. N. of NW. corner of farmhouse of Grover Allen, 31 ft. S. of rd., in concrete post; standard tablet stamped "T T 97 B 1932"	
Reference mark, 100 ft. NW. of tablet, in root of 20-in. oak tree; nail	867.473
Jeff, 2.4 mi. W. of, on N. side of rd. to Thayer, 30 ft. W. of rd. fork N., in root of 12-in. oak tree; nail	858.81
Jeff, 3.4 mi. W. of, at top of steep grade to W., 30 ft. S. of rd., in root of 20-in. oak tree; nail	833.74
Thayer, 4.9 mi. E. of, 0.2 mi. W. of cor. Tps. 21 and 22 N., Rs. 4 and 5 W., 35 ft. S. of rd., 55 ft. N. and 42 ft. W. from NW. corner of farmhouse of C. H. Young, 5 ft. SE. of fence corner, in concrete post; standard tablet stamped "T T 98 B 1932"	929.56
Reference mark, 630 ft. W. of tablet, 20 ft. S. of rd., in root of 12-in. oak tree; copper nail	802.931
Thayer, about 4 mi. E. of, on S. side of rd., at rd. S., in root of 15-in. hickory tree; nail	780.48
Thayer, 3.2 mi. E. of, along rd. to Myrtle, 15 ft. S. and 35 ft. W. from crossroads at top of hill, in concrete post; standard tablet stamped "T T 99 B 1932"	724.85
Reference mark, 50 ft. E. of tablet, in root of 36-in. oak tree; nail	687.762
	668.07

(Continued in Thayer quadrangle; see line 2.)

5. FROM POINT NEAR CENTER OF NORTH HALF OF WEST BORDER OF QUADRANGLE EAST AND SOUTH TO STATE HIGHWAY 19 (by J. G. Bardsley in 1935)

Alton, 4.5 mi. W. of, along old Alton-West Plains rd., near S. quarter cor. sec. 35, T. 24 N., R. 5 W., 1.2 mi. E. of Pinwood School, near junction of rd. NW., 25 ft. N. of rd., in 24-in. oak tree; copper nail and washer	899.27
T. 23 N., R. 5 W., E. sixteenth cor. between secs. 1 and 12, 184 ft. N. 72° W. of rd. at fence N., 13 ft. N. and 8 ft. E. from NE. corner of Shiloh School, in concrete post; standard tablet stamped "T T 1470 E R A 1935"	870.991
T. 23 N., R. 4 W., W. sixteenth cor. sec. 7, along rd. S. to State Highway 19, 0.9 mi. SE. of Shiloh School, 75 ft. SE. of frame dwelling of John Pradsley, on N. end of concrete driveway to garage; chiseled square	875.32
T. 23 N., R. 4 W., in SW $\frac{1}{4}$ sec. 7, 0.5 mi. W. of State Highway 19, 20 ft. E. of T-rd. N., in root on S. side of 12-in. oak tree; copper nail and washer	829.53
Alton, 4 mi. SW. of, along State Highway 19, near center sec. 18, T. 23 N., R. 4 W., 25 ft. W. of highway near rd. W., on E. end of concrete culvert; chiseled square	877.84
U.S.C. & G.S. standard disk stamped "W 51 1934"	881.950

6. FROM POINT 6.4 MILES SOUTHWEST OF ALTON EAST TO EAST BORDER OF QUADRANGLE (by B. A. Barnes in 1936)

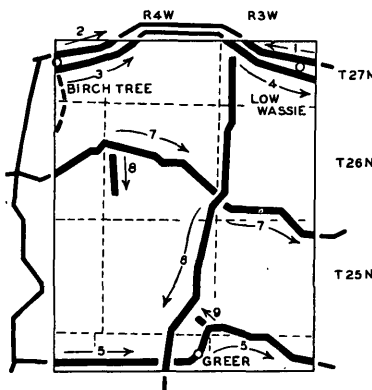
U.S.C. & G.S. standard disk stamped "X 51 1934"	863.919
U.S.C. & G.S. standard disk stamped "Y 51 1934"	896.954
T. 23 N., R. 5 W., in SE $\frac{1}{4}$ sec. 36, 185 ft. N. and 110 ft. E. from junction of State Highway 19 and County Route A, in root on NW. side of 22-in. black-oak tree; copper nail and washer	874.43
Junction of lane S., 36 ft. S. and 66 ft. E. from, in root on NE. side of 12-in. black-oak tree; crossed nails	884.33
T. 22 N., Rs. 4 and 5 W., probable N. cor. secs. 1 and 6, 40 ft. N. and 10 ft. W. from T-rd. N., in root on S. side of 14-in. black-oak tree; copper nail and washer	875.53
Junction of rd. S., 48 ft. S. of, in root on NE. side of 20-in. white-oak tree; crossed nails	844.12
Couch, 2.8 mi. W. of, along County Route A, in NE $\frac{1}{4}$ sec. 5, T. 22 N., R. 4 W., 28 ft. S. and 390 ft. E. from highway at rd. S., on top of hill, 58 ft. N. and 17 ft. E. from NE. corner of dwelling of H. C. Groom, in concrete post; standard tablet stamped "T T 1 J J 1936"	804.032
Highway at ridge crest, 30 ft. N. of, in root on NE. side of 28-in. black-oak tree; crossed nails	756.56
T. 22 N., R. 4 W., in NW $\frac{1}{4}$ sec. 4, 26 ft. N. and 15 ft. E. from junction of rd. N., in root on E. side of 14-in. white-oak tree; copper nail and washer	707.28
Junction of rd. NW., in root on SE. side of 14-in. white-oak tree; crossed nails	674.65
Couch, 0.6 mi. W. of, along County Route A, in NW $\frac{1}{4}$ sec. 3, T. 22 N., R. 4 W., 38 ft. N. of highway at ridge crest, in root on SE. side of 30-in. black-oak tree; copper nail and washer	668.91
Couch, 493 ft. S. and 285 ft. W. from sixteenth cor., 0.25 mi. S. of quarter cor. between secs. 34 and 35, T. 23 N., R. 4 W., 31 ft. S. of County Route A at rd. N. to business district, 6 ft. S. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "T T E J J 1936"	640.586
Concrete low-water bridge, on NW. corner; chiseled square	587.70
Couch, 1.3 mi. E. of, along County Route E, at ridge crest, 51 ft. N. and 60 ft. E. from highway at cross rd., in root on S. side of 20-in. white-oak tree; copper nail and washer	685.73

	Feet
County Route E in valley, 63 ft. N. of highway, 110 ft. E. of cross lane, in root on N. side of 20-in. elm tree; crossed nails	587.53
Couch, 2.4 mi. E. of, along County Route E, in NE $\frac{1}{4}$ sec. 1, T. 22 N., R. 4 W., 30 ft. S. of highway, 40 ft. E. of mail box of Ray Davis, in root on S. side of 8-in. post-oak tree; copper nail and washer	599.76
Couch, 3.1 mi. SE. of, along County Route E, in SE $\frac{1}{4}$ sec. 1, T. 22 N., R. 4 W., 18 ft. S. and 45 ft. E. from highway at cross rd., in root on W. side of 18-in. black-oak tree; copper nail and washer	576.35
Couch, 3.7 mi. SE. of, along County Route E, in SE $\frac{1}{4}$ sec. 6, T. 22 N., R. 3 W., 25 ft. S. and 32 ft. E. from highway at rd. E., near top of hill, 4 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T 3 J J 1936"	667.527
Crossing of small creek, 120 ft. S. and 36 ft. E. from, in root on W. side of 20-in. hickory tree; crossed nails	593.71
T. 22 N., R. 3 W., in SW $\frac{1}{4}$ sec. 8, 90 ft. SE., thence 120 ft. N. from junction of County Route E and rd. E., in root on N. side of 14-in. twin oak tree; copper nail and washer	542.19
T. 22 N., R. 3 W., near center of NE $\frac{1}{4}$ sec. 8, 100 ft. E. of ford across small creek, 15 ft. S. of rd., in root on N. side of 16-in. white-oak tree; copper nail and washer	534.09
T-rd. S., 15 ft. S. and 52 ft. E. from, in root on NW. side of 12-in. black-oak tree; crossed nails	639.30
Job, 2 mi. W. of, along Garfield-Job rd., in NE $\frac{1}{4}$ sec. 10, T. 22 N., R. 3 W., 34 ft. S. and 17 ft. E. from junction of rd. S., 15 ft. S. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "T 4 J J 1936"	592.394
Lick Branch, near foot of slope, 30 ft. N. of rd., in root on SW. side of 30-in. black-oak tree; crossed nails	540.18
Job, 0.8 mi. W. of, in SW $\frac{1}{4}$ sec. 11, T. 22 N., R. 3 W., 18 ft. N. and 30 ft. E. from crossroads, 156 ft. SE. of SE. corner of Cotton Creek School, in root on S. side of 42-in. black-oak tree; copper nail and washer	581.50
Job, 75 ft. NE. of crossroads, in root of 20-in. elm tree; copper nail and washer	460.67
Job, 0.6 mi. N. of, on summit, 30 ft. E. of rd., 100 ft. SW. of farmhouse, in root of 24-in. oak tree; copper nail and washer	581.81

For additional level lines along State Highways 14 and 19, refer to U.S. Coast and Geodetic Survey second-order lines, Doniphan to Alton and Birch Tree to Thayer.

BANDYVILLE QUADRANGLE
(Latitude $36^{\circ}45' - 37^{\circ}00'$; longitude $91^{\circ}15' - 91^{\circ}30'$)

Oregon and Shannon Counties



1. FROM EAST BORDER OF QUADRANGLE NORTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO NORTH BORDER (second-order line by H. P. Jones in 1933)

Low Wassie, 600 ft. W. of post office, 300 ft. W. of St. Louis-San Francisco Ry. sta., 190 ft. N. of track, on E. side of rd. N., 2 ft. W. of fence; iron post stamped "Prim Trav Sta No 52 1913 Mo 809"	809.160
Winona, 4.1 mi. E. of, along St. Louis-San Francisco Ry., at SW. corner of large wooden trestle 336.2, in wooden wing wall; copper nail and washer	832.54
Winona, 3.1 mi. E. of, along St. Louis-San Francisco Ry., at SW. corner of wooden trestle 335.1, in wooden abutment; copper nail and washer	854.60
Winona, 2.2 mi. E. of, along St. Louis-San Francisco Ry., at NW. corner of wooden trestle 334.1, in wooden abutment; copper nail and washer	870.12
Winona, 1 mi. E. of, along St. Louis-San Francisco Ry., 25 ft. N. of U. S. Highway 60, 55 ft. S. and 20 ft. E. from private rd. crossing, 20 ft. SE. of E. gatepost at right-of-way fence, in root on N. side of large, blazed oak tree; copper nail and washer	904.14

2. FROM WEST BORDER OF QUADRANGLE NORTHEAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO NORTH BORDER (second-order line by H. P. Jones in 1934)

(Continued from Montier quadrangle; see line 1.)

Birch Tree, at NE. corner of small park on St. Louis-San Francisco Ry. sta. property, 75 ft. S. of track; iron post stamped "Mo 989"	Feet 990.864
Reference mark 1, 200 ft. NW. of tablet, 5 ft. W. of entrance to Farmers Savings Bank, on top of marble water table; chiseled square	989.01
Reference mark 2, 60 ft. S. and 15 ft. E. from tablet, on S. end of N. head wall of concrete culvert; chiseled square	992.16
Birch Tree, 0.7 mi. E. of, along St. Louis-San Francisco Ry., in N. side of bridge 323; bolt	1,027.97
Birch Tree, 1.6 mi. E. of, along St. Louis-San Francisco Ry., 1,000 ft. W. of milepost 324, on S. head wall of stone culvert; chiseled square	1,074.04
Birch Tree, 2.6 mi. E. of, along St. Louis-San Francisco Ry., 100 ft. E. of milepost 324.25, 35 ft. S. of track, 14 ft. W. of rd., in cultivated field; iron post stamped "Mo 1015"	1,016.268
Birch Tree, 2.6 mi. E. of, along St. Louis-San Francisco Ry., 46 ft. N. and 28 ft. W. from rd. crossing, 15 ft. NW. of second telegraph pole W. of pole 324.25, in concrete post; standard tablet stamped "10 J 1934 1025"	1,025.245
Birch Tree, 3.2 mi. E. of, along St. Louis-San Francisco Ry., 50 ft. S. of track, opposite first telegraph pole W. of pole 325.20, 2 ft. S. of right-of-way fence, in root on N. side of 36-in. black-oak tree; copper nail and washer	1,032.64
Bartlett, 0.5 mi. W. of, along St. Louis-San Francisco Ry., 60 ft. S. and 20 ft. E. from rd. crossing, in root on N. side of 30-in. oak tree; copper nail and washer	1,048.18

(Continued in Eminence quadrangle; see line 1.)

3. FROM WEST BORDER OF QUADRANGLE NORTHEAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO NORTH BORDER (by E. C. Bibbee in 1914)

Birch Tree, in front of St. Louis-San Francisco Ry. sta.; top of rail	988.9
Birch Tree, 1.8 mi. E. of, along St. Louis-San Francisco Ry., 500 ft. E. of milepost 323, on NE. corner of N. end of stone culvert; chiseled square	1,055.56

4. FROM NORTH BORDER OF QUADRANGLE SOUTHEAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO EAST BORDER (by E. C. Bibbee in 1914)

Winona, 3.1 mi. E. of, along St. Louis-San Francisco Ry., 210 ft. E. of milepost 335, on S. end of stone box culvert; chiseled square	854.99
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5. EAST ALONG SOUTH BORDER OF QUADRANGLE (by W. R. Broadus in 1925)

(Continued from Montier quadrangle; see line 2.)

Thomasville, 3.6 mi. SE. of, 0.9 mi. E. of State Highway 19, 20 ft. N. of old Thomasville-Woodside rd., on top of Devils Backbone Ridge, 500 ft. E. of point of ridge, in root on S. side of 12-in. post-oak tree; copper nail and washer	851.33
Thomasville, 4.5 mi. SE. of, at Royal Oak, 500 ft. W. of dwelling of Jim Winnegar, 20 ft. N. of T-rd. S., in fence line, in root on S. side of 14-in. post-oak tree; copper nail and washer	861.97
Thomasville, 5.8 mi. SE. of, 0.7 mi. N. of Royal Oak School, 15 ft. W. of rd. junction, on E. side of field near SW. corner of old field, in concrete post; standard tablet stamped "66 B 1925"	883.480
Reference mark, 72 ft. E. of tablet, in root on N. side of 14-in. post-oak tree; copper nail and washer	881.75
Holmes' store, 3.7 mi. W. of, 6.3 mi. SE. of Thomasville, on E. side of dwelling of Frank Campbell, 70 ft. S. of lane, in top of NE. corner of concrete platform of cistern; chiseled square	847.55
Holmes' store, 2.4 mi. W. of, 6.8 mi. SW. of Greer, at NW. corner of old field, on top of ridge, 25 ft. W. of crossroads, in root on E. side of 15-in. red-oak tree; copper nail and washer	899.87
Holmes' store, 1.2 mi. W. of, 5.6 mi. W. of Greer, 320 ft. SW. of Decker dwelling, 35 ft. E. of crossroads, in root on S. side of 10-in. black-oak tree; copper nail and washer	896.18
Holmes' store (in locality known as Woodside), 4.4 mi. W. of Greer, 128 ft. E. of store building, 10 ft. N. of rd., 34 ft. S. of dwelling of T. P. Maltum, in concrete post; standard tablet stamped "67 B 1925"	839.572
Reference mark, 14 ft. S. 60° W. of tablet, in root on N. side of 14-in. black-oak tree; copper nail and washer	839.11
Holmes' store, 1 mi. NE. of, 3.4 mi. W. of Greer, 27 ft. N. of T-rd. E., in root on S. side of 12-in. red-oak tree; copper nail and washer	862.97
Greer, 2.4 mi. W. of, 15 ft. N. and 100 ft. W. from crossroads near Hickory Grove Church, 2 ft. N. of fence, in concrete post; standard tablet stamped "68 B 1925"	893.707
Reference mark, 200 ft. S. 80° E. of tablet, 10 ft. N. of church, in root on SE. side of 8-in. hickory tree; copper nail and washer	894.62
Hickory Grove Church, 0.8 mi. E. of, 1.6 mi. W. of Greer, 240 ft. N. of T-rd. W., 14 ft. NW. of T-rd. E., in root on W. side of 24-in. post-oak tree; copper nail and washer	855.60
Greer, 0.4 mi. W. of post office, 300 ft. N. and 170 ft. E. from county Route B at rd. NW., 280 ft. SE. of dwelling of W. H. Parrott, 95 ft. SW. of rd., in barnyard, in rock ledge; standard tablet stamped "69 B 1925"	852.548

	Feet
Reference mark, 590 ft. S. 60° E. of tablet, 30 ft. S. of rd. corner, in root on N. side of 24-in. black-oak tree; copper nail and washer	872.95
Greer, 0.9 mi. N. of, 25 ft. W. of rd. forks, in root on E. side of 20-in. post-oak tree; copper nail and washer	847.66
Greer, 2 mi. N. of, at Bellows Falls Farm, 25 ft. E. of rd., 15 ft. S. of Eleven Point River, in limestone ledge; standard tablet stamped "70 B 1925"	533.697
Eleven Point River at Bellows Falls Ford; surface of water November 17, 1925	521.6
Greer, 3 mi. NE. of, 250 ft. N. of mouth of Graveyard Hollow, 100 ft. SW. of rd. junction, 10 ft. N. of cemetery, in root on NE. side of 24-in. red-oak tree; copper nail and washer	538.56
Greer, 2 mi. N. of, to Bellows Falls Ford, thence 2.1 mi. down Eleven Point River, 40 ft. NW. of N. end of old Rice Ford, 120 ft. SW. of Shehorn Sawmill, in root on N. side of 8-in. elm tree; copper nail and washer	516.28
Greer, 2 mi. N. of, to Bellows Falls Ford, thence 3.7 mi. down Eleven Point River, 1.4 mi. W. of Turner's mill, 35 ft. N. of rd. forks to ford and to field, in top of 6- by 5- by 2-ft. boulder; standard tablet stamped "71 B 1925"	515.434
Reference mark, 10 ft. W. of tablet, in root on W. side of 12-in. white-oak tree; copper nail and washer	513.39
Turner's mill, 0.8 mi. above, 6.4 mi. E. of Greer, in Eleven Point River Valley, 35 ft. S. and 15 ft. E. from rd. junction, at foot of bluff, 50 ft. E. of right-angled bend in river, in root on W. side of 14-in. sugar-maple tree; copper nail and washer	509.06
Turner's mill, 0.3 mi. E. of, 5 mi. W. of Wilderness, 150 ft. NW. of Surprise School, at foot of N. bluff along Eleven Point River, 20 ft. N. and 10 ft. above rd., in top of and 0.5 ft. N. of face of limestone ledge; standard tablet stamped "72 B 1925"	516.305
Reference mark, 175 ft. S. 70° E. of tablet, 22 ft. N. and 8 ft. E. from Surprise School, in root on S. side of 8-in. red-oak tree; copper nail and washer	515.46

6. SOUTH THROUGH CENTER OF QUADRANGLE (by L. V. Johnson in 1931)
(Continued from Eminence quadrangle; see line 8.)

Winona, 0.8 mi. S. of, along old rd. to Alton, at top of hill, 80 ft. N. and 30 ft. E. from rd. at E.-W. fences, 45 ft. W. of SW. corner of barn of Tom Bochman, 5 ft. E. of fence, in root on W. side of 15-in. oak tree; copper nail and washer	1,024.20
Winona, 1.6 mi. S. of, along old rd. to Alton, at top of large hill, 8 ft. S. and 15 ft. E. from dim lane W., in root on S. side of blazed pine tree; copper nail and washer	1,006.80
Winona, 2.6 mi. S. of, along old rd. to Alton, 18 ft. E. of rd. fork NE., at fence corner, in root on W. side of large oak tree; copper nail and washer	982.30
Winona, 3.3 mi. S. of, along rd. to Alton, 20 ft. W. of rd., 20 ft. N. and 25 ft. E. from dwelling of Arley Comely, in concrete post; standard tablet stamped "T T 2 B 1931"	1,052.923
Reference mark, 40 ft. E. of dwelling of Arley Comely, in root on E. side of large oak tree; copper nail and washer	1,052.73
Winona, 4.3 mi. S. of, along rd. to Alton, 10 ft. W. of rd., in root on W. side of blazed 12-in. oak tree; copper nail and washer	933.95
Winona, 5.4 mi. S. of, along rd. to Alton, 150 ft. E. of farmhouse, 12 ft. W. of rd., in root on SE. side of blazed 12-in. oak tree; copper nail and washer	890.22
Winona, 6.2 mi. S. of, along rd. to Alton, at top of hill, 150 ft. E. of rd. corner at township line, 12 ft. N. of rd., in root on S. side of large, blazed oak tree; copper nail and washer	965.00
Winona, 6.7 mi. S. of, along rd. to Alton, 2,020 ft. S. and 30 ft. E. from NW. cor. sec. 18, T. 26 N., R. 3 W., 25 ft. E. of rd., 80 ft. S. and 117 ft. W. from dwelling of G. W. Needle, in concrete post; standard tablet stamped "T T 3 B 1931"	956.753
Reference mark, 15 ft. S. of gate to yard of G. W. Needle, in root on W. side of oak tree; copper nail and washer	956.04
Winona, 7.5 mi. S. of, along rd. to Alton, on E. side of rd., in root on W. side of blazed oak tree; copper nail and washer	926.31
Winona, 8.5 mi. S. of, along rd. to Alton, 30 ft. NE. of triangle formed by rd. forks, 7 ft. NE. of mail box of J. B. Dave, in root on NW. side of large, blazed oak tree; copper nail and washer	745.03
Winona, 9.2 mi. S. of, along rd. to Alton, 500 ft. SE. of NW. corner and 40 ft. NE. of S. corner of large triangle formed by rd. forks, in root on S. side of large, blazed oak tree; copper nail and washer	716.71
Winona, 9.7 mi. S. of, along rd. to Alton, in NE $\frac{1}{4}$ sec. 36, T. 26 N., R. 4 W., 100 ft. S. 60° W. of dwelling of Tom Lindsey, 15 ft. E. of rd., in concrete post; standard tablet stamped "T T 4 B 1931"	741.688
Reference mark, 60 ft. N. of tablet, 10 ft. E. of rd., in root on SW. side of hickory tree; copper nail and washer	741.27
Winona, 10.4 mi. S. of, along rd. to Alton, at top of hill, on W. side of rd., in root on E. side of large, blazed oak tree; copper nail and washer	952.33
Winona, 11 mi. S. of, along rd. to Alton, at top of hill, 40 ft. S. of junction of Thomasville-New Liberty rd., in root on N. side of large, blazed oak tree; copper nail and washer	963.11
Winona, 11.9 mi. S. of, along rd. to Alton, 5 ft. W. of rd., in root on E. side of blazed 12-in. oak tree; copper nail and washer	813.17
Winona, 13 mi. S. of, along rd. to Alton, 50 ft. N. of rd. fork to sawmill of Dollie Gray, 20 ft. E. of rd., in concrete post; standard tablet stamped "T T 5 B 1931"	752.725
Reference mark, 12 ft. W. of rd., in line with T-rd. E. to sawmill, in root on E. side of 18-in. oak tree; copper nail and washer	750.55

Winona, 13.5 mi. S. of, along rd. to Alton, on N. side of rd., in root on S. side of large, blazed oak tree; copper nail and washer	Feet 677.39
Eleven Point River, 1.6 mi. N. of, 14.2 mi. S. of Winona, along rd. to Alton, 20 ft. S. and 8 ft. W. from rd. fork SE., in root on E. side of blazed 24-in. oak tree; copper nail and washer	631.19
Eleven Point River, 0.5 mi. N. of, 15.3 mi. S. of Winona, along rd. to Alton, 600 ft. SE. of schoolhouse, near small ridge at S. end of large meadow, on E. side of rd., in root on SW. side of blazed oak tree; copper nail and washer	577.89
Alton, 11 mi. N. of, 0.3 mi. E. of three-forked ford across Eleven Point River, 25 ft. S. of rd., in front of barn, in concrete post; standard tablet stamped "T 6 B 1931"	564.897
Reference mark, 60 ft. N. of barn, 6 ft. S. of rd., in root on S. side of 15-in. oak tree; copper nail and washer	566.31
Thrashers Ford, 0.4 mi. SW. of, along rd. to Alton, 55 ft. S. of S. corner of wooden fence around pigpen in farmyard, 23 ft. S. of rd., in root on SW. side of blazed locust tree; copper nail and washer	553.63
Thrashers Ford, 1.3 mi. SW. of, 8.9 mi. N. of Alton, along rd. to Winona, 350 ft. E. of old log barn, 6 ft. E. of rd., in root on SW. side of large, blazed oak tree; copper nail and washer	626.70
Alton, 8.1 mi. N. of, along rd. to Winona, 600 ft. N. of foot of large hill, 15 ft. E. of rd., in root on NW. side of large, blazed oak tree; copper nail and washer	712.19
T. 24 N., R. 4 W., in NW $\frac{1}{4}$ sec. 2, 15 ft. W. of rd., in front of farmhouse of H. E. Perego, in concrete post; standard tablet stamped "T T 7 E 1931"	936.682
Alton, 6 mi. N. of, along rd. to Winona, 80 ft. E. of old farmhouse, 5 ft. S. and 30 ft. W. from junction of rd. W., in root on N. side of 18-in. oak tree; copper nail and washer	884.12
Alton, 4.3 mi. N. of, along rd. to Winona, 8 ft. N. and 30 ft. W. from junction of rd. W., 30 ft. W. of junction of rd. E., in root on NE. side of 12-in. oak tree; copper nail and washer	881.76

(Continued in Couch quadrangle; see line 1.)

7. EAST THROUGH CENTER OF QUADRANGLE (by B. A. Barnes in 1936)

(Continued from Montier quadrangle; see line 7.)

T. 26 N., R. 5 W., in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 28, 84 ft. N. and 340 ft. W. from mouth of Cave Spring, 84 ft. N. and 108 ft. W. from ford across upper branch of Spring Creek, 12 ft. S. of dim E.-W. trail, 23 ft. N. of triangular-blazed 30-in. walnut tree, in lowland clearing occupied by John House, in concrete post; standard tablet stamped "T T 1482 E R A 1935"	773.958
Foot of hill, in draw, in root on SW. side of 14-in. black-oak tree; crossed nails	820.24
T. 26 N., R. 5 W., in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, near crest of ridge, 20 ft. E. of rd., in root on NE. side of 20-in. black-oak tree; copper nail and washer	937.47
T. 26 N., R. 5 W., in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, 12 ft. W. of rd., 42 ft. SW. of rail fence, in root on N. side of 12-in. twin black-oak tree; copper nail and washer	966.28
T-rd. SW., 18 ft. N. and 10 ft. W. from, in root on W. side of 10-in. post-oak tree; crossed nails	957.14
Crest of ridge, 18 ft. N. of rd., in root on SE. side of 14-in. white-oak tree; crossed nails	1,005.57
T. 26 N., R. 5 W., in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, 185 ft. N. and 7 ft. E. from NE. corner of farmhouse occupied by J. Keeling, 4 ft. S. and 15 ft. E. from NE. corner of picket fence around garden, in concrete post; standard tablet stamped "T T 1483 E R A 1935"	958.208
Rd. fork W., 21 ft. N. and 15 ft. W. from, in root on SE. side of 18-in. white-oak tree; crossed nails	962.27
T. 26 N., Rs. 4 and 5 W., near cor. secs. 13, 18, 19, and 24, 30 ft. S. and 27 ft. W. from crossroads, in root on N. side of 10-in. black-oak tree; copper nail and washer	1,027.23
T. 26 N., R. 4 W., near cor. secs. 17, 18, 19, and 20, 29 ft. N. and 15 ft. E. from crossroads, 0.3 mi. N. of Banner School, 7 ft. N. and 1 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 1484 E R A 1935"	1,000.327
Rd. in valley, 12 ft. S. of, in root on SW. side of 8-in. black-oak tree; crossed nails	947.47
T. 26 N., R. 4 W., near center SW $\frac{1}{4}$ sec. 16, 8 ft. S. and 26 ft. E. from rd. forks E. and SE., in root on W. side of 24-in. white-oak tree; copper nail and washer	992.22
Dwelling of Henry Garrett, in front of, in root on SE. side of 27-in. black-oak tree; crossed nails	989.85
T. 26 N., R. 4 W., in NE. cor. sec. 29, 0.4 mi. SE. of dwelling of Henry Garrett, in Big Hollow, 28 ft. S. and 48 ft. E. from ford across branch, in root on NE. side of 14-in. white-oak tree; copper nail and washer	922.68
T. 26 N., R. 4 W., 0.7 mi. S. of cor. secs. 15, 16, 21, and 22, 1.2 mi. SE. along rd. from dwelling of Henry Garrett, in locality known as Big Hollow, 24 ft. S. of trail, 30 ft. S. of triangular-blazed 8-in. white-oak tree bearing Forest Service Poster, 16 ft. N. of triangular-blazed 8-in. hickory tree, in concrete post; standard tablet stamped "T T 1485 E R A 1935"	870.914
Drain, 36 ft. W. of, 12 ft. S. of rd., in root on NW. side of 12-in. white-oak tree; crossed nails	842.22
T. 26 N., R. 4 W., in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23, 12 ft. S. and 100 ft. E. from ford across branch, in root on N. side of 14-in. post-oak tree; copper nail and washer	795.07
Junction of rds. N. and SW., 48 ft. S. and 51 ft. E. from, in root on N. side of 12-in. white-oak tree; crossed nails	780.20

	<u>Feet</u>
T. 26 N., R. 4 W., 720 ft. N. of E. sixteenth cor. between secs. 23 and 26, 320 ft. S. of SW. corner of dwelling of J. E. Davis, 20 ft. S. and 51 ft. W. from 20-in. white-oak tree, in concrete post; standard tablet stamped "T T 1486 E R A 1935"	769.038
T. 26 N., R. 4 W., 1,320 ft. S. and 924 ft. E. from cor. secs. 23, 24, 25, and 26, 500 ft. S. of Pond Hollow School, 12 ft. S. and 38 ft. W. from rd. fork NW., in root on N. side of 22-in. black-oak tree; copper nail and washer	741.46
County Route B at crossroad, 35 ft. N. and 30 ft. E. from, in root on W. side of 8-in. sycamore tree; nail	713.45
Ford across branch, 17 ft. N. and 28 ft. E. from, in root on S. side of 13-in. hickory tree; crossed nails	704.67
T. 26 N., R. 3 W., in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, 24 ft. N. and 9 ft. W. from T-rd. W., in root on N. side of 10-in. hickory tree; copper nail and washer	695.10
Rd., 10 ft. S. of, in root on N. side of 14-in. sycamore tree; crossed nails	681.58
T. 26 N., R. 3 W., in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, 30 ft. N. and 30 ft. W. from T-rd. W., in root on SW. side of 14-in. white-oak tree; copper nail and washer	681.00
Rd., 45 ft. SE. of, in root on S. side of 17-in. black-oak tree; crossed nails	672.56
T. 26 N., R. 3 W., in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 32, 81 ft. S. of ford across branch, in root on SW. side of 14-in. pine tree; copper nail and washer	664.45
New Liberty, 1.1 mi. W. of, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 26 N., R. 3 W., 350 ft. N. of Falling Springs Cemetery, 12 ft. E. of T-rd. W., 1 ft. W. of fence, in concrete post; standard tablet stamped "T T 1618 E R A 1935"	661.610
T-rd. N., 15 ft. S. and 60 ft. W. from, in root on NE. side of 8-in. walnut tree; crossed nails	642.12
New Liberty, about 0.2 mi. SW. of, in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, T. 25 N., R. 3 W., 15 ft. S. and 156 ft. E. from rd. fork E., 90 ft. NW. of NW. corner of schoolhouse, in root on NW. side of 26-in. white-oak tree; copper nail and washer	637.27
Ridge crest, 24 ft. W. of rd., in root on E. side of 26-in. white-oak tree; crossed nails	908.91
T. 25 N., R. 3 W., in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, at top of ridge, 30 ft. N. of rd. at curve, in root on N. side of 13-in. white-oak tree; copper nail and washer	918.00
Rd., 30 ft. N. of, in root on S. side of 30-in. black-oak tree; crossed nails	965.84

8. LINE TO DETERMINE ELEVATION OF BANNER TRIANGULATION STATION

T. 26 N., R. 4 W., cor. secs. 19, 20, 29, and 30, 18 ft. S. and 15 ft. E. from T-rd. W., in root on W. side of 24-in. pine tree; copper nail and washer	994.68
Banner triangulation sta., in NE $\frac{1}{4}$ sec. 31, T. 26 N., R. 4 W., about 0.2 mi. S. of Oregon-Shannon county line, 2.2 mi. S. of Banner School, on S. side of shallow lake known as the Slash, 75 paces E. of rd. passing along N. slope of ridge, midway between four triangular-blazed 8-in. oak trees, in concrete post; U.S.C. & G.S. standard disk stamped "Banner 1928"	1,040.117
Reference mark 1, 125 ft. from sta., in azimuth 206°; U.S.C. & G.S. standard disk	1,035.041
Reference mark 2, 110 ft. from sta., in azimuth 54°; U.S.C. & G.S. standard disk	1,035.563

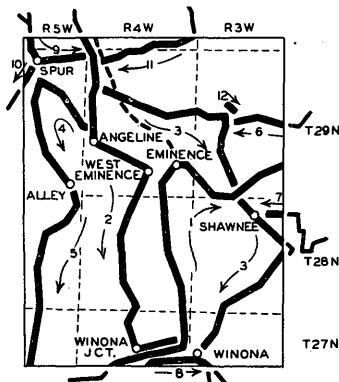
9. LINE TO DETERMINE ELEVATION OF WATER-RESOURCES GAGE NEAR GREER

Greer, about 1 mi. N. of, along County Route B, in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 25 N., R. 4 W., about 1.1 mi. above Eleven Point River, 650 ft. below upper outlet of spring at mouth of cave, 250 ft. below lower outlet of spring, 20 ft. below old iron water wheel, in limestone ledge; standard tablet (set by water-resources branch of U.S. Geol. Survey)	565.165
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For an additional level line along State Highway 19, refer to U.S. Coast and Geodetic Survey second-order line, Birch Tree to Thayer.

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

Shannon County



1. FROM SOUTH BORDER OF QUADRANGLE NORTHEAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO WINONA, THENCE NORTH ALONG STATE HIGHWAY 19 TO EMINENCE, THENCE EAST ALONG STATE HIGHWAY 106 TO EAST BORDER (second-order line by H. P. Jones in 1933-34)
(Continued from Bandyville quadrangle; see line 2.)

	Feet
Bartlett, 350 ft. N. 25° E. of St. Louis-San Francisco Ry. sta. signpost, 325 ft. NE. of store and post office, 85 ft. N. of track, 2 ft. S. of fence; iron post stamped "Prim Trav Sta No 51 1913 Mo 1045 US"	1,046.252
Bartlett, 0.2 mi. E. of post office, about 1,000 ft. S. of schoolhouse, 90 ft. N. of small wooden trestle on St. Louis-San Francisco Ry., 25 ft. N. and 22 ft. W. from T-rd. N.; iron post stamped "Mo 1039"	1,040.430
Bartlett, 1.1 mi. E. of, along St. Louis-San Francisco Ry., 50 ft. S. of track at second telegraph pole W. of pole marked "328.5", on S. right-of-way line, in root on N. side of 24-in. white-oak tree; copper nail and washer	1,060.48
Bartlett, 1.7 mi. E. of, along St. Louis-San Francisco Ry., 105 ft. W. of rd. crossing, 10 ft. S. of rd., on S. head wall of concrete culvert; chiseled square	1,021.44
Bartlett, 2.2 mi. E. of, along St. Louis-San Francisco Ry., 38 ft. S. and 35 ft. E. from rd. crossing about 375 ft. N. of telegraph pole marked "329", 14 ft. E. of gatepost, 2 ft. N. of S. right-of-way fence, in concrete post; standard tablet stamped "11 J 1934 999"	998.774
Winona Junction, 260 ft. S. of, 25 ft. W. of St. Louis-San Francisco Ry. track, 2 ft. N. of S. line of rd.; iron post stamped "Mo 983"	983.168
Winona, 1.8 mi. W. of, along St. Louis-San Francisco Ry., at trestle 330.2, in center of S. side of wooden support; copper nail and washer	960.27
Winona, 1.1 mi. W. of, along St. Louis-San Francisco Ry., at NE. corner of wooden trestle 330.9, in wooden wing wall; copper nail and washer	944.61
Winona, 200 ft. N. of St. Louis-San Francisco Ry. sta., at NE. corner of street intersection; iron post stamped "Mo 911"	911.400
Winona, about 1 mi. N. of, along State Highway 19, near line between sec. 7 and 18, T. 27 N., R. 3 W., 100 ft. S. of fence corner, in root on E. side of 10-in. oak tree; copper nail and washer	1,002.51
Winona, 2 mi. N. of, along State Highway 19, in NE¼ sec. 7, T. 27 N., R. 3 W., on W. side of highway, in root on E. side of 16-in. oak tree; copper nail and washer	1,127.42
Winona, 3 mi. N. of, along State Highway 19, in NW¼ sec. 6, T. 27 N., R. 3 W., in center of W. head wall of double concrete culvert over Sycamore Creek; standard tablet stamped "1 J 1933 1007"	1,006.844
Winona, 4 mi. N. of, along State Highway 19, in NW¼ sec. 31, T. 28 N., R. 3 W., on E. side of highway, in root on W. side of 12-in. oak tree; copper nail and washer	1,092.05
Winona, 5 mi. N. of, along State Highway 19, in NW¼ sec. 25, T. 28 N., R. 4 W., about 900 ft. S. of junction of dim rd. W., 35 ft. W. of highway at top of small hill, in limestone outcrop; standard tablet stamped "2 J 1933 1115"	1,114.496
Winona, 6 mi. N. of, along State Highway 19, in SE¼ sec. 23, T. 28 N., R. 4 W., on E. side of highway, in root on NW. side of 18-in. oak tree; copper nail and washer	1,131.72
Eminence, 4 mi. S. of, along State Highway 19, near center sec. 14, T. 28 N., R. 4 W., 54 ft. N. 15° E. of junction of dim rd. E., in sandstone outcrop; standard tablet stamped "3 J 1933 1080"	1,079.598
Eminence, 3 mi. S. of, along State Highway 19, in SW¼ sec. 11, T. 28 N., R. 4 W., 115 ft. E. of junction of rd. SE., in root on N. side of 12-in. oak tree; copper nail and washer	1,118.61
Eminence, 2 mi. S. of, along State Highway 19, near center sec. 2, T. 28 N., R. 4 W., on E. side of highway, in root on N. side of 20-in. oak tree; copper nail and washer	1,001.94

Eminence, 1.5 mi. S. of, along State Highway 19, in NW $\frac{1}{4}$ sec. 2, T. 28 N., R. 4 W., on E. side of highway, in head wall of concrete culvert; standard tablet stamped "4 J 1933 856"	Feet 855.549
Eminence, in NE. corner of courthouse yard, 12 ft. S. and 6 ft. W. from corner of stone wall; iron post stamped "Prim Trav Sta No 6 1914 Mo 677"	677.128
Eminence, 1 mi. E. of, along State Highway 106, in NW $\frac{1}{4}$ sec. 36, T. 29 N., R. 4 W., about 125 ft. SE. of junction of rd. SE., in root on N. side of 16-in. oak tree; copper nail and washer	637.02
Eminence, 2 mi. E. of, along State Highway 106, in SW $\frac{1}{4}$ sec. 30, T. 29 N., R. 3 W., about 300 ft. E. of rd. junction, on N. side of highway, in root on SE. side of 20-in. oak tree; copper nail and washer	864.92
Eminence, 3 mi. E. of, along State Highway 106, 120 ft. SE. of crossing of Shawnee Creek, in limestone outcrop; standard tablet stamped "5 J 1933 651"	650.311
Eminence, 4.5 mi. E. of, along State Highway 106, 30 ft. N. and 165 ft. W. from crossing of Little Shawnee Creek, in root on N. side of 24-in. sycamore tree; copper nail and washer	641.04
Shawnee, 2.9 mi. N. of, at N. side of farmhouse of C. E. Love, in SW. corner of foundation of porch; standard tablet stamped "Mo 666"	665.697
Eminence, 5.5 mi. E. of, along State Highway 106, in NE $\frac{1}{4}$ sec. 28, T. 29 N., R. 3 W., 40 ft. NW. of junction of rd. N., in root on S. side of 18-in. white-oak tree; copper nail and washer	961.60
Eminence, 6.8 mi. E. of, along State Highway 106, in SE $\frac{1}{4}$ sec. 27, T. 29 N., R. 3 W., about 6 mi. W. of Powder Mill Ford, 56 ft. SE. of junction of rd. S., in sandstone outcrop; standard tablet stamped "6 J 1933 1050"	1,049.312

2. FROM NORTH BORDER OF QUADRANGLE SOUTH ALONG SALEM, WINONA & SOUTHERN RAILWAY (now abandoned) TO WINONA (by E. C. Bibbee in 1914)

(Continued from Sinkin quadrangle; see line 1.)

Angeline, 4.5 mi. N. of, along Salem, Winona & Southern Ry., 100 ft. E. of track, 10 ft. SE. of rd., in root of 22-in. black-oak tree; rail spike	879.15
Angeline, 3.5 mi. N. of, in sec. 5, T. 29 N., R. 4 W., 600 ft. N. and 10 ft. W. from junction of County Route D and rd. N. which is 500 ft. W. of State Highway 19, in top of boulder; standard tablet stamped "Mo 1028"	1,028.063
Angeline, 2.3 mi. N. of, along Salem, Winona & Southern Ry., 40 ft. W. of track, 25 ft. S. of rd. at trail leading to farmhouse of Daniel Young, on limestone ledge; chiseled square	886.58
Angeline, 800 ft. N. of post office, 275 ft. N. of Horse Hollow sta. of Salem, Winona & Southern Ry., 105 ft. E. of track, on S. side of rd., 1 ft. W. of fence; iron post stamped "Mo 736"	735.487
Angeline, 1.4 mi. S. of, along Salem, Winona & Southern Ry., 70 ft. N. of rd. crossing, 4 ft. E. of E. rail, on sandstone ledge; chiseled square	674.64
Angeline, 2.3 mi. S. of, along Salem, Winona & Southern Ry., 25 ft. S. of track, 4 ft. S. of rd. near ford across Jacks Fork, in root of walnut tree; copper nail	650.78
West Eminence, 2 mi. NW. of, along Salem, Winona & Southern Ry., about 400 ft. N. of switch, 100 ft. SE. of ford across Jacks Fork, 25 ft. W. of track, 20 ft. E. of rd.; iron post stamped "Mo 645"	644.672
West Eminence, 0.9 mi. N. of, along Salem, Winona & Southern Ry., about 100 ft. NW. of bridge over Jacks Fork, 10 ft. N. of rd., in root of 24-in. white-oak tree; copper nail	637.14
West Eminence, 200 ft. N. of Salem, Winona & Southern Ry. sta., 85 ft. E. of track, on N. right-of-way line of rd., opposite drug store of Missouri Lumber & Mining Co.; iron post stamped "Mo 643"	643.248
West Eminence, 2.2 mi. S. of, along Salem, Winona & Southern Ry., 25 ft. E. of track, 40 ft. E. of rd. forks, 25 ft. S. of rd., 2 ft. E. of right-of-way, 2 ft. N. of fence; iron post stamped "Mo 694"	694.195
Delaware, 0.5 mi. N. of, along Salem, Winona & Southern Ry., 65 ft. N. of rd. crossing, 25 ft. W. of rd., on right-of-way line, in root of black-oak tree; copper nail	707.17
Delaware, 1 mi. S. of, along Salem, Winona & Southern Ry., 900 ft. N. of milepost 8, 20 ft. E. of track, on large boulder; chiseled square	747.41
Delaware, 1.7 mi. S. of, along Salem, Winona & Southern Ry., 40 ft. S. of rd. crossing, 2 ft. N. of S. fence; iron post stamped "Mo 763"	763.314
Buckhart Springs, 0.4 mi. S. of, along Salem, Winona & Southern Ry., about 100 ft. W. of rd., 25 ft. E. of track, on S. side of private lane leading to farmhouse of Silas Bradley; iron post stamped "Mo 856"	855.759
Buckhart Springs, 1.4 mi. S. of, along Salem, Winona & Southern Ry., 35 ft. W. of track, on inside of long curve, in root of lone pine tree; copper nail	905.04
Buckhart Springs, 2.4 mi. S. of, along Salem, Winona & Southern Ry., 100 ft. S. of rd. crossing, 40 ft. SE. of track, in root of white-oak tree; copper nail	961.99
Winona Junction, 1 mi. N. of, along Salem, Winona & Southern Ry., 100 ft. N. of switch, 40 ft. W. of track, in root of black-oak tree; copper nail	1,057.44
Winona, 0.7 mi. W. of, along St. Louis-San Francisco Ry., in small cut, 3 ft. S. of S. rail, on sandstone ledge; chiseled square	933.59

3. FROM POINT 3.5 MILES NORTH OF ANGELINE EAST AND SOUTH, BY WAY OF SHAWNEE, TO WINONA

Angeline, about 3.5 mi. NE. of, 20 ft. N. of rd. at old trail, in root of 14-in. hickory tree; nail	Feet 1,136.73
Angeline, 4 mi. NE. of, on ridge, at rd. forks, in root of pin-oak tree; nail	1,035.81
Angeline, 4.5 mi. E. of, directly opposite farmhouse of L. C. Culpepper, 180 ft. N. of rd., in cliff; standard tablet stamped "Mo 762"	762.382
Angeline, 5.5 mi. E. of, about 0.5 mi. W. of Powell's sawmill, at spring, on N. side of rd., in root of 24-in. pine tree; nail	694.70
Angeline, 5.9 mi. E. of, about 100 ft. W. of Powell's sawmill, on W. side of rd., in root of white-oak tree; nail	668.22
Shawnee, 10.2 mi. N. of, on Sutton Creek, 170 ft. N. of lane leading to farmhouse of Ed. Griggs, 25 ft. N. of rd., in cliff; standard tablet stamped "Mo 617"	616.734
Shawnee, 9.1 mi. N. of, at Powell's Ford across Current River, 7 ft. W. of rd., in root of black-oak tree; nail	598.80
Shawnee, 7.8 mi. N. of, on W. bank of Current River, at West's Ford, in root of elm tree; copper nail	584.60
Shawnee, 7.3 mi. N. of, on N. side of Thompson Creek Ford, in root of maple tree; copper nail	579.84
Shawnee, 6.8 mi. N. of, 545 ft. E. of junction of Current River and Jacks Fork, in center of rd., in root of maple tree; copper nail	585.52
Shawnee, 5.8 mi. N. of, on N. side of Jacks Fork, 150 ft. above first ford from mouth, in limestone cliff; standard tablet stamped "Mo 587"	586.733
Shawnee, 4.7 mi. N. of, 0.2 mi. E. of mouth of Shawnee Creek, at ford across Jacks Fork, on S. side of rd., in root of birch tree; copper nail	591.76
Shawnee, 1.9 mi. N. of, at T-rd. N., 600 ft. S. of farmhouse of Ephriam Dillard, in root of hickory tree; copper nail	686.21
Shawnee, 0.8 mi. N. of, 160 ft. S. of farmhouse of J. C. McCall, on N. side of rd. forks, directly opposite barn, 1 ft. S. of fence, on limestone ledge; chiseled square	754.23
Shawnee, 72 ft. W. of post office and store, across rd. and W. from fence; iron post stamped "Prim Trav Sta No 53 1913 Mo 830"	830.030
Flip, 0.9 mi. S. of post office, 300 ft. W. of farmhouse of Sam Shoemaker, in center of rd. at right angle turn, on sandstone ledge; chiseled square	877.64
Winona, 6 mi. N. of, 25 ft. E. of rd., in barnyard of E. M. Thomason, on large limestone rock; standard tablet stamped "Mo 932"	932.437
Winona, 4.8 mi. N. of, on top of divide, 10 ft. E. of rd., in root of black-oak tree; copper nail	1,072.08
Winona, 4.1 mi. N. of, 14 ft. E. of rd. forks, at signboard marked "Low Wassie 1 mile, Winona 4 miles", in root of black-oak tree; copper nail	982.09
Winona, 2.9 mi. NE. of, about 500 ft. NE. of farmhouse of R. L. Norton, in forks of rd., in large limestone rock; standard tablet stamped "Mo 922"	922.019
Winona, 2 mi. N. of, on top of hill, 5 ft. E. of rd., in root of 18-in. pine tree; copper nail	1,108.41
Winona, 0.9 mi. N. of, 25 ft. E. of rd., in root of black-oak tree; copper nail	961.10

4. FROM ANGELINE NORTHWEST TO SPUR, THENCE SOUTHEAST TO ALLEY

Angeline, 1.1 mi. N. of, along logging R.R., 1,000 ft. N. of milepost 20, 7 ft. E. of track, in root of 20-in. hickory tree; nail spike	772.91
Angeline, 1.8 mi. NW. of, along logging R.R., 20 ft. N. of track, 15 ft. NE. of Angeline-Ink rd., 1 ft. S. of telephone pole, on sandstone rock; chiseled square	821.25
Angeline, 2.9 mi. NW. of, along logging R.R., 275 ft. W. of milepost 22, 25 ft. N. of track, in root of 18-in. white-oak tree; nail spike	894.39
Angeline, 5.8 mi. NW. of, along logging R.R., 100 ft. N. of milepost 23, 9 ft. E. of track, on top of large sandstone rock; chiseled square	995.55
Alley, 6.4 mi. N. of, on E. side of rd., in root of black-oak tree; copper nail	1,105.69
Alley, 4.5 mi. N. of, at foot of long hill, at crossing of old logging R.R. on E. side of rd., on sandstone rock; chiseled square	887.58
Alley, 3.6 mi. N. of, 0.3 mi. N. of trail, 25 ft. E. of rd., opposite old cabin, in sandstone ledge; standard tablet stamped "Mo 828"	828.024
Alley, 2.5 mi. N. of, 6 ft. W. of rd., in root of black-oak tree; copper nail	772.10
Alley, 1.8 mi. N. of, 90 ft. S. of junction of Alley-Summersville and Alley-Ink rds., in root of white-oak tree; copper nail	736.99
Alley, 0.6 mi. N. of, 150 ft. W. of farmhouse of Link Barton, 20 ft. S. of rd., in root of black-oak tree; copper nail	705.03
Alley, 300 ft. E. of post office, 100 ft. N. of flour mill, 25 ft. E. of rd., in ledge; standard tablet stamped "Mo 675"	675.162
Alley, 1.2 mi. E. of, 60 ft. S. of junction of old and new rds., in fence line, in root of 24-in. white-oak tree; copper nail	656.77

5. FROM ALLEY SOUTHWEST TO SOUTH BORDER OF QUADRANGLE

Alley, 1.1 mi. S. of, along Birch Tree Road, 300 ft. S. of dwelling of A. G. Drewell, 25 ft. SW. of blacksmith shop, in root of walnut tree; copper nail	688.29
Alley, 2.3 mi. S. of, along Birch Tree Road, 20 ft. W. of rd., in root of 12-in. white-oak tree; copper nail	782.07

	Feet
Alley, 3.4 mi. S. of, at farmhouse of K. Honeycutt, in foundation of large, stone chimney; standard tablet stamped "Mo 1020"	1,020.117
Birch Tree, 9.2 mi. N. of, on ridge rd., 1.7 mi. S. of farmhouse of K. Honeycutt, 7 ft. W. of rd., in root of white-oak tree; nail	1,033.14
Birch Tree, 8 mi. N. of, on ridge rd., 2.9 mi. S. of farmhouse of K. Honeycutt, 15 ft. W. of rd., in root of black-oak tree; copper nail	1,052.36
Birch Tree, 7.2 mi. N. of, on ridge rd., 3.7 mi. S. of farmhouse of K. Honeycutt, in forks of rd.; iron post stamped "Mo 1077"	1,076.513
Birch Tree, 6.2 mi. N. of, on ridge rd., 1.7 mi. N. of dwelling of William Larew, 3 ft. E. of rd., in root of black-oak tree; copper nail	1,095.82
Birch Tree, 5.3 mi. N. of, on ridge rd., 0.8 mi. N. of dwelling of William Larew, on W. side of rd., in root of black-oak tree; copper nail	1,129.44
Birch Tree, 4.5 mi. N. of, in SW. corner of front yard of William Larew, 1 ft. from corner fence post, in flint rock set flush with surface of ground; standard tablet stamped "Mo 1120"	1,120.115
Birch Tree, 3.5 mi. N. of, on new rd., 1 mi. S. of dwelling of William Larew, near W. fence line, in root of 14-in. black-oak tree; copper nail	1,074.54
Birch Tree, 1.8 mi. N. of, at SW. corner of T-rd. W., in root of white-oak tree; copper nail	1,166.42

6. FROM EAST BORDER OF QUADRANGLE WEST TO POINT 5.8 MILES NORTH OF SHAWNEE POST OFFICE (by M. J. Harden in 1924)

Current River, 0.8 mi. E. of, on E. side of rd., near slough, in root of 8-in. walnut tree; copper nail and washer	572.42
Current River, 50 ft. W. of Eminence rd. crossing, in root of 30-in. sycamore tree; copper nail and washer	577.63
Junction of Current River and Jacks Fork, 150 ft. SE. of, in root of 26-in. white-oak tree; copper nail and washer	587.00

7. FROM EAST BORDER OF QUADRANGLE WEST TO SHAWNEE POST OFFICE

Shawnee, 100 ft. E. of post office, on N. side of rd., in root of 14-in. black-oak tree; copper nail and washer	828.98
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8. FROM WINONA JUNCTION SOUTHEAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO SOUTH BORDER OF QUADRANGLE (leveled twice by L. V. Johnson in 1931)

Winona, 1.8 mi. W. of, along St. Louis-San Francisco Ry., in center of wooden support at S. side of trestle 330.2; copper nail and washer	960.35
Winona, 1.1 mi. W. of, along St. Louis-San Francisco Ry., in wooden wing wall at NE. corner of trestle 330.9; copper nail and washer	944.64

(Continued in Bandyville quadrangle; see line 6.)

9. IN NORTHWEST CORNER OF QUADRANGLE EAST TO STATE HIGHWAY 19 (by S. T. Tudor in 1936)
(Continued from Sinkin quadrangle; see line 3.)

Ink, 1.1 mi. S. of, 15 ft. W. of old rd., 40 ft. E. of proposed county route, in root on E. side of triangular-blazed 18-in. black-oak tree; copper nail and washer	1,016.62
Old rd., 10 ft. E. of, 45 ft. E. of proposed county route, in root on W. side of 16-in. black-oak tree; nails	1,104.50
Ink, 2 mi. S. of, 30 ft. E. of old rd., 40 ft. E. of proposed county route, in root on NE. side of triangular-blazed 15-in. oak tree; copper nail and washer	1,113.52
Old rd., 10 ft. E. of, 50 ft. E. of proposed county route, in root on NW. side of 30-in. black-oak tree; nails	1,141.24
T. 29 N., R. 5 W., in NE $\frac{1}{4}$ sec. 3, 4.5 mi. W. of junction of State Highway 19 and County Route D, 650 ft. N. and 40 ft. E. from Route D at new rd. N. to Ink, 70 ft. N. of old R.R. grade crossing, in concrete post; standard tablet stamped "1146" (this monument replaces old iron post stamped "1914 Mo 1145" which has been destroyed)	1,146.074
Reference mark, 80 ft. S. and 10 ft. E. from tablet, in root on W. side of 24-in. black-oak tree; copper nail and washer	1,148.65
T. 29 N., R. 5 W., in sec. 2, 40 ft. N. of County Route D, in root on S. side of triangular-blazed 24-in. oak tree; copper nail and washer	1,133.46
T. 29 N., R. 5 W., in NW $\frac{1}{4}$ sec. 1, about 2.2 mi. W. of junction of State Highway 19 and County Route D, 40 ft. S. and 120 ft. E. from Route D at farm entrance, 37 ft. N. of NE. corner of farmyard, in concrete post; standard tablet stamped "1821 E R A 1935"	1,092.283
T. 29 N., R. 4 W., in sec. 6, 60 ft. S. and 150 ft. E. from County Route D at farm entrance S., in root on W. side of 12-in. oak tree; copper nail and washer	1,082.42
U.S.C. & G.S. standard disk stamped "X 50 1934"	1,113.174

10. IN NORTHWEST CORNER OF QUADRANGLE FROM SPUR SOUTHWEST TO WEST BORDER

Junction of County Route D and old R.R. grade, 50 ft. S. of, in root on N. side of 24-in. black-oak tree; nails	1,127.61
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	Feet
Gladden, 1.8 mi. S. of, along Eminence-Salem rd., 40 ft. S. of dwelling of William Vance, 12 ft. W. of fence, in root of 20-in. black-oak tree; copper nail	1,291.63
Gladden, 2.1 mi. S. of, along Eminence-Salem rd., 205 ft. E. of dwelling of Hugh Vance, 20 ft. N. of rd., in sandstone ledge; standard tablet	1,291.507
Gladden, 2.5 mi. S. of, along Eminence-Salem rd., in valley 200 ft. wide, about 250 ft. N. of 24-in. pine tree, 100 ft. W. of 24-in. pine tree, in root of white-oak tree; copper nail	1,174.92
Gladden, 3.7 mi. S. of, along Eminence-Salem rd., on W. side of rd. across from dwelling of Neil Asbridge, 2 ft. W. of black-oak tree used for telephone pole, on sandstone ledge; chiseled square	1,047.58
Gladden, 4.1 mi. S. of, along Eminence-Salem rd., 100 ft. W. of short-cut rd., 20 ft. E. of old rd., on large, flint rock; chiseled square	996.12
Gladden, 5.8 mi. S. of, along Eminence-Salem rd., at S. end of cut-off, about 600 ft. SE. of dwelling of Brice Smith, on W. side of rd., 10 ft. N. of creek bank, 2 ft. E. of fence, in top of limestone post; standard tablet stamped "Mo 953"	953.098
Gladden, 6.6 mi. S. of, along Eminence-Salem rd., about 0.2 mi. E. of dwelling of Sam Boyd, 100 ft. W. of rd., in open, cultivated field, in root of forked 2-in. walnut tree; copper nail	924.83
Gladden, 7.2 mi. S. of, along Eminence-Salem rd., 0.2 mi. S. of dwelling of Charles Taylor, on E. side of rd., in creek, on limestone ledge; chiseled square	906.09
Timber, 8.1 mi. N. of, along Eminence-Salem rd., 12 ft. E. of rd. forks, directly opposite dwelling of Harvey Stick, at milepost marked "Salem 22 mi., Ink 12 mi.", in root of black-oak tree; copper nail	877.02
Timber, 7.2 mi. N. of, along Eminence-Salem rd., 0.5 mi. N. of dwelling of Lewis Carney, on W. side of rd., in root of walnut tree; copper nail	858.10
Timber, 6.8 mi. N. of, along Eminence-Salem rd., 12 ft. E. of SE. corner of Carven's store, in foundation stone; standard tablet stamped "Mo 873"	871.754
Timber, 5.7 mi. N. of, along Eminence-Salem rd., 100 ft. E. of creek, at ford near dwelling of John Ellerman, 10 ft. N. of rd., 1 ft. S. of 8-in. walnut tree, on limestone ledge; chiseled square	831.07
Timber, 4.6 mi. N. of, along Eminence-Salem rd., 100 ft. N. of dwelling of Bob Thompson, directly opposite spring, on ledge; chiseled square	808.51
Timber, 3.7 mi. N. of, along Eminence-Salem rd., on S. side of rd., in root of white-oak tree; spike	782.79
Timber, 2.8 mi. N. of, along Eminence-Salem rd., in SW. corner of yard of James Crisco, in limestone post set flush with ground; standard tablet stamped "Mo 772"	770.679
Timber, 2.1 mi. N. of, along Eminence-Salem rd., on N. side of rd., 500 ft. S. of dwelling of Bill Count, in root of white-oak tree; copper nail	748.51
Timber, 1.2 mi. N. of, along Eminence-Salem rd., about 500 ft. S. of dwelling of Jim Wood, 5 ft. SE. of corner fence post, on limestone rock; chiseled square	734.78
Timber, 150 ft. N. of post office, 20 ft. N. of NW. corner of dwelling of C. F. Williams, in flint rock; standard tablet stamped "Mo 730"	729.751
Timber, 1 mi. S. of, along Eminence-Salem rd., on N. side of rd., directly opposite dwelling of Tom Conoway, in fence line, in root of elm tree; spike	708.55
Timber, 2.1 mi. S. of, along Eminence-Salem rd., 25 ft. SW. of Union Hill School, in root of walnut tree; half muleshoe	711.96
Timber, 3.2 mi. S. of, along Eminence-Salem rd., opposite dwelling of G. W. Morrow, at mail box, in walnut tree; 2-in. piece of steel	684.18
Timber, 4.3 mi. S. of, along Eminence-Salem rd., 0.4 mi. N. of ford across Current River, on S. side of rd., in root of 24-in. white-oak tree; spike	679.10
Timber, 4.7 mi. S. of, along Eminence-Salem rd., on S. side of ford across Current River, 20 ft. S. of rd., in base of cliff, 2 ft. above ground; standard tablet stamped "Mo 673"	672.276
Current River; surface of water June 10, 1914	666.8
Timber, 5.9 mi. S. of, along Eminence-Salem rd., 0.4 mi. N. of dwelling of Jack Cox, on W. side of rd., in root of 72-in. hollow, sycamore tree; half muleshoe	687.36
Timber, 6.8 mi. S. of, along Eminence-Salem rd., 0.5 mi. S. of dwelling of Jack Cox, 70 ft. W. of abandoned R.R. grade, 5 ft. W. of rd., in root of white-oak tree; nail	706.48
Angeline, 6.4 mi. N. of, along Eminence-Salem rd., 1.5 mi. S. of dwelling of Jack Cox, 25 ft. W. of rd., 25 ft. W. of abandoned R.R. grade, in limestone ledge; standard tablet stamped "Mo 755"	754.485
Angeline, 5.3 mi. N. of, along Eminence-Salem rd., 0.2 mi. N. of dwelling, 100 ft. E. of abandoned R.R. grade, 25 ft. E. of rd., in root of elm tree; copper nail	815.05

(Continued in Eminence quadrangle; see line 2.)

2. EAST ALONG EAST HALF OF NORTH BORDER OF QUADRANGLE (by Cornish Beck in 1935)

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

T. 32 N., R. 4 W., in NE $\frac{1}{4}$ sec. 2, 60 ft. S. of old State Highway 72 at dim rd. SW., in root on E. side of 26-in. black-oak tree; copper nail and washer	1,393.35
T. 32 N., R. 4 W., in NE $\frac{1}{4}$ sec. 2, 620 ft. W. along old State Highway 72 from junction of rd. N., 27 ft. N. of rd., in root on S. side of 14-in. post-oak tree; copper nail and washer	1,369.05
T. 32 N., R. 4 W., in SE $\frac{1}{4}$ sec. 1, 100 ft. W. of rd. SW., in root on S. side of 20-in. black-oak tree; copper nail and washer	1,339.09

Turtle, 7 mi. SE. of, 100 ft. N. and 600 ft. E. from SW. cor. sec. 6, T. 32 N., R. 3 W., 15 ft. N. of old State Highway 72, 6 ft. E. of fence corner, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 359 C W A 1934"	<u>Feet</u> 1,307.336
T. 33 N., R. 4 W., in SW $\frac{1}{4}$ sec. 36, 25 ft. E. of rd., in root on SW. side of 16-in. post-oak tree; copper nail and washer	1,417.59
T. 33 N., R. 4 W., about 660 ft. S. of NE. cor. sec. 36, on Dent-Reynolds county line, 15 ft. S. of rd., in root on N. side of 14-in. white-oak tree; copper nail and washer	1,439.88
T. 33 N., R. 3 W., in NW $\frac{1}{4}$ sec. 32, at crest of hill, 45 ft. E. of new State Highway 72, in root on SW. side of 16-in. blackjack-oak tree; copper nail and washer	1,381.70
U.S.C. & G.S. standard disk stamped "L 115 1935"	1,325.765

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

3. IN SOUTHWEST CORNER OF QUADRANGLE (by S. T. Tudor in 1936)
(Continued from Cedar Grove quadrangle; see line 5.)

Top of steep hill, 10 ft. N. of rd., in root on S. side of 12-in. post-oak tree; nail	1,048.20
Ink, 0.2 mi. S. of post office, in NW $\frac{1}{4}$ sec. 34, T. 30 N., R. 5 W., 170 ft. S. of ford across creek, 70 ft. S. of triangular-blazed 30-in. oak tree, 10 ft. W. of rd.; iron post stamped "Prim Trav Sta No 9 1914 Mo"	828.171
Reference mark, 60 ft. N. of post, in root on E. side of 48-in. black-oak tree; copper nail and washer	823.72
Top of ridge, 10 ft. S. and 10 ft. W. from rd. corner W. to S., in root on E. side of 36-in. black-oak tree; nail	949.65

(Continued in Eminence quadrangle; see line 9.)

4. FROM POINT NEAR CENTER OF NORTHWEST QUARTER OF QUADRANGLE EAST TO EAST BORDER (by Charles E. Hunter in 1936)

U.S.C. & G.S. standard disk stamped "P 50 1934"	1,257.868
State Highway 19 at rd. SW., 60 ft. S. of, in root on N. side of 16-in. black-oak tree; copper nail	1,204.61
T. 31 N., R. 5 W., in NE $\frac{1}{4}$ sec. 3, 50 ft. N. and 35 ft. E. from State Highway 19 at crossroad, in root on S. side of 16-in. black-oak tree; copper nail and washer	1,204.75
U.S.C. & G.S. standard disk stamped "N 50 1934"	1,217.901
T. 31 N., R. 5 W., in NE $\frac{1}{4}$ sec. 2, 20 ft. S. of rd., at bottom of hill, in root on W. side of 16-in. post-oak tree; copper nail and washer	1,021.39
T. 31 N., R. 5 W., in NW $\frac{1}{4}$ sec. 1, 10 ft. E. of T-rd. W., at bottom of hill, in root on NW. side of 16-in. pin-oak tree; copper nail and washer	924.91
Sinkin, 2.2 mi. NW. of, along Rector-Sinkin rd., in NE $\frac{1}{4}$ sec. 1, T. 31 N., R. 5 W., near foot of hill, 10 ft. S. of rd. at end of E.-W. lane, in field of C. A. Banks, 2 ft. S. of fence, in concrete post; standard tablet stamped "T T 1608 E R A 1935"	910.289
T. 31 N., R. 4 W., near center sec. 6, about 125 ft. W. of creek, 5 ft. S. and 25 ft. W. from T-rd. E., in root on N. side of 14-in. hickory tree; copper nail and washer	903.26
Top of hill, 10 ft. N. of logging rd., in root on S. side of 24-in. white-oak tree; lead-headed nail	1,128.11
T. 31 N., R. 4 W., near quarter cor. between secs. 5 and 6, on ridge, 15 ft. S. of logging rd., at curve, in root on NE. side of triangular-blazed 8-in. oak tree; copper nail and washer	1,166.79
T. 31 N., R. 4 W., in NE $\frac{1}{4}$ sec. 5, 5 ft. S. and 35 ft. W. from T-rd. N., in root on N. side of 16-in. white-oak tree; copper nail and washer	1,196.95
Rd. forks, 10 ft. N. of, in root on SE. side of 12-in. black-oak tree; lead-headed nail	1,209.41
T. 31 N., R. 4 W., in sec. 9, on top of ridge, in triangle formed by logging rds. E., W., and N., in concrete post; standard tablet stamped "T T 1609 E R A 1935"	1,227.045
Logging rd., 8 ft. N. of, in root on S. side of triangular-blazed 16-in. post-oak tree; lead-headed nail	1,183.24
T. 31 N., R. 4 W., in NE $\frac{1}{4}$ sec. 4, 55 ft. N. and 100 ft. W. from rd. fork W., in root on NE. side of 12-in. black-oak tree; copper nail and washer	1,220.13
T. 32 N., R. 4 W., in SW $\frac{1}{4}$ sec. 34, in small triangle formed by T-rd. N., in root on S. side of 18-in. white-oak tree; copper nail and washer	919.14
Rd. fork SE., 35 ft. S. of, in root on E. side of 8-in. elm tree; lead-headed nail	918.62
T. 32 N., R. 4 W., in SW $\frac{1}{4}$ sec. 35, 95 ft. W. of ford across Little creek, 163 ft. N. 10° E. of NW. corner of dwelling of J. A. Stagner, 25 ft. S. of graded rd., in concrete post; standard tablet stamped "T T 1610 E R A 1935"	969.130
T. 32 N., R. 4 W., near center sec. 36, 35 ft. W. of junction of graded rd. E., near top of hill, in root on SE. side of 14-in. black-oak tree; copper nail and washer	1,196.62
Dim rd. fork E., 20 ft. S. and 10 ft. E. from, on top of hill, in root on NE. side of 10-in. black-oak tree; lead-headed nail	1,231.82
T. 31 N., R. 4 W., in NE $\frac{1}{4}$ sec. 1, 50 ft. S. and 15 ft. E. from rd. fork E., in root on W. side of 12-in. hickory tree; copper nail and washer	1,192.49
Top of ridge, 15 ft. W. of rd., in root on NE. side of 12-in. hickory tree; lead-headed nail	1,136.63
T. 31 N., R. 3 W., in NW $\frac{1}{4}$ sec. 7, on farm of L. N. Karr, 25 ft. E. of rd. fork N., 4 ft. N. of baryard fence, in corner of field, in concrete post; standard tablet stamped "T T 1611 E R A 1935"	897.376
T. 31 N., R. 3 W., near center sec. 6, 15 ft. N. and 140 ft. W. from rd. fork NW., 15 ft. N. and 40 ft. W. from ford across small creek, in root on N. side of 18-in. oak tree; copper nail and washer	889.34

T. 32 N., R. 3 W., S. cor. secs. 31 and 32, 5 ft. S. and 25 ft. E. from end of County Route A, rd. W., and dim rd. E., on bank of creek, in root on N. side of 16-in. oak tree; copper nail and washer	898.29
Ford across creek, 35 ft. N. and 15 ft. W. from, at fence corner, in root on W. side of 10-in. walnut tree; lead-headed nail	927.33
T. 31 N., R. 3 W., in NE $\frac{1}{4}$ sec. 4, on top of ridge, 15 ft. S. and 10 ft. W. from rd. forks NW., E., and S., in root on NE. side of 12-in. oak tree; copper nail and washer	1,207.68
T. 31 N., R. 3 W., in NE $\frac{1}{4}$ sec. 4, 0.5 mi. S. of Dent-Shannon county line, on top of E.-W. ridge, 25 ft. S. of forks of logging rds., in concrete post; standard tablet stamped "T T 1612 E R A 1935"	1,264.930
Graded rd. at old rd. W., 40 ft. N. and 60 ft. W. from, in root on S. side of 14-in. white-oak tree; lead-headed nail	1,283.96
T. 31 N., R. 3 W., in NE $\frac{1}{4}$ sec. 3, on top of ridge, 30 ft. E. of graded rd., in root on N. side of 12-in. black-oak tree; copper nail and washer	1,299.86

5. SOUTH ALONG EAST BORDER OF QUADRANGLE INCLUDING THAT PART OF THE LINE IN CORRIDON QUADRANGLE

T. 31 N., R. 3 W., in NE $\frac{1}{4}$ sec. 9, 10 ft. N. and 30 ft. W. from graded rd. at rd. S., in root on N. side of 10-in. white-oak tree; copper nail and washer	1,248.84
Top of ridge, 10 ft. E. of rd., in root on E. side of 10-in. white-oak tree; lead-headed nail	1,235.59
T. 31 N., R. 3 W., near cor. secs. 9, 10, 15, and 16, 25 ft. N. and 20 ft. E. from rd. fork about 50 ft. NW. of Mill Creek, in root on W. side of 8-in. black-oak tree; copper nail and washer	976.77
Bunker, 8.3 mi. S. and W. of, by rd., in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 31 N., R. 3 W., about 520 ft. E. of Conway dwelling, 12 ft. N. and 100 ft. E. from rd. fork W., 4 ft. S. and 15 ft. E. from rail-fence corner, in concrete post; standard tablet stamped "T T 11 J J 1936"	934.717
Reference mark 1, on bank of Mill Creek, at rd. fork NW., in root on N. side of 24-in. sycamore tree; copper nail and washer	925.49
Reference mark 2, 20 ft. S. and 15 ft. E. from ford across Mill Creek, in root on N. side of 6-in. maple tree; copper nail and washer	926.43
Rd. fork SW., 45 ft. S. of, in front of small house, on bank of Mill Creek, in root on N. side of 12-in. walnut tree; lead-headed nail	909.05
Rat, 1.5 mi. W. of, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 31 N., R. 3 W., near junction of Big Creek and Mill Creek, 45 ft. N. and 15 ft. W. from rd. junction, 3 ft. N. and 10 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 12 J J 1936"	881.489
Reference mark 1, 40 ft. N. and 30 ft. W. from T-rd. N. at ford, in root at crotch of 12-in. twin maple tree; copper nail and washer	880.17
Reference mark 2, S. across rd. from reference mark 1, in root on N. side of 12-in. elm tree; copper nail and washer	878.11
Rat, 0.5 mi. W. of post office, in SE $\frac{1}{4}$ sec. 22, T. 31 N., R. 3 W., 30 ft. S. and 85 ft. W. from rd. forks near log barn, in root on N. side of 8-in. butternut tree; copper nail and washer	902.95
Rat, about 800 ft. N. of post office, near center sec. 23, T. 31 N., R. 3 W., 15 ft. N. and 80 ft. E. from T-rd. S., in root on SE. side of 22-in. black-oak tree; copper nail and washer	918.47
Rat, 0.8 mi. SE. of post office, along rd. to Midridge, in NE $\frac{1}{4}$ sec. 26, T. 31 N., R. 3 W., 90 ft. S. and 30 ft. E. from rd. fork W., in root on N. side of 12-in. white-oak tree; copper nail and washer	1,243.27
Rd. fork W., 20 ft. N. and 60 ft. W. from, in root on NE. side of 20-in. white-oak tree; lead-headed nail	1,246.80
Rd. forks on top of ridge, 20 ft. N. and 15 ft. E. from, in root on S. side of 6-in. black-oak tree; lead-headed nail	1,274.00
Midridge, 1 mi. N. of, along Missouri Southern R.R., in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 31 N., R. 3 W., 26 ft. S. and 22 ft. W. from R.R. at crossing of Midridge-Rat rd., 12 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 16 J J 1936"	1,258.082
T-rd. E., 120 ft. N. and 120 ft. W. from, in old field, in root on SE. side of 10-in. walnut tree; lead-headed nail	1,249.33
Crossroads, 35 ft. N. and 15 ft. W. from, in root on E. side of 6-in. black-oak tree; lead-headed nail	1,236.24
Midridge, in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, T. 31 N., R. 3 W., 60 ft. N. and 5 ft. E. from NW. corner of schoolhouse, in root on W. side of 20-in. black-gum tree; copper nail and washer	1,214.75
Midridge, 1.4 mi. S. of, in SE $\frac{1}{4}$ sec. 1, T. 30 N., R. 3 W., 25 ft. N. and 5 ft. E. from rd. forks, in root on W. side of 12-in. white-oak tree; copper nail and washer	1,179.13
Midridge, about 2.5 mi. S. of, in SW $\frac{1}{4}$ sec. 7, T. 30 N., R. 2 W., 8 ft. E. of rd., on top of knob at end of ridge, in root on W. side of 14-in. white-oak tree; copper nail and washer	1,124.32
Midridge, 3.6 mi. S. of, in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 30 N., R. 2 W., at junction of Blair Creek and Laxton Creek, 80 ft. S. and 160 ft. W. from rd. forks, 56 ft. S. and 11 ft. E. from dwelling of Sherd Phillips, in concrete post; standard tablet stamped "T T 17 J J 1936"	829.058
T. 30 N., R. 3 W., in NE $\frac{1}{4}$ sec. 24, 110 ft. N. and 40 ft. E. from ford across Blair Creek at mouth of hollow, in root on W. side of 12-in. white-oak tree; copper nail and washer	799.74
T. 30 N., R. 3 W., in SE $\frac{1}{4}$ sec. 24, 20 ft. E. of rd. forks near farmhouse, in fence corner, in root on N. side of 20-in. walnut tree; copper nail and washer	791.08
T. 30 N., R. 3 W., in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, 15 ft. S. and 15 ft. W. from rd. forks, on bank of Blair Creek, about 200 ft. S. of small farmhouse, in root on W. side of 16-in. maple tree; copper nail and washer	761.90
William's store, 0.2 mi. NW. of, in NW $\frac{1}{4}$ sec. 31, T. 30 N., R. 2 W., 20 ft. S. and 40 ft. W. from ford across Blair Creek, in root on N. side of 18-in. sycamore tree; copper nail and washer	729.06

6. FROM POINT NEAR CENTER OF EAST BORDER OF QUADRANGLE SOUTHWEST TO SOUTH BORDER

Rd. forks, 15 ft. S. and 15 ft. W. from, at ford across Big Creek, in root on E. side of 12-in. maple tree; lead-headed nail	Feet 868.65
T. 31 N., R. 3 W., in SE $\frac{1}{4}$ sec. 28, 80 ft. N. and 20 ft. W. from rd. fork E., on bank of Big Creek, in front of small dwelling, in root on E. side of 24-in. maple tree; copper nail and washer	851.21
Ford across Big Creek, 75 ft. W. of, opposite rd. fork E., in front of small log dwelling, in root on E. side of 20-in. walnut tree; lead-headed nail	842.27
T. 31 N., R. 3 W., in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, 55 ft. N. and 70 ft. E. from T-rd. SE., on bank of Big Creek, in root on N. side of 20-in. walnut tree; copper nail and washer	829.91
T. 31 N., R. 3 W., in SE $\frac{1}{4}$ sec. 32, at junction of Brushy-Rat rd. and rd. made by CCC, 10 ft. N. and 1 ft. E. from SW. corner of low-water concrete bridge; standard tablet stamped "T T 13 J 1936"	815.952
Reference mark 1, 50 ft. E. of bridge, at end of rd., in root on N. side of 30-in. post-oak tree; copper nail and washer	815.02
Reference mark 2, at gate, in root on S. side of 20-in. sycamore tree; copper nail and washer	815.10
Rd. forks, 10 ft. N. and 50 ft. W. from, on bank at ford across Big Creek, in root on SW. side of 12-in. pin-oak tree; lead-headed nail	807.56
T. 31 N., R. 3 W., near center of SW $\frac{1}{4}$ sec. 32, 10 ft. S. and 50 ft. E. from rd. forks, in front of dwelling, in root on W. side of 24-in. white-oak tree; copper nail and washer	829.46
T. 30 N., R. 3 W., in NW $\frac{1}{4}$ sec. 6, 10 ft. N. and 20 ft. W. from rd. forks on bank of Big Creek, opposite dwelling, in root on E. side of 12-in. pin-oak tree; copper nail and washer	782.46
T-rd. E., 140 ft. W. of, on bank of Big Creek, at N. edge of Mauser Mills, in front of cabin, in root on E. side of 12-in. twin sycamore tree; lead-headed nail	772.34
Cedar Hill School, in NW $\frac{1}{4}$ sec. 7, T. 30 N., R. 3 W., 51 ft. S. and 48 ft. W. from SW. corner of schoolhouse, in limestone boulder; standard tablet stamped "T T 14 J J 1936"	780.972
Junction of Big Creek and Round Springs rds., 15 ft. N. and 225 ft. E. from, in root on W. side of 16-in. walnut tree; lead-headed nail	764.66
T. 30 N., R. 4 W., in SW $\frac{1}{4}$ sec. 12, 90 ft. S. and 15 ft. W. from rd. fork SE., on bank of Big Creek, in root on S. side of 6-in. hickory tree; copper nail and washer	757.72
Dim T-rd. E., 30 ft. S. and 10 ft. E. from, in root on W. side of 6-in. ash tree; lead-headed nail	748.09
T. 30 N., R. 4 W., near center of SW $\frac{1}{4}$ sec. 13, about 400 ft. E. of log dwelling at mouth of hollow, 60 ft. N. and 20 ft. E. from rd. forks, in root on SE. side of 16-in. sycamore tree; copper nail and washer	733.06
Ford across Big Creek, 100 ft. SE. of, 50 ft. S. of rd. forks, in root on SW. side of 16-in. ash tree; lead-headed nail	726.21
T. 30 N., R. 4 W., in SE $\frac{1}{4}$ sec. 24, 135 ft. S. and 100 ft. W. from rd. forks, on bank of Big Creek, in front of small dwelling, in root on W. side of 16-in. elm tree; copper nail and washer	722.47
Rd. forks, 70 ft. S. and 15 ft. W. from, on bank of Big Creek, in root on E. side of oak tree; lead-headed nail	713.30
T. 30 N., R. 3 W., in SW $\frac{1}{4}$ sec. 30, in triangle formed by rd. forks, near dwelling, in root on SW. side of 10-in. elm tree; copper nail and washer	701.42
T. 30 N., R. 4 W., in NW $\frac{1}{4}$ sec. 24, 0.4 mi. W. of old Meade place, 78 ft. N. and 335 ft. W. from junction of Current River and Big Creek rds., in limestone ledge; standard tablet stamped "T T 15 J J 1936"	702.344
Rd. forks, 10 ft. N. and 45 ft. W. from, at foot of hill, in root on S. side of 10-in. white-oak tree; lead-headed nail	737.70
T. 30 N., R. 4 W., in NW $\frac{1}{4}$ sec. 25, on top of ridge, 35 ft. N. and 20 ft. W. from dim rd. forks, in root on W. side of 12-in. black-oak tree; copper nail and washer	1,024.44
Rd. forks, 30 ft. S. and 15 ft. W. from, at foot of ridge, in root on S. side of 14-in. oak tree; lead-headed nail	673.56
Current River, on bank of, in root on N. side of 16-in. sycamore tree; copper nail and washer	653.63
T. 30 N., R. 4 W., in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, near end of ford across Current River, 50 ft. E. of rd., near dwelling of W. J. Randolph, in root on NW. side of 10-in. walnut tree; copper nail and washer	653.81
Current River at ford; surface of water at 12:15 p.m. April 16, 1936	649.8
T. 30 N., R. 4 W., in NE $\frac{1}{4}$ sec. 35, about 400 ft. W. of Current River, in small triangle at rd. forks, in root on N. side of 26-in. white-oak tree; copper nail and washer	664.46

(Continued in Eminence quadrangle; see line 11.)

7. FROM POINT IN NORTHWEST QUARTER OF QUADRANGLE WEST TO WEST BORDER (leveled twice)

T. 31 N., R. 5 W., in NE $\frac{1}{4}$ sec. 3, 50 ft. N. and 35 ft. E. from State Highway 19 at crossroad, in root on S. side of 16-in. black-oak tree; copper nail and washer	1,204.75
T. 31 N., R. 5 W., in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, 20 ft. N. and 5 ft. W. from rd. forks, in root on SE. side of 16-in. black-oak tree; copper nail and washer	1,037.12

(Continued in Cedar Grove quadrangle; see line 6.)

8. IN SOUTHWEST CORNER OF QUADRANGLE

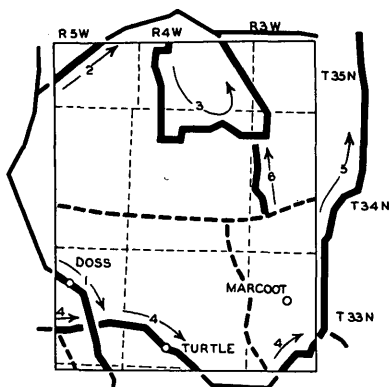
(Continued from Cedar Grove quadrangle; see line 7.)

	<u>Feet</u>
Ink, about 5.6 mi. N. of, on bench at point of ridge, 12 ft. W. of rd., in root on W. side of triangular-blazed 12-in. blackjack-oak tree; copper nail and washer	1,059.11
Rd. forks, 40 ft. N. and 10 ft. W. from, in root on S. side of 10-in. post-oak tree; lead-headed nail	1,137.88
Ink, about 4.7 mi. N. of, 45 ft. S. and 20 ft. E. from rd. forks, in root on W. side of 16-in. black-oak tree; copper nail and washer	1,155.39
Ink, 3.6 mi. N. of, in NE $\frac{1}{4}$ sec. 22, T. 30 N., R. 5 W., 10 ft. S. and 10 ft. E. from rd. fork W., 6 ft. S. and 6 ft. E. from triangular-blazed 15-in. oak tree, in concrete post; standard tablet stamped "T T 20 J J 1936"	1,160.522
Ink, about 2.7 mi. NE. of, 15 ft. S. and 15 ft. E. from rd. forks, in root on S. side of 8-in. black-oak tree; copper nail and washer	1,158.19
Ink, 1.7 mi. NE. of, 65 ft. S. of rd. forks, in root on W. side of 14-in. post-oak tree; copper nail and washer	1,115.63
Ink, 1 mi. NE. of, 10 ft. E. of T-rd. W., in root on SW. side of 18-in. oak tree; copper nail and washer	820.90

For additional level lines along State Highways 19 and 72, refer to U.S. Coast and Geodetic Survey second-order lines, Cuba to Eminence and Van Buren to Stone Hill.

STONE HILL QUADRANGLE
(Latitude 37°30'–37°45'; longitude 91°15'–91°30')

Crawford, Dent, and Reynolds Counties



1. IN SOUTHWEST QUARTER OF QUADRANGLE (by E. C. Bibbee in 1914)

(Continued from Salem quadrangle; see line 1.)

Salem, 3.6 mi. S. of, along Eminence-Salem rd., 300 ft. NW. of sec. line, on S. side of old R.R. grade, on sandstone ledge; chiseled square	1,284.14
Salem, 4.4 mi. S. of, along Eminence-Salem rd., in sec. 33, T. 34 N., R. 5 W., on E. side of rd., at junction of rd. E.; iron post stamped "Mo 1259"	1,259.214
Doss, 0.4 mi. N. of, along Eminence-Salem rd., 12 ft. W. of rd., 25 ft. W. of white-oak tree, on rock ledge; chiseled square	1,211.35
Doss, 55 ft. E. of post office, in foundation at NE. corner of office building formerly used as barber shop; standard tablet stamped "Mo 1225"	1,224.885
Doss, 1.3 mi. S. of, along Eminence-Salem rd., about 0.5 mi. SE. of Miner Cemetery, at NE. corner of cross rd., on sandstone ledge; chiseled square	1,278.35
Doss, 2.3 mi. S. of, along Eminence-Salem rd., on Ozark Divide, on W. side of rd., opposite dwelling of R. M. Jackson, in root of white-oak tree; copper nail	1,310.82
Doss, 2.7 mi. S. of, along Eminence-Salem rd., at SW. corner of junction of rd. W., on large rock; chiseled square	1,297.82
Doss, 3.1 mi. S. of, along Eminence-Salem rd., 25 ft. E. of SW. corner of dwelling of Alonzo Edwards, in front yard, in sandstone ledge; standard tablet stamped "Mo 1272"	1,271.764
Gladden, 0.6 mi. N. of, along Eminence-Salem rd., on W. side of rd., in root of 26-in. white-oak tree; copper nail	1,310.15

(Continued in Sinkin quadrangle; see line 1.)

2. IN NORTHWEST CORNER OF QUADRANGLE (by J. M. Lawson in 1933)
(Continued from Salem quadrangle; see line 3.)

	<u>Feet</u>
Howe, 1.2 mi. NE. of, along State Highway 19, 23 ft. S. and 47 ft. W. from junction of dim rd. NW., on top of concrete right-of-way post; painted square	1,210.12
Howe, 1.7 mi. NE. of, along State Highway 19, 4.1 mi. SW. of Short Bend Store, 600 ft. W. of junction of rd. S., 22 ft. S. and 10 ft. E. from junction of rd. SE. through gate to farm of F. H. Smith, in top of E. head wall of stone and concrete culvert; standard tablet stamped "No 1 L 1933 1207"	1,206.834
Reference mark, 34 ft. E. of tablet, on top of concrete right-of-way post; painted square	1,207.70
State Highway 19 at junction of rd. NW., center line of rd.	1,199.2
Short Bend Store, 3.8 mi. SW. of, along State Highway 19, 37 ft. S. of junction of old rd. SW., in ditch, on top of concrete right-of-way post; painted square	1,201.16
Crossroad, top of S. head wall of concrete culvert	1,192.7
Short Bend Store, 2.3 mi. SW. of, along State Highway 19, 100 ft. N. of Lone Star filling station, 25 ft. E. of junction of rd. SE., on top of N. head wall of concrete culvert; chiseled square	1,185.68
Short Bend Store, 1 mi. SW. of, along State Highway 19, 40 ft. S. and 15 ft. W. from junction of rd. to Pine View Resort, on top of W. head wall of concrete culvert; chiseled square	1,162.10
Short Bend Store, 0.5 mi. SW. of, along State Highway 19, 450 ft. W. of highway, 75 ft. SW. of SW. corner of dwelling of John Bigg, in concrete post; standard tablet stamped "P T Sta No 136 S 1927"	1,148.016
Reference mark, 450 ft. E. of tablet, on State Highway 19, 7 ft. S. and 30 ft. E. from private cross rd., on top of E. end of S. head wall of concrete culvert; chiseled square	1,143.86
Short Bend Store, 14 ft. S. of S. corner of, 40 ft. N. and 23 ft. W. from State Highway 19 at junction of rd. E. across Meramec River, on SW. corner of concrete base of gasoline pumps; chiseled square	979.32
Short Bend Store, 0.7 mi. NE. of, along State Highway 19, on top at S. end of W. concrete wing wall of bridge over Meramec River; chiseled square	950.27

(Continued in Steelville quadrangle; see line 6.)

3. LINE FOLLOWING THE WEST, SOUTH, AND EAST BOUNDARIES OF INDIAN TRAIL STATE PARK (by R. P. Thomas in 1934)

T. 35 N., R. 4 W., in S $\frac{1}{2}$ sec. 17, 0.3 mi. S. of rd. to C.C.C. Camp 728, 80 ft. W. of Indian Trail State Park boundary line, in fork of 12-in. twin black-oak tree; copper nail and washer	1,107.12
T. 35 N., R. 4 W., in NW $\frac{1}{4}$ sec. 29, 70 ft. S. of Hudson's garden fence, 50 ft. N. of bank of creek, in root of 40-in. sycamore tree; crossed nails	992.92
T. 35 N., R. 4 W., in NW $\frac{1}{4}$ sec. 29, about 2.5 mi. SE. of State Highway 19, along Fishwater Creek rd., 360 ft. S. of SW. corner of Cooksey dwelling, 2 ft. W. of board fence along lane, in concrete post; standard tablet stamped "T T 305 C W A 1934"	1,017.920
T. 35 N., R. 4 W., in NE $\frac{1}{4}$ sec. 32, 500 ft. E. of Indian Trail State Park boundary line, 100 ft. S. of Fishwater Creek, in root on W. side of 24-in. white-oak tree; copper nail and washer	1,070.84
T. 34 N., R. 4 W., in NW $\frac{1}{4}$ sec. 4, 1.7 mi. S. of C.C.C. Camp 728, 30 ft. E. of rd. forks, in root of 24-in. black-oak tree; copper nail and washer	1,278.72
T. 34 N., R. 4 W., in NW $\frac{1}{4}$ sec. 5, about 700 ft. E. of Baker dwelling, 50 ft. E. of fence corner, 12 ft. N. of creek, in root of 18-in. elm tree; copper nail and washer	1,083.55
T. 34 N., R. 4 W., about 0.6 mi. N. of quarter cor. between secs. 5 and 8, 4.7 mi. W. of C.C.C. Camp 1758, 0.3 mi. S. of rd. forks, on W. slope of hill overlooking Meramec River, 9 ft. W. of Indian Trail State Park boundary fence corner, in concrete post; standard tablet stamped "T T 302 C W A 1934"	1,129.221
T. 34 N., R. 4 W., in NE $\frac{1}{4}$ sec. 4, 0.9 mi. SW. of Kill Pond, 10 ft. from rd., in root of 20-in. black-oak tree; crossed nails	1,257.18
T. 34 N., R. 4 W., near NE. cor. of SW $\frac{1}{4}$ sec. 4, 500 ft. E. of Kill Pond, 10 ft. S. of rd., 6 in. above ground, in 18-in. black-oak stump; copper nail and washer	1,287.66
T. 34 N., R. 4 W., about 1 mi. S. of N. cor. secs. 2 and 3, 1.2 mi. W. of C.C.C. Camp 1758, 0.5 mi. SW. of State Park rd., 71 ft. E. of blazed tree, in concrete post; standard tablet stamped "T T 301 C W A 1934"	1,328.700
T. 34 N., R. 4 W., about 1 mi. S. of N. cor. secs. 1 and 2, 10 ft. S. and 65 ft. W. from entrance to C.C.C. Camp 1758, in 24-in. white-oak stump; copper nail and washer	1,367.09
T. 34 N., R. 3 W., about 1 mi. S. of NW. cor. sec. 6, 1 mi. E., by rd., from C.C.C. Camp 1758, 59 ft. S. of rd., 8 ft. W. of Indian Trail State Park boundary fence, in concrete post; standard tablet stamped "T T 303 C W A 1934"	1,367.168
T. 34 N., R. 3 W., in NE $\frac{1}{4}$ sec. 6, 700 ft. NNE. of dwelling of A. H. Ferrell, 300 ft. N. of corner of rail fence, 40 ft. W. of rd., in 24-in. black-oak stump; copper nail and washer	1,377.97
T. 35 N., R. 3 W., in NW $\frac{1}{4}$ sec. 31, 0.2 mi. S. of Parkview School, 32 ft. N. of gate in fence crossing Sligo rd., 15 ft. E. of rd., in 6-in. black-oak stump; copper nail and washer	1,343.32
T. 35 N., R. 4 W., in NE $\frac{1}{4}$ sec. 25, about 5.7 mi. SE. of Sligo, 0.7 mi. S. of Crooked Creek rd., 575 ft. N. of dwelling of George Huggins, 49 ft. N. of rd. forks, 19 ft. W. of Indian Trail State Park boundary fence, in concrete post; standard tablet stamped "T T 304 C W A 1934"	1,254.353

T. 35 N., R. 4 W., in NE $\frac{1}{4}$ sec. 24, 500 ft. W. of dwelling of W. D. Butts, on N. bank of Crooked Creek, 250 ft. W. of Sligo rd., in wild-cherry tree; copper nail and washer	Feet 1,110.58
T. 35 N., R. 4 W., near E. quarter cor. sec. 14, 500 ft. N. of dwelling of V. M. Sturdevant, 12 ft. W. of Sligo rd., in root of dead hickory tree; copper nail and washer	1,084.32

(Continued in Steelville quadrangle; see line 9.)

4. EAST ALONG SOUTH BORDER OF QUADRANGLE (by Cornish Beck in 1935)
(Continued from Salem quadrangle; see line 8.)

T. 33 N., R. 5 W., in NE $\frac{1}{4}$ sec. 29, 150 ft. W. of T-rd. S., 60 ft. SW. of dwelling, 15 ft. N. of rd., in root on SE. side of 20-in. post-oak tree; copper nail and washer	1,299.02
Turtle, 6 mi. W. of, about 0.2 mi. N. of center sec. 28, T. 33 N., R. 5 W., 19 ft. S. and 49 ft. E. from State Highway 19 at rd. E. to Turtle, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 355 C W A 1934"	1,230.888 1,232.839
U.S.C. & G.S. standard disk stamped "J 50 1934"	
Turtle, about 5 mi. W. of, near center of NW $\frac{1}{4}$ sec. 27, T. 33 N., R. 5 W., 55 ft. N. and 20 ft. W. from T-rd., in root on NE. side of 16-in. post-oak tree; copper nail and washer	1,263.64
Turtle, about 4 mi. W. of, about 700 ft. E. of center sec. 27, T. 33 N., R. 5 W., 15 ft. N. of rd., in rail-fence line, in root on S. side of 6-in. hickory tree; copper nail and washer	1,307.95
Turtle, about 3 mi. W. of, near center sec. 23, T. 33 N., R. 5 W., 20 ft. S. and 25 ft. W. from T-rd. S., in root on NE. side of 28-in. black-oak tree; copper nail and washer	1,283.74
Turtle, 2 mi. W. of, in sec. 24, T. 33 N., R. 5 W., 13 ft. S. and 103 ft. E. from T-rd. N., in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 356 C W A 1934"	1,311.611
Turtle, about 1.2 mi. W. of, about 600 ft. N. of SE. cor. sec. 24, T. 33 N., R. 5 W., 25 ft. S. and 10 ft. E. from rd. forks, in root on NE. side of 26-in. water-oak tree; copper nail and washer	1,322.31
Turtle, in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 30, T. 33 N., R. 4 W., 142 ft. S. of SW. corner of post office, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 357 C W A 1934"	1,391.895
Turtle, 1 mi. SE. of, 40 ft. N. and 20 ft. W. from dim crossroads, in root on W. side of 24-in. post-oak tree; copper nail and washer	1,410.35
Turtle, about 1.7 mi. SE. of, in NW $\frac{1}{4}$ sec. 33, T. 33 N., R. 4 W., 15 ft. S. of rd., 15 ft. W. of dim rd. S., in root on W. side of 16-in. black-oak tree; copper nail and washer	1,269.66
Turtle, about 2.7 mi. SE. of, in NW $\frac{1}{4}$ sec. 34, T. 33 N., R. 4 W., 35 ft. N. of junction of old State Highway 72 and rd. to Turtle, in root on W. side of 26-in. white-oak tree; copper nail and washer	1,218.16
Turtle, 3 mi. SE. of, near center sec. 34, T. 33 N., R. 4 W., 172 ft. E. of N. corner of old Miller dwelling, 20 ft. W. of old State Highway 72, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 358 C W A 1934"	1,339.512

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

Bunker, 6.6 mi. NW. of, in SW $\frac{1}{4}$ sec. 33, T. 33 N., R. 3 W., 29 ft. S. and 108 ft. W. from State Highway 72 at rd. to stove mill of Gus Nash, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 360 C W A 1934"	1,360.128
Bunker, about 5.7 mi. NW. of, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 33 N., R. 3 W., 45 ft. S. and 60 ft. W. from State Highway 72 at rd. SW., in root on NE. side of 14-in. water-oak tree; copper nail and washer	1,356.47
U.S.C. & G.S. standard disk stamped "K 115 1935"	1,323.363

5. LINE NORTH JUST EAST OF EAST BORDER OF QUADRANGLE

Bunker, 4.5 mi. NW. or, in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 33 N., R. 3 W., 45 ft. N. and 27 ft. W. from junction of State Highway 72 and rd. to Crossville Church, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "361 C W A 1934"	1,327.707
Bunker, 4.9 mi. NW. of, about 100 ft. N. of top of ridge, 12 ft. E. of rd. forks, in root on W. side of 18-in. water-oak tree; copper nail and washer	1,270.58
Bunker, 6 mi. NW. of, in NE $\frac{1}{4}$ sec. 26, T. 33 N., R. 3 W., 40 ft. E. of Crossville Church, 6 ft. N. and 32 ft. E. from rd. forks, 80 ft. S. and 60 ft. W. from dwelling of T. E. Baker, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 362 C W A 1934"	1,090.941
T. 33 N., R. 3 W., in W $\frac{1}{2}$ sec. 23, on Howes Mill-West Fork rd., at fence W., in root on E. side of 42-in. elm tree; copper nail and washer	1,078.31
T. 33 N., R. 3 W.; in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, about 40 ft. E. of West Fork Creek, 7 ft. W. of rd., in root on E. side of 24-in. white-oak tree; copper nail and washer	1,125.21
Marcoot, 0.8 mi. NE. of, at foot of hill, 10 ft. N. of rd., in root on S. side of 16-in. white-oak tree; copper nail and washer	1,234.93
Marcoot, 1 mi. NE. of, in SE $\frac{1}{4}$ sec. 10, T. 33 N., R. 3 W., 410 ft. E. of dim crossroads, 30 ft. N. of E.-W. rd., in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 374 C W A 1934"	1,297.252
T. 33 N., R. 3 W., about 540 ft. E. of quarter cor. between secs. 3 and 10, 25 ft. S. of new U.S. Forest Service rd. at rd. S., in root on W. side of 14-in. post-oak tree; copper nail and washer	1,382.88
T. 33 N., R. 3 W., in NW $\frac{1}{4}$ sec. 2, 60 ft. N. and 6 ft. E. from U.S. Forest Service rd. at dim rd. N. to Boss, in root on S. side of 16-in. post-oak tree; copper nail and washer	1,411.90

	<u>Feet</u>
T. 34 N., R. 3 W., in NE $\frac{1}{4}$ sec. 35, 10 ft. N. and 10 ft. W. from cross-roads, in root on S. side of 16-in. post-oak tree; copper nail and washer	1,415.07
Boss, $\frac{3}{4}$ mi. SW. of, 1.5 mi. S. of State Highway 32, along ridge rd. to Marcoot, near center sec. 25, T. 34 N., R. 3 W., near center of triangle formed by junction of three rds., in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 373 C W A 1934"	1,314.915
T. 34 N., R. 3 W., near center sec. 24, 50 ft. S. and 10 ft. W. from junction of rd. SW., 60 ft. N. of junction of dim rd. E., 50 ft. S. and 30 ft. W. from rail-fence corner, in root on E. side of 20-in. water-oak tree; copper nail and washer	1,296.25
T. 34 N., R. 3 W., about 930 ft. S. and 200 ft. W. from quarter cor. between secs. 13 and 24, on abandoned segment of State Highway 32, near curve at T-rd. S., at brush arbor, in root on N. side of 14-in. white-oak tree; copper nail and washer	1,246.78
U.S.C. & G.S. standard disk stamped "F 52 1934"	1,121.914
U.S.C. & G.S. standard disk stamped "E 52 1934"	1,069.480
Boss, near the village of, in NE $\frac{1}{4}$ sec. 18, T. 34 N., R. 2 W., 100 ft. S. and 150 ft. E. from State Highway 32 bridge over Huzzah Creek, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 372 C W A 1934"	1,020.368
T. 34 N., R. 2 W., about 100 ft. N. and 100 ft. W. from S. sixteenth cor. between secs. 5 and 6, about 100 ft. W. of Huzzah Creek, 75 ft. E. of small dwelling, in root on W. side of 16-in. gum tree; copper nail and washer	984.59
T. 34 N., R. 2 W., in NE $\frac{1}{4}$ sec. 6, about 100 ft. N. of Huzzah Creek at ford, 5 ft. N. of old rd., 25 ft. W. of board fence corner, in root on S. side of 34-in. elm tree; copper nail and washer	960.95
T. 34 N., R. 2 W., in NE $\frac{1}{4}$ sec. 6, about 300 ft. S. of turn in rd., 160 ft. N. of fence, 60 ft. S. of creek, in root of 26-in. sycamore tree; copper nail and washer	938.43
Dillard, $\frac{3}{4}$ mi. S. of, along old Boss-Dillard rd., in sec. 36, T. 35 N., R. 3 W., 100 ft. NW. of Huzzah Creek, 75 ft. SE. of right-of-way of new rd., 50 ft. W. of junction of rd. E. to farmhouse, on hillside, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 371 C W A 1934"	931.921
Dillard, 1.5 mi. S. of, in NE $\frac{1}{4}$ sec. 25, T. 35 N., R. 3 W., 20 ft. N. and 20 ft. E. from NE. corner of mill, on limestone ledge; painted cross	899.03
Dillard, 0.3 mi. S. of, in sec. 24, T. 35 N., R. 3 W., 10 ft. N. and 90 ft. E. from Boss-Dillard rd. at rd. E. to ford, in root on W. side of 28-in. elm tree; copper nail and washer	887.60
Dillard, 1 mi. NW. of, in SW $\frac{1}{4}$ sec. 13, T. 35 N., R. 3 W., 90 ft. S. of junction of State Highway 49 and Cherryville-Dillard rd., in concrete post; standard tablet stamped "P T Sta No 118 S 1926"	1,093.119
Reference mark, 40 ft. W. of tablet, in root of small hickory tree; copper nail and washer	1,093.26
6. FROM POINT NEAR CENTER OF EAST HALF OF QUADRANGLE NORTHWEST TO POINT NEAR SOUTHEAST CORNER OF INDIAN TRAIL STATE PARK	
U.S.C. & G.S. standard disk stamped "Penrod Azimuth No 1"	1,381.710
T. 34 N., R. 3 W., in NE $\frac{1}{4}$ sec. 20, 25 ft. N. and 50 ft. W. from rd. forks NW. and NE., in root on S. side of 20-in. white-oak tree; copper nail and washer	1,377.59
T. 34 N., R. 3 W., in NE $\frac{1}{4}$ sec. 18, 5 ft. N. and 30 ft. W. from rd. forks W. and NW., in root on SW. side of 16-in. post-oak tree; copper nail and washer	1,362.19
T. 34 N., R. 3 W., in SW $\frac{1}{4}$ sec. 7, 135 ft. S. of SE. corner of front yard of large dwelling, 5 ft. E. of rd., in root on E. side of 26-in. black-oak tree; copper nail and washer	1,186.86
T. 34 N., R. 3 W., in NE $\frac{1}{4}$ sec. 7, 25 ft. E. of NE. corner of log barn, 15 ft. W. of rd., in root on E. side of 16-in. black-oak tree; copper nail and washer	1,235.61
T. 34 N., R. 3 W., in SE $\frac{1}{4}$ sec. 6, at top of high knoll on ridge, 25 ft. E. of crossroads, in root on N. side of 16-in. post-oak tree; copper nail and washer	1,355.54
T. 34 N., R. 3 W., in sec. 6, on ridge, about 20 ft. SW. of gate to cultivated field, 15 ft. E. of rd., opposite barns, in root on S. side of 30-in. post-oak tree; copper nail and washer	1,374.11

For additional level lines along State Highways 32, 72, and 19, refer to U.S. Coast and Geodetic Survey second-order lines; Ste. Genevieve to Licking, Van Buren to Stone Hill, and Cuba to Eminence.

	<u>Feet</u>
Salem, 7 mi. S. of, along old Montauk rd., 0.8 mi. W. of New Hope School, near center of NE $\frac{1}{4}$ sec. 15, T. 33 N., R. 6 W., 20 ft. S. and 20 ft. E. from T-rd. E., in fence corner, in concrete post; standard tablet stamped "54 G 1931"	1,336.354
Reference mark, 160 ft. N. and 10 ft. W. from T-rd. E., on W. head wall of concrete culvert; chiseled square	1,334.35
Salem, 5.5 mi. S. of, along old Montauk rd., 700 ft. N. of center sec. 11, T. 33 N., R. 6 W., 15 ft. W. of rd., in root on E. side of 36-in. red-oak tree; copper nail and washer	1,319.48
Salem, 5 mi. S. of, along old Montauk rd., in SE. cor. sec. 2, T. 33 N., R. 6 W., in triangle formed by rd. corner E., in root on W. side of 30-in. black-oak tree; copper nail and washer	1,308.71
Salem, 4 mi. S. of, along old Montauk rd., 350 ft. SE. of cor. secs. 1, 2, 35, and 36, Tps. 33 and 34 N., R. 6 W., 30 ft. N. and 4 ft. E. from rd. fork NW., 2 ft. S. of fence, in concrete post; standard tablet stamped "55 G 1931"	1,318.514
Reference mark, 95 ft. SW. of tablet, 20 ft. S. of rd., in root on S. side of 12-in. black-oak tree; copper nail and washer	1,316.36
Salem, 3 mi. S. of, 600 ft. N. of Jamison School, near center sec. 36, T. 34 N., R. 6 W., 15 ft. W. of rd., in root on N. side of 24-in. white-oak tree; copper nail and washer	1,248.30
Salem, 2 mi. S. of, near center of E $\frac{1}{2}$ sec. 25, T. 34 N., R. 6 W., 25 ft. E. of rd., in root on W. side of 36-in. white-oak tree; copper nail and washer	1,181.77
Salem, at S. edge of, 30 ft. S. and 15 ft. W. from junction of State Highway 32 and old Salem-West Plains rd., on W. end of iron pipe culvert; chiseled square	1,183.65

3. IN NORTHEAST CORNER OF QUADRANGLE (by J. M. Lawson in 1933)

St. Louis-San Francisco Ry. at private rd. crossing; top of W. rail Howe, 800 ft. N. of St. Louis-San Francisco Ry. sta., 22 ft. S. and 40 ft. E. from rd. crossing, 33 ft. S. and 80 ft. W. from State Highway 19 at rd. fork SW., on top of large sandstone boulder; chiseled square	1,217.2
T-rd. SE., center line of rd.	1,250.04 1,202.3

(Continued in Stone Hill quadrangle; see line 2.)

4. FROM SALEM NORTHWEST ALONG STATE HIGHWAY 72 TO NORTH BORDER OF QUADRANGLE (by Cornish Beck in 1934)

Salem, 0.9 mi. W. of courthouse, 30 ft. N. of county route, 15 ft. S. and 40 ft. W. from SW. corner of dwelling of J. J. Burrus, in root on S. side of 30-in. paradise tree; copper nail and washer	1,198.08
Salem, 1.6 mi. W. of, along State Highway 72, 10 ft. S. and 15 ft. W. from highway at old Rolla-Salem rd., on S. edge of iron pipe culvert; chiseled mark	1,162.05
Salem, 2.7 mi. NW. of, along State Highway 72, near quarter cor. between secs. 10 and 11, T. 34 N., R. 6 W., 160 ft. N. and 70 ft. W. from highway at Spring Creek rd., in base of 10-in. white-oak stump; copper nail and washer	1,196.48
Salem, 3.9 mi. NW. of, along State Highway 72, 120 ft. S. and 40 ft. W. from S. sixteenth cor. between secs. 3 and 4, T. 34 N., R. 6 W., 15 ft. E. of highway at rd. to oil well, on SE. edge of iron pipe culvert; paint mark	1,160.64
Salem, 5.1 mi. NW. of, along State Highway 72, about 900 ft. NW. of junction of lane to dwelling of Roy Plank, on head wall at SE. corner of concrete culvert; chiseled square	1,153.22
Salem, 5.9 mi. NW. of, along State Highway 72, in sec. 5, T. 34 N., R. 6 W., at top of hill, 550 ft. NW. of highway at old Rolla-Salem rd., 10 ft. N. and 21 ft. E. from junction of rd. NE.; SE. edge of iron pipe culvert	1,210.98
Salem, 6.9 mi. NW. of, along State Highway 72, near line between Tps. 34 and 35 N., R. 6 W., 72 ft. S. and 25 ft. W. from highway, in root on N. side of 26-in. black-oak tree; copper nail and washer	1,145.17
Salem, 7.7 mi. NW. of, along State Highway 72, on NW. abutment of bridge over Dry Fork; chiseled square	1,059.65
Salem, 9.1 mi. NW. of, along State Highway 72, near line between Rs. 6 and 7 W., about 500 ft. N. of log dwelling, 50 ft. S. and 20 ft. W. from highway at old Rolla-Salem rd., in root on S. side of 24-in. white-oak tree; copper nail and washer	1,121.13
Salem, 10.1 mi. NW. of, along State Highway 72, near center sec. 24, T. 35 N., R. 7 W., 130 ft. N. and 120 ft. W. from highway at rd. to Hobson, in root on E. side of 30-in. twin black-oak tree; copper nail and washer	1,140.45

(Continued in Meramec Spring quadrangle; see line 6.)

5. FROM SALEM SOUTHWEST ALONG STATE HIGHWAY 32 ABOUT 8 MILES, THENCE EAST TO POINT ABOUT 7 MILES SOUTH OF SALEM

Salem, 0.9 mi. SW. of courthouse, 110 ft. N. and 50 ft. W. from junction of State Highway 32 and old Salem-West Plains rd., 10 ft. N. and 10 ft. E. from White House filling station, in W. side of 10-in. maple stump; staple	1,190.12
Salem, 1.7 mi. SW. of, 55 ft. S. and 55 ft. W. from junction of State Highway 32 and old Houston rd., in root on N. side of 30-in. black-oak tree; copper nail and washer	1,199.54

Salem, 2.1 mi. SW. of, 180 ft. W. of junction of State Highways 32 and 72, 15 ft. N. of Highway 32, on head wall at NW. corner of concrete culvert; chiseled square	<u>Feet</u> 1,195.66
Salem, 3.3 mi. SW. of, along State Highway 32, about 700 ft. NE. of center sec. 22, T. 34 N., R. 6 W., on NE. corner of N. head wall of concrete culvert; chiseled square	1,252.47
Salem, 4 mi. SW. of, along State Highway 32, between secs. 27 and 28, T. 34 N., R. 6 W., about 280 ft. NE. of junction of rd. S., in yard, in root on S. side of 20-in. white-oak tree; copper nail and washer	1,280.42
U.S.C. & G.S. standard disk stamped "S 52 1934"	1,191.062
Salem, 5.1 mi. SW. of, along State Highway 32, on line between secs. 28 and 29, T. 34 N., R. 6 W., 15 ft. S. and 8 ft. W. from junction of rd. S. to Jack, on W. end of iron pipe culvert; paint mark	1,205.56
Salem, 6 mi. SW. of, along State Highway 32, near NE. end of N. concrete guardrail of bridge over Holt Creek; chiseled square	1,179.27
U.S.C. & G.S. standard disk stamped "T 52 1934"	1,259.660
Salem, 7.6 mi. SW. of, along State Highway 32, 195 ft. SW. of junction of rd. SE., 40 ft. W. of highway, in root on SE. side of 14-in. water-oak tree; copper nail and washer	1,288.09
Salem, 7.7 mi. SW. of, along State Highway 32, 23 ft. E. of highway at rd. W., in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 345 C W A 1934"	1,214.564
U.S.C. & G.S. standard disk stamped "U 52 1934"	1,245.411
T. 33 N., R. 6 and 7 W., 400 ft. W. of approximate quarter cor. between secs. 7 and 12, at rd. corner from N. to E. (rd. E. to Jack), in root on S. side of 28-in. blackjack-oak tree; copper nail and washer	1,262.95
Jack, 0.5 mi. W. of, at quarter cor. between secs. 7 and 8, T. 33 N., R. 6 W., 30 ft. S. of rd., 27 ft. E. of fence, in root on N. side of 28-in. white-oak tree; copper nail and washer	1,290.60
Jack, 95 ft. S. and 135 ft. W. from post office, 45 ft. W. of rd. forks W. and SW., in root on SE. side of 20-in. post-oak tree; nail	1,339.74
T. 33 N., R. 6 W., near cor. secs. 8, 9, 16, and 17, 330 ft. S. and 45 ft. W. from rd. corner W. to S., in root on E. side of 26-in. hickory tree; copper nail and washer	1,342.08
T. 33 N., R. 6 W., near quarter cor. between secs. 15 and 16, 18 ft. N. and 18 ft. E. from rd. at cross lane, in root on S. side of 26-in. water-oak tree; copper nail and washer	1,334.22
T. 33 N., R. 6 W., near quarter cor. between secs. 14 and 15, 490 ft. W. of old Montauk rd. at rd. W. to Jack, 25 ft. N. of rd., in fence line N., in root on S. side of 26-in. water-oak tree; copper nail and washer	1,339.44

6. NEAR CENTER OF NORTH HALF OF WEST BORDER OF QUADRANGLE

(Continued from Edgar Springs quadrangle; see line 2.)

T. 34 N., R. 7 W., in NE $\frac{1}{4}$ sec. 6, about 0.2 mi. NW. of crossroads, 15 ft. N. of rd., in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "336 O W A 1934"	1,278.241
T. 34 N., R. 7 W., in NW $\frac{1}{4}$ sec. 5, 40 ft. N. and 30 ft. W. from crossroads, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "337 C W A 1934"	1,284.754
T. 34 N., R. 7 W., in W $\frac{1}{2}$ sec. 6, about 400 ft. SW. of dwelling, 4 ft. E. of mail box of E. H. Sturgeon, in root on W. side of 28-in. post-oak tree; copper nail and washer	1,262.14

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

7. FROM POINT ABOUT 8 MILES SOUTHWEST OF SALEM ON STATE HIGHWAY 32 WEST TO WEST BORDER OF QUADRANGLE

T. 34 N., R. 7 W., S. cor. secs. 35 and 36, near crossroads, 15 ft. S. and 18 ft. E. from SE. corner of church, in root on S. side of 24-in. post-oak tree; copper nail and washer	1,210.17
T. 34 N., R. 7 W., about 900 ft. W. of S. cor. secs. 34 and 35, opposite dwelling, 30 ft. S. of rd., in root on N. side of 8-in. post-oak tree; copper nail and washer	1,245.06
T. 34 N., R. 7 W., about 0.2 mi. E. of SW. cor. sec. 34, 35 ft. N. and 30 ft. E. from crossroads, in root on S. side of 22-in. white-oak tree; copper nail and washer	1,232.73
T. 34 N., R. 7 W., SE. cor. sec. 32, about 660 ft. E. of T-rd. N., 17 ft. S. of rd., in front of dwelling, in concrete post; standard tablet stamped "T T 344 C W A 1934"	1,254.979
T. 34 N., R. 7 W., SE. cor. sec. 31, 15 ft. N. and 15 ft. E. from T-rd. N., in root on S. side of 16-in. post-oak tree; copper nail and washer	1,244.64

(Continued in Edgar Springs quadrangle; see line 3.)

8. EAST ALONG SOUTH BORDER OF QUADRANGLE

(Continued from Cedar Grove quadrangle; see line 3.)

T. 32 N., R. 7 W., in SW $\frac{1}{4}$ sec. 3, about 150 ft. S. of dwelling, 15 ft. E. of rd., in root on W. side of 14-in. post-oak tree; lead-headed nail	1,192.15
T. 32 N., R. 7 W., in NE $\frac{1}{4}$ sec. 3, about 900 ft. NE. of junction of State Highway 119 and County Route E, 26 ft. N. of Route E, 50 ft. S. of abandoned rd., in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 352 O W A 1934"	1,220.185
T. 33 N., R. 7 W., in SE $\frac{1}{4}$ sec. 35, 40 ft. N. and 20 ft. E. from dim crossroads, in root on E. side of 8-in. hickory tree; lead-headed nail	1,311.06

	<u>Feet</u>
T. 33 N., R. 7 W., near quarter cor. between secs. 35 and 36, 25 ft. N. of County Route E, 30 ft. W. of fence N., in root on S. side of 24-in. post-oak tree; lead-headed nail	1,342.91
T. 33 N., R. 6 W., quarter cor. between secs. 30 and 31, 290 ft. E. of County Route E at N.-S. fences, 25 ft. N. of highway, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "353 C W A 1934"	1,337.877
T. 33 N., R. 6 W., SE. cor. sec. 30, 30 ft. S. and 100 ft. E. from cross-roads, in root on N. side of 24-in. white-oak tree; lead-headed nail	1,308.15
T. 33 N., R. 6 W., near NE. cor. sec. 32, 40 ft. S. of County Route E, 40 ft. W. of fence, in root on N. side of 34-in. white-oak tree; copper nail and washer	1,331.69
T. 33 N., R. 6 W., in SE $\frac{1}{4}$ sec. 28, in triangle formed by junction of County Routes E and K, in root on N. side of 30-in. white-oak tree; copper nail and washer	1,381.00
T. 33 N., R. 6 W., near W. sixteenth cor. between secs. 26 and 35, 25 ft. N. of rd., 30 ft. W. of fence N., in root on S. side of 18-in. black-jack-oak tree; copper nail and washer	1,275.33
T. 33 N., R. 6 W., near E. sixteenth cor. sec. 26, 30 ft. S. and 20 ft. E. from T-rd., in root on NW. side of 26-in. black-oak tree; copper nail and washer	1,283.46
Custer, 1.5 mi. SW. of, quarter cor. between secs. 25 and 30, T. 33 N., R. 5 and 6 W., at rd. corner from N. to W., in concrete post; standard tablet stamped "T T 354 C W A 1934"	1,261.681
Custer, about 0.5 mi. W. of, near quarter cor. between secs. 19 and 30, T. 33 N., R. 5 W., about 10 ft. N. and 190 ft. E. from rd. corner S. to E., in root on SE. side of 8-in. white-oak tree; copper nail and washer	1,223.33
Custer, at general store, on NW. corner of well platform; chiseled square	1,253.25

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

9. SOUTH ALONG STATE HIGHWAY 119 IN SOUTHWEST QUARTER OF QUADRANGLE
(by B. A. Barnes in 1935)

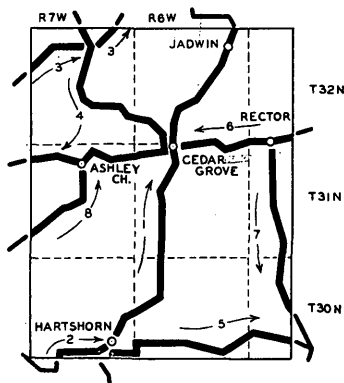
U.S.C. & G.S. standard disk stamped "W 52 1934"	1,286.989
T. 33 N., R. 7 W., in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, 275 ft. E. of junction of State Highways 32 and 119, 26 ft. S. of highway, on W. end of concrete culvert; chiseled square	1,258.30
T. 33 N., R. 7 W., on line between secs. 15 and 22, 38 ft. E. of State Highway 119, 48 ft. N. of dwelling, 8 ft. S. of lane to barn, at corner of picket fence, in root of 12-in. black-oak tree; copper nail and washer	1,278.16
T. 33 N., R. 7 W., near W. sixteenth cor. between secs. 22 and 27, in valley, on E. head wall of stone and concrete culvert; chiseled square	1,253.77
T. 33 N., R. 7 W., in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, at top of hill, 35 ft. W. of State Highway 119, 42 ft. N. of dim cross rd., in root of 25-in. white-oak tree; copper nail and washer	1,323.98
T. 33 N., R. 7 W., in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, 34 ft. W. of State Highway 119, 74 ft. S. of junction of dim rd. W., in root of 15-in. white-oak tree; copper nail and washer	1,330.07
Tps. 32 and 33 N., R. 7 W., cor. secs. 2, 3, 34, and 35, 0.1 mi. N. of junction of State Highway 119 and County Route E, 150 ft. N. of junction of rd. W., on NE. corner of concrete culvert; chiseled square	1,188.63

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

For additional level lines along St. Louis-San Francisco Ry. and State Highways 19, 32, and 72, refer to U.S. Coast and Geodetic Survey second-order lines, Cuba to Eminence and Ste. Genevieve to Licking.

CEDAR GROVE QUADRANGLE
(Latitude 37°15'–37°30'; longitude 91°30'–91°45')

Dent, Shannon, and Texas Counties



1. FROM HARTSHORN NORTH THROUGH CENTER OF QUADRANGLE (by E. W. Gouchenour in 1931)

	<u>Feet</u>
Hartshorn, 0.9 mi. N. of, 0.2 mi. W. of cor. secs. 23, 24, 25, and 26, T. 30 N., R. 7 W., 160 ft. S. and 15 ft. W. from crossroads, in root on W. side of apple tree; copper nail and washer	1,274.47
Hartshorn, 2 mi. N. of, near N. sixteenth cor. sec. 23, T. 30 N., R. 7 W., 20 ft. S. and 30 ft. E. from T-rd. E., in concrete post; standard tablet stamped "46 G 1931"	1,298.228
Reference mark, 131 ft. S. of tablet, in fence line, in root on N. side of 24-in. black-oak tree; copper nail and washer	1,294.58
Hartshorn, 2 mi. N., thence 1.5 mi. E. from, in NW $\frac{1}{4}$ sec. 19, T. 30 N., R. 6 W., 200 ft. E. of Shannon-Texas county line, 15 ft. S. of rd., in root on N. side of twin white-oak tree; copper nail and washer	1,216.70
Hartshorn, 2 mi. N., thence 1.9 mi. E. from, in NW $\frac{1}{4}$ sec. 19, T. 30 N., R. 6 W., about 0.4 mi. E. of Shannon-Texas county line, 20 ft. N. and 15 ft. E. from T-rd. W., in root on N. side of 12-in. white-oak tree; copper nail and washer	1,265.62
T. 30 N., R. 6 W., in SE $\frac{1}{4}$ sec. 7, 10 ft. S. and 15 ft. W. from rd. fork E., in root on W. side of 12-in. black-oak tree; copper nail and washer	1,245.57
T. 30 N., R. 6 W., at quarter cor. between secs. 7 and 8, 90 ft. N. and 30 ft. E. from crossroads, in NW. corner of yard of E. C. Edwards, in concrete post; standard tablet stamped "47 G 1931"	1,229.362
Reference mark, 15 ft. S. and 58 ft. W. from tablet, in root on S. side of 12-in. black-oak tree; copper nail and washer	1,229.71
T. 30 N., R. 6 W., in W $\frac{1}{2}$ sec. 5, 25 ft. W. of rd. fork E. to Akers post office, in root on E. side of 18-in. oak tree; copper nail and washer	1,222.25
Cedar Grove, 7 mi. S. of, along old Salem-West Plains rd., in W $\frac{1}{2}$ sec. 32, T. 31 N., R. 6 W., at curve in rd., in root on E. side of 24-in. black-oak tree; copper nail and washer	1,207.48
Cedar Grove, 6 mi. S. of, along old Salem-West Plains rd., near quarter cor. between secs. 29 and 30, T. 31 N., R. 6 W., 6 ft. S. and 21 ft. E. from rd. forks, 10 ft. E. of mail box of G. W. Riley, in concrete post; standard tablet stamped "48 G 1931"	1,230.303
Reference mark, 50 ft. W. of tablet, in root on E. side of 18-in. black-oak tree; copper nail and washer	1,228.54
Cedar Grove, 4.4 mi. S. of, along old Salem-West Plains rd., in SE $\frac{1}{4}$ sec. 20, T. 31 N., R. 6 W., 10 ft. E. of rd., in root on W. side of leaning 24-in. black-oak tree; copper nail and washer	1,210.46
Cedar Grove, 3.4 mi. S. of, along old Salem-West Plains rd., 900 ft. N. of Pleasant Ridge School, 10 ft. W. of rd., in root on W. side of 30-in. white-oak tree; copper nail and washer	976.06
Cedar Grove, 2.6 mi. S. of, along old Salem-West Plains rd., 25 ft. S. and 70 ft. W. from junction of Hartshorn-Salem rd., 10 ft. N. and 70 ft. E. from NE. corner of Street Chapel, in yard, in concrete post; standard tablet stamped "49 G 1931"	857.290
Reference mark, 20 ft. W. of tablet, in root on W. side of 14-in. hickory tree; copper nail and washer	856.12
Cedar Grove, 1.4 mi. S. of, along old Salem-West Plains rd., 1 mi. NE. of Street Chapel, 45 ft. S. and 40 ft. E. from ford across Big Creek, at fence corner, in root on N. side of elm tree; copper nail and washer	828.96
Cedar Grove, about 0.5 mi. S. of, along old Salem-West Plains rd., 15 ft. S. of rd., in root on N. side of 30-in. water-oak tree; copper nail and washer	820.51
Cedar Grove, 300 ft. S. of millrace, 30 ft. E. of rd., 9 ft. S. and 9 ft. E. from NW. corner of fence around yard of C. H. Hawn, in limestone ledge; standard tablet stamped "50 G 1931"	844.941
Reference mark, 18 ft. E. of tablet, at E. edge of rd., on limestone ledge; chiseled square	843.67

Cedar Grove, 1.1 mi. N. of, along old Salem-West Plains rd., 0.2 mi. S. of dwelling of George Hobson, 30 ft. NW. of rd., in root on E. side of 30-in. white-oak tree; copper nail and washer	Feet 892.95
Cedar Grove, 2 mi. N. of, along old Salem-West Plains rd., 300 ft. N. of dwelling of John Berry, 25 ft. W. of rd., on bank of small draw, in root on N. side of 14-in. oak tree; copper nail and washer	944.86
Cedar Grove, 3.6 mi. NE. of, along old Salem-West Plains rd., in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22, T. 32 N., R. 6 W., in NW. corner of yard of A. A. McDonald, in concrete post; standard tablet stamped "51 G 1931"	1,236.743
Reference mark, 100 ft. W. of SW. corner of dwelling, in root on E. side of 30-in. black-oak tree; copper nail and washer	1,234.78
Cedar Grove, 4.7 mi. NE. of, along old Salem-West Plains rd., near line between secs. 14 and 15, T. 32 N., R. 6 W., 100 ft. N. of curve in rd., 15 ft. N. and 15 ft. W. from junction of dim rd. NW., in root on E. side of 12-in. black-oak tree; copper nail and washer	1,304.94
Jadwin, in $\frac{1}{2}$ sec. 11, T. 32 N., R. 6 W., 200 ft. N. and 25 ft. W. from rd. fork SW., in root on W. side of 30-in. white-oak tree; copper nail and washer	1,307.08
Jadwin, 1 mi. NE. of, at quarter cor. between secs. 2 and 11, T. 32 N., R. 6 W., 30 ft. S. and 20 ft. E. from T-rd. S., in fence corner, in concrete post; standard tablet stamped "52 G 1931"	1,240.151
Reference mark, 60 ft. S. of tablet, in root on W. side of 30-in. black-oak tree; copper nail and washer	1,238.16

(Continued in Salem quadrangle; see line 2.)

2. IN SOUTHWEST CORNER OF QUADRANGLE

(Continued from Summersville quadrangle; see line 1.)

T. 30 N., R. 7 W., near W. sixteenth cor. sec. 33, 800 ft. NE. of ford across Little Creek, 20 ft. S. of rd., in root on N. side of 15-in. black-oak tree; copper nail and washer	1,210.90
Hartshorn, 0.5 mi. S., thence 2 mi. W. from, in E $\frac{1}{2}$ sec. 33, T. 30 N., R. 7 W., 15 ft. N. and 55 ft. W. from dim crossroads, in root on S. side of twin black-oak tree; copper nail and washer	1,280.92
Hartshorn, 0.5 mi. S., thence 1 mi. W. from, at quarter cor. between secs. 34 and 35, T. 30 N., R. 7 W., 20 ft. N. and 48 ft. W. from T-rd. N., 3 ft. N. and 12 ft. W. from fence corner, in concrete post; standard tablet stamped "43 G 1931"	1,263.004
Reference mark, 36 ft. S. and 5 ft. E. from tablet, in root on W. side of 15-in. black-oak tree; copper nail and washer	1,261.28

3. IN NORTHWEST CORNER OF QUADRANGLE (by Cornish Beck in 1935)

(Continued from Raymondville quadrangle; see line 7.)

T. 32 N., R. 7 W., in SW $\frac{1}{4}$ sec. 7, 65 ft. E. of dim rd. NW., 15 ft. S. of rd., in root on N. side of 12-in. post-oak tree; lead-headed nail	1,173.34
Lower Hepside School, in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 32 N., R. 7 W., 20 ft. N. of rd. S. of schoolhouse, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "T T 351 C W A 1934"	1,147.192
T. 32 N., R. 7 W., in NE $\frac{1}{4}$ sec. 9, about 100 ft. N. of Hepside Church, 20 ft. S. of rd., in root on N. side of 12-in. white-oak tree; lead-headed nail	1,100.79
T. 32 N., R. 7 W., in NE $\frac{1}{4}$ sec. 9, 12 ft. S. of Joy-Licking rd., 50 ft. W. of old Montauk rd., in root on NE. side of 30-in. white-oak tree; lead-headed nail	1,097.91

(Continued in Salem quadrangle; see line 8.)

4. FROM NORTH BORDER OF QUADRANGLE SOUTH TO MONTAUK STATE PARK, THENCE SOUTHEAST TO CEDAR GROVE, THENCE WEST TO WEST BORDER (by B. A. Barnes in 1935)

(Continued from Salem quadrangle; see line 9.)

T. 32 N., R. 7 W., in SE $\frac{1}{4}$ sec. 3, 1 mi. S. of junction of State Highway 119 and County Route E, 36 ft. W. of highway, 23 ft. S. of lane W. to dwelling, in root of 7-in. black-oak tree; copper nail and washer	1,240.08
T. 32 N., R. 7 W., in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, 48 ft. W. of State Highway 119, in root of 17-in. white-oak tree; copper nail and washer	1,213.27
T. 32 N., R. 7 W., in NW $\frac{1}{4}$ sec. 15, 32 ft. W. of State Highway 119, 15 ft. S. of E-W. cross rd., in root of 18-in. black-oak tree; copper nail and washer	1,199.91
T. 32 N., R. 7 W., near center of SW $\frac{1}{4}$ sec. 15, 3 mi. S. along State Highway 119 from junction of County Route E, 30 ft. N. and 30 ft. E. from highway at rd. E., in concrete post; standard tablet stamped "1200 E R A 1935"	1,185.957
T. 32 N., R. 7 W., in NE $\frac{1}{4}$ sec. 21, along State Highway 119, on rd. W., on N. head wall of stone and concrete culvert; chiseled square	1,122.51
T. 32 N., R. 7 W., in SW $\frac{1}{4}$ sec. 22, along State Highway 119, at bottom of steep hill, near entrance to Montauk State Park, 21 ft. E. of highway, on E. head wall of stone and concrete culvert; chiseled square	939.91
T. 32 N., R. 7 W., in NW $\frac{1}{4}$ sec. 27, 41 ft. E. of State Highway 119 at rd. W., on top of hill, in root of 12-in. white-oak tree; copper nail and washer	1,157.49
Montauk State Park, on grounds of, about 800 ft. E. of concrete overflow bridge over Current River, 140 ft. NE. of post office, 3 ft. W. of stone steps leading into Old Mill, in concrete post; standard tablet stamped "1801 E R A 1935"	923.732

Montauk State Park, about 1 mi. E. of, in NE $\frac{1}{4}$ sec. 26, T. 32 N., R. 7 W., 24 ft. E. of E. bank of Current River, 30 ft. S. of log dwelling, 10 ft. W. of T-rd., in root of 18-in. elm tree; copper nail and washer	<u>Feet</u> 901.70
Montauk State Park, about 1.8 mi. E. of, 162 ft. N. of dwelling, 1 st ft. N. of rd., in root of 29Cin. elm tree; copper nail and washer	896.79
Montauk State Park, about 2 mi. E. of, in NW $\frac{1}{4}$ sec. 25, T. 32 N., R. 7 W., 210 ft. W. of Duckworth fishing camp, 83 ft. N. of Current River, in root of 14-in. tree; copper nail and washer	877.13
Montauk State Park, 3.2 mi. E. of post office, in SW $\frac{1}{4}$ sec. 19, T. 32 N., R. 6 W., 28 ft. S. and 150 ft. W. from T-rd. S. at NE. corner of farmyard, in concrete post; standard tablet stamped "1802 E R A 1935"	1,215.802
T. 32 N., R. 6 W., in NE $\frac{1}{4}$ sec. 32, 226 ft. W. of dwelling of R. Johnson, 4 ft. S. of rd. at curve, in root of 19-in. black-oak tree; copper nail and washer	839.96
T. 31 N., R. 6 W., in NW $\frac{1}{4}$ sec. 5, 0.8 mi. SW. of Cedar Grove, at top of bluff, 103 ft. E. of rd., in root of 18-in. white-oak tree; copper nail and washer	1,240.05
T. 31 N., R. 6 W., in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, 7 ft. W. of rd. S., 48 ft. N. of rd. W., 25 ft. E. of dwelling, in root of 18-in. black-oak tree; copper nail and washer	1,187.97
T. 31 N., R. 7 W., in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, about 700 ft. W. of Shannon-Texas county line, 74 ft. S. of dwelling of Ike Cox, 6 ft. S. of picket fence, in root of 13-in. white-oak tree; copper nail and washer	1,188.41
T. 31 N., R. 7 W., at approximate N. sixteenth cor. between secs. 11 and 12, 98 ft. NE. of dwelling of J. E. Freeze, 152 ft. N. of E-W. rd., 30 ft. W. of rd. forks, in root of 10-in. white-oak tree; copper nail and washer	1,176.29
T. 31 N., R. 7 W., in NW $\frac{1}{4}$ sec. 2, 73 ft. SW. of Ashley Church, 56 ft. E. of T-rd. E., in center of rd., in root of 23-in. black-oak tree; copper nail and washer	946.79
Ashley Church, 0.4 mi. SW. of, in SE $\frac{1}{4}$ sec. 3, T. 31 N., R. 7 W., 20 ft. E. of rd., 37 ft. NW. of NW. corner of dwelling of Frank Spenoer, 8 ft. E. of NW. corner of farmyard, in concrete post; standard tablet stamped "1803 E R A 1935"	948.619
Ashley Church, about 1 mi. SW. of, along Montauk-Raymondville rd., in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, T. 31 N., R. 7 W., in front of dwelling of J. A. Spenoer, on S. end of concrete wall; chiseled square	981.87
Ashley Church, about 1.8 mi. SW. of, in NW $\frac{1}{4}$ sec. 10, T. 31 N., R. 7 W., at foot of hill, 76 ft. W. of rd. SE., 12 ft. N. of rd. W., in root of 18-in. white-oak tree; copper nail and washer	990.13
Ashley Church, about 2.5 mi. W. of, in SE $\frac{1}{4}$ sec. 4, T. 31 N., R. 7 W., at top of hill W. of ford across South Ashley Creek, at rd. forks, 24 ft. N. of rd. SE., 16 ft. N. of rd. E., in root of 22-in. black-oak tree; copper nail and washer	1,164.30
Ashley Church, 3.5 mi. W. of, in S $\frac{1}{2}$ sec. 5, T. 31 N., R. 7 W., 25 ft. S. and 25 ft. E. from T-rd. S., in concrete post; standard tablet stamped "1804 E R A 1935"	1,198.243
T. 31 N., R. 7 W., in SE $\frac{1}{4}$ sec. 6, about 0.3 mi. N. of dwelling, 56 ft. N. of rd. E., 7 ft. E. of rd. fork N., in root of 12-in. black-oak tree; copper nail and washer	1,291.28

(Continued in Raymondville quadrangle; see line 5.)

5. FROM POINT NEAR CENTER OF WEST HALF OF SOUTH BORDER OF QUADRANGLE EAST TO EAST BORDER (by S. T. Tudor in 1936)

Hartshorn, 0.5 mi. S. of, at E. sixteenth cor. sec. 35, T. 30 N., R. 7 W., 30 ft. N. and 40 ft. E. from T-rd. W., in root on W. side of 20-in. black-oak tree; copper nail and washer	1,245.90
Hartshorn, 60 ft. S. and 30 ft. E. from crossroads, in root on W. side of 15-in. oak tree; copper nail and washer	1,306.08
Dwelling, 60 ft. S. and 130 ft. E. from, in root on N. side of 24-in. oak tree; nail	1,292.44
Hartshorn, 1 mi. E. of, about 800 ft. E. of cor. secs. 25, 30, 31, and 36, T. 30 N., R. 6 and 7 W., 30 ft. S. and 45 ft. E. from crossroads, in NW. corner of yard of I. V. Young, in concrete post; standard tablet stamped "1824 E R A 1935"	1,246.671
Hartshorn, 2 mi. E. of, in angle formed by rd. forks SE. and NE., in root on S. side of 18-in. black-oak tree; copper nail and washer	1,267.18
Dim E-W. rd., 5 ft. S. of, in root on N. side of 15-in. oak tree; nail	1,262.32
Hartshorn, 3 mi. E. of, 20 ft. S. of dim E-W. rd., in root on N. side of triangular-blazed 15-in. black-oak tree; copper nail and washer	1,239.49
Rd. forks NE. and SE., in angle formed by, in root on S. side of 18-in. black-oak tree; nail	1,182.14
Hartshorn, 4 mi. E. of, 20 ft. N. of rd. forks SW. and W., in root on S. side of 12-in. oak tree; copper nail and washer	1,179.61
Hartshorn, 5 mi. E. of, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 30 N., R. 6 W., 20 ft. N. of E-W. rd., 20 ft. S. of dwelling of G. W. Huskey, in farmyard, in concrete post; standard tablet stamped "1823 E R A 1935"	1,065.386
Ink, 6 mi. W. of, 20 ft. N. of rd. forks W. and NW., in root on S. side of 12-in. oak tree; copper nail and washer	1,184.61
Rd. forks W. and SW., 20 ft. N. and 30 ft. W. from, in root on S. side of 18-in. oak tree; nail	1,148.46
Ink, 5 mi. W. of, 20 ft. N. and 10 ft. W. from rd. corner W. to N., in root on NE. side of 30-in. water-oak tree; copper nail and washer	1,042.25
Rd. E-W., 10 ft. N. of, in root on W. side of triangular-blazed 24-in. oak tree; nail	1,192.24
Ink, 4 mi. W. of, near E. sixteenth cor. sec. 25, T. 30 N., R. 6 W., 6 ft. N. and 10 ft. W. from E-W. rd., at fences N.-S. in root on S. side of 18-in. white-oak tree; copper nail and washer	1,149.75

	<u>Feet</u>
Ink, 3.5 mi. W. of, in NW $\frac{1}{4}$ sec. 30, T. 30 N., R. 5 W., 0.2 mi. NE. of dwelling of Elijah Piles, 65 ft. NE. of rd. fork NE., 5 ft. S. of triangular-blazed tree, in concrete post; standard tablet stamped "1822 E R A 1935"	1,194.176
Rd. E.-W., 30 ft. N. of, in root on S. side of 36-in. red-oak tree; nail	1,146.01
Ink, 2.1 mi. W. of, 15 ft. N. of E.-W. rd., in root on S. side of triangular-blazed 12-in. white-oak tree; copper nail and washer	1,132.96
Rd. E.-W., 6 ft. N. of, in root on S. side of 36-in. white-oak tree; nail	1,121.94
Ink, 1.3 mi. W. of, 10 ft. N. and 15 ft. E. from rd. fork NE., in root on S. side of 12-in. oak tree; copper nail and washer	1,114.12

(Continued in Sinkin quadrangle; see line 3.)

6. FROM EAST BORDER OF QUADRANGLE WEST TO CEDAR GROVE (leveled twice by Charles E. Hunter in 1936)
(Continued from Sinkin quadrangle; see line 7.)

Rector, 0.6 mi. E. of, in NE $\frac{1}{4}$ sec. 5, T. 31 N., R. 5 W., 15 ft. N. and 225 ft. E. from rd. forks in bed of branch, at gatepost, in root on W. side of 12-in. black-oak tree; copper nail and washer	944.91
Rector, in SW $\frac{1}{4}$ sec. 5, T. 31 N., R. 5 W., 30 ft. S. of rd., 25 ft. NE. of NE. corner of general merchandise store, 5 ft. E. of fence corner, in concrete post; standard tablet stamped "1807 E R A 1935"	929.484
Rd. forks, 15 ft. N. and 45 ft. W. from, on old picnic grounds, in root on E. side of 10-in. white-oak tree; lead-headed nail	979.43
Rector, 0.8 mi. W. of, in NW $\frac{1}{4}$ sec. 6, T. 31 N., R. 5 W., 50 ft. N. and 20 ft. W. from rd. fork in bed of Gladden Creek, in root on S. side of 12-in. white-oak tree; copper nail and washer	890.75
Rector, 1.5 mi. W. of, near W. sixteenth cor. sec. 1, T. 31 N., R. 6 W., 10 ft. S. and 120 ft. E. from T-rd. NE., in root on S. side of 8-in. post-oak tree; copper nail and washer	903.45
Rector, 2.2 mi. W. of, along old Cedar Grove-Rector rd., near center SE $\frac{1}{4}$ sec. 2, T. 31 N., R. 6 W., 10 ft. S. and 25 ft. E. from rd. fork in Gladden Creek, near small dwelling, in root on W. side of 20-in. hackberry tree; copper nail and washer	847.66
T. 32 N., R. 6 W., in SW $\frac{1}{4}$ sec. 35, 50 ft. N. and 15 ft. W. from rd. corner W. to S., 10 ft. N. and 15 ft. W. from SW. corner of farmyard, in root on SE. side of 18-in. walnut tree; copper nail and washer	895.42
T. 31 N., R. 6 W., in NW $\frac{1}{4}$ sec. 2, 17 ft. W. of old Cedar Grove-Rector rd. at rd. S. to Akers, 13 ft. SE. of triangular-blazed oak tree, in concrete post; standard tablet stamped "1806 E R A 1935"	1,173.252
T. 31 N., R. 6 W., near NW. cor. sec. 2, 15 ft. N. and 15 ft. E. from junction of Cedar Grove-Rector and Salem rds., in root on S. side of 14-in. white-oak tree; copper nail and washer	1,155.34
T. 31 N., R. 6 W., in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, 20 ft. N. and 5 ft. E. from rd. forks, about 200 ft. E. of sawmill, in root on S. side of 18-in. elm tree; copper nail and washer	917.19
Cedar Grove, 1.5 mi. SE. of, along Akers-Cedar Grove rd., near E. sixteenth cor. sec. 4, T. 31 N., R. 6 W., 45 ft. N. and 10 ft. E. from junction of rd. S., 45 ft. N. and 10 ft. W. from triangular-blazed 16-in. maple tree, in root on SE. side of 16-in. pin-oak tree; copper nail and washer	820.63
Current River at ford, 0.4 mi. SE. of Cedar Grove; surface of water at 12 noon May 16, 1936	814.9

7. FROM RECTOR SOUTH AND EAST TO EAST BORDER OF QUADRANGLE

Rector, 1 mi. S. of, near center sec. 6, T. 31 N., R. 5 W., 45 ft. W. of crossroads, 35 ft. S. of proposed county route, in root on E. side of 14-in. white-oak tree; copper nail and washer	1,202.31
Rd. forks, 75 ft. S. and 15 ft. E. from, in root on N. side of 16-in. post-oak tree; lead-headed nail	1,151.70
Rector, 1.8 mi. S. of, in NW $\frac{1}{4}$ sec. 17, T. 31 N., R. 5 W., 5 ft. N. and 15 ft. W. from rd. forks, in root on SE. side of 18-in. post-oak tree; copper nail and washer	1,120.26
Rector, 2.7 mi. S. of, in NW $\frac{1}{4}$ sec. 20, T. 31 N., R. 5 W., 10 ft. N. and 10 ft. E. from graded rd. at dim rd. SE., in root on SW. side of 16-in. white-oak tree; copper nail and washer	1,096.05
Rector, 3.7 mi. S. of, in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29, T. 31 N., R. 5 W., 46 ft. W. of rd., 5 ft. S. and 46 ft. E. from SE. corner of dwelling of George Banks, in concrete post; standard tablet stamped "T 18 J J 1936"	931.757
Rector, 4.3 mi. S. of, near E. sixteenth cor. sec. 29, T. 31 N., R. 5 W., 15 ft. S. and 10 ft. E. from T-rd. S., on N. bank of Current River, in root on W. side of 16-in. sycamore tree; copper nail and washer	752.59
Current River; surface of water at 4:30 p.m. May 20, 1936	744.6
Rector, 4.3 mi. S. of, on S. bank of Current River, in root on W. side of 16-in. elm tree; copper nail and washer	750.80
Current River, about 0.8 mi. SW. of, along dim rd. in draw, on N. side of drain forks W. and SW., at site of old lumber mill, in root on E. side of 18-in. white-oak tree; copper nail and washer	835.57
Rd. forks, 5 ft. S. and 10 ft. E. from, in root on W. side of 14-in. post-oak tree; lead-headed nail	1,169.16
Rd. forks, 10 ft. N. of, in root on N. side of 6-in. black-oak tree; lead-headed nail	1,150.51
Pulltight, about 1.8 mi. NW. of site of old post office, 40 ft. S. of rd. forks, in root on W. side of triangular-blazed 20-in. white-oak tree; copper nail and washer	1,089.66

Pulltight, about 0.9 mi. NW. of site of old post office, 25 ft. W. of rd. forks, in small valley, at W. end of field, in root on S. side of 14-in. black-oak tree; copper nail and washer	Feet 807.74
Pulltight, at site of old post office, 7.5 mi. N. of Ink, in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 30 N., R. 5 W., 20 ft. S. and 41 ft. E. from SE. corner of dwelling of J. P. Patton, in concrete post; standard tablet stamped "T T 19 J J 1936"	759.624
Pulltight, about 0.5 mi. SE. of site of old post office, 25 ft. N. and 40 ft. E. from T-rd. SE., about 60 ft. N. of small branch, in root on W. side of 18-in. water-oak tree; copper nail and washer	738.29

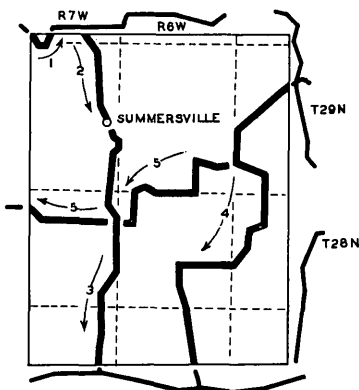
(Continued in Sinkin quadrangle; see line 8.)

8. FROM CENTER OF WEST BORDER OF QUADRANGLE NORTHEAST TO ASHLEY CHURCH (by F. Y. Brown in 1936)
(Continued from Raymondville quadrangle; see line 9.)

Dwelling of A. C. Cummins, 20 ft. N. of rd. opposite, in N. side of 20-in. black-oak tree; crossed nails	1,318.58
T. 31 N., R. 7 W., near quarter cor. between secs. 29 and 30, 40 ft. N. and 21 ft. E. from junction of trail SE., in root on NW. side of 26-in. black-oak tree; copper nail and washer	1,312.53
Dwelling of Frank Sawyer, 550 ft. S. of, at curve in rd., 15 ft. W. of rd. at ridge rd. E., in root on E. side of 12-in. black-oak tree; copper nail and washer	1,278.54
T. 31 N., R. 7 W., in SE $\frac{1}{4}$ sec. 20, 15 ft. SE. of rd. opposite dwelling of H. N. Shipp, in root on W. side of 16-in. black-oak tree; copper nail and washer	1,275.42
Rd. fork NW., 20 ft. SE. of, in root on W. side of 12-in. white-oak tree; crossed nails	1,259.00
T. 31 N., R. 7 W., in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, 40 ft. S. and 17 ft. E. from rd. fork NE., about 60 ft. S. of proposed new rd., in concrete post; standard tablet stamped "T T 23 J J 1936"	1,277.951
Reference mark 1, 15 ft. N. and 42 ft. W. from tablet, in root on NW. side of 18-in. black-oak tree; copper nail and washer	1,275.90
Reference mark 2, 50 ft. N. and 215 ft. E. from tablet, in root on S. side of 16-in. black-oak tree; copper nail and washer	1,284.80
Saddle of ridge, near junction of rd. E., 33 ft. N. of rd., in root on E. side of 14-in. white-oak tree; crossed nails	1,249.32
T. 31 N., R. 7 W., in SE $\frac{1}{4}$ sec. 21, 20 ft. S. of rd. at W. intersection of rd. fork NE., in root on N. side of 20-in. black-oak tree; copper nail and washer	1,254.61
Junction of trail W., 60 ft. E. of, 15 ft. S. of rd., in root on N. side of 16-in. black-oak tree; crossed nails	1,248.02
T. 31 N., R. 7 W., in sec. 15, along rd. through grove of large pine trees, 25 ft. E. of rd., in root on W. side of 15-in. black-oak tree; copper nail and washer	1,244.96
Junction of trail NE., 60 ft. S. and 18 ft. E. from, in root on W. side of 20-in. black-oak tree; crossed nails	1,238.63
T. 31 N., R. 7 W., near quarter cor. between secs. 10 and 15, 33 ft. E. of rd. at top of hill overlooking South Ashley Creek, 15 ft. E. of fence line, in root on W. side of 12-in. black-oak tree; copper nail and washer	1,192.51
T. 31 N., R. 7 W., 300 Yt. E. of S. sixteenth cor. sec. 10, E. of rd. corner from S. to W., in root on W. side of 20-in. walnut tree; copper nail and washer	993.27

SUMMERSVILLE QUADRANGLE
(Latitude $37^{\circ}00' - 37^{\circ}15'$; longitude $91^{\circ}30' - 91^{\circ}45'$)

Howell, Shannon, and Texas Counties



1. IN NORTHWEST CORNER OF QUADRANGLE (by E. W. Gouchenour in 1931)
(Continued from Raymondville quadrangle; see line 2.)

Eunice, 0.2 mi. N., thence 2.2 mi. E. from, 900 ft. E. of NW. cor. sec. 5, T. 29 N., R. 7 W., 17 ft. N. and 130 ft. W. from crossroads, in root on SE. side of 30-in. pine tree; copper nail and washer	Feet 1,279.28
Eunice, 0.2 mi. N., thence 2.7 mi. E. from, near S. quarter cor. sec. 32, T. 30 N., R. 7 W., 7 ft. NW. of 20-in. black-oak tree, inside fence corner, in concrete post; standard tablet stamped "42 G 1931"	1,262.737
Reference mark, 12 ft. N. and 80 ft. E. from tablet, in root on N. side of 20-in. black-oak tree; copper nail and washer	1,266.33

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

2. FROM NORTH BORDER OF QUADRANGLE SOUTH TO SUMMERSVILLE

T. 29 N., R. 7 W., 0.4 mi. S. of NE. cor. sec. 2, 0.1 mi. S. of T-rd. W., on E. concrete head wall of wooden culvert; chiseled square	1,193.43
Laidly School, 0.2 mi. N. of, in W. part sec. 1, T. 29 N., R. 7 W., on E. side of rd. at S. gatepost opposite farmhouse, in root on N. side of 15-in. white-oak tree; copper nail and washer	1,212.62
Laidly School, 0.2 mi. E. of, on W. wing wall of S. abutment of wooden bridge; chiseled square	1,170.43
Summersville, 3.1 mi. NW. of, 36 ft. N. and 25 ft. W. from rd. fork W. about 0.4 mi. N. of SE. cor. sec. 2, T. 29 N., R. 7 W., in pasture fence corner, in concrete post; standard tablet stamped "44 G 1931"	1,253.706
Reference mark, 15 ft. N. and 5 ft. W. from tablet, in root on E. side of 15-in. oak tree; copper nail and washer	1,253.63
Summersville, 1.5 mi. NW. of, 0.2 mi. S. of cor. secs. 11, 12, 13, and 14, T. 29 N., R. 7 W., 20 ft. N. and 10 ft. W. from T-rd. W., on W. head wall of concrete culvert; chiseled square	1,248.14
Summersville, 0.5 mi. W. of post office, 0.2 mi. E. of cor. secs. 13, 14, 23, and 24, T. 29 N., R. 7 W., 10 ft. N. and 15 ft. W. from T-rd. N., on E. wing wall of N. concrete abutment of wooden bridge; chiseled square	1,202.71
Summersville, 13 ft. E. of NE. corner of E. gatepost, at S. entrance to high school grounds, in concrete post; standard tablet stamped "45 G 1931"	1,238.092
Reference mark, at S. entrance to schoolyard, on top of E. concrete gatepost; chiseled square	1,241.36

3. FROM SUMMERSVILLE SOUTH ALONG STATE HIGHWAY 17 TO SOUTH BORDER OF QUADRANGLE (by L. V. Johnson in 1931)

Summersville, 0.7 mi. S. of, along State Highway 17, at NE. corner of crossroad, on head wall of concrete culvert; chiseled square	1,192.50
Summersville, 1.8 mi. S. of, along State Highway 17, 220 ft. S. of mail box of H. P. Massie, 9 ft. S. and 20 ft. W. from highway at crossroad, on S. end of corrugated iron pipe culvert; chiseled square	1,219.28
Summersville, 3 mi. S. of, along State Highway 17, 295 ft. N. of highway at crossroad, 40 ft. E. of highway, 35 ft. S. and 2 ft. W. from fence corner opposite farmhouse of W. R. Williams, in concrete post; standard tablet stamped "T T 47 B 1931"	1,261.837
Reference mark, 20 ft. S. and 40 ft. E. from highway at private rd. E. through gate to farmhouse, 15 ft. S. of S. gatepost, in root on W. side of 8-in. oak tree; copper nail and washer	1,261.79
Summersville, 4 mi. S. of, along State Highway 17, 850 ft. S. and 18 ft. W. from highway at dim crossroad, on W. head wall of concrete culvert; chiseled square	1,249.04

Summersville, 5 mi. S. of, along State Highway 17, 80 ft. W. of highway, 15 ft. S. and 7 ft. W. from SE. corner of store and service station of Louis Beasley, on SE. corner of concrete cistern top; chiseled square	Feet 1,262.58
Summersville, 5.2 mi. S. of, along State Highway 17, about 0.3 mi. S. of store of Louis Beasley, 32 ft. N. and 40 ft. E. from highway at E.-W. crossroad (rd. W. to Arroll), 16 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 48 B 1931"	1,226.349
Reference mark, 20 ft. S. and 12 ft. W. from highway at crossroad, on head wall of concrete culvert; chiseled square	1,223.56
Summersville, 6.4 mi. S. of, along State Highway 17, 43 ft. S. and 33 ft. W. from highway at crossroad, in root on E. side of triangular-blazed 18-in. oak tree; copper nail and washer	1,200.77
Summersville, 7.7 mi. S. of, along State Highway 17, 40 ft. E. of junction of rd., 70 ft. S. of mail box of L. M. Campbell, in root on W. side of triangular-blazed 15-in. oak tree; copper nail and washer	1,162.56
Summersville, 8.3 mi. S. of, along State Highway 17, 0.8 mi. N. of bridge over Jacks Fork, about 100 ft. N. of top of grade leading out of valley, 30 ft. W. of highway, 17 ft. S. and 4 ft. E. from triangular-blazed 36-in. white-oak tree, in concrete post; standard tablet stamped "T T 49 B 1931"	1,142.072
Reference mark, 17 ft. N. of tablet, in root on E. side of triangular-blazed, large oak tree; copper nail and washer	1,142.44
Summersville, 9.2 mi. S. of, along State Highway 17, at SW. corner of bridge over Jacks Fork, on concrete abutment; chiseled square	873.00
Summersville, 10.1 mi. S. of, along State Highway 17, 0.9 mi. S. of bridge over Jacks Fork, at top of hill, 35 ft. S. and 95 ft. W. from foot gate in front of McGrath farmhouse, 26 ft. W. of W. edge of highway, in root on E. side of triangular-blazed 15-in. oak tree; copper nail and washer	1,127.53
Summersville, 10.8 mi. S. of, along State Highway 17, 2.3 mi. N. of junction of U.S. Highway 60, 34 ft. W. of highway at rd. SW., in root on E. side of triangular-blazed 10-in. oak tree; copper nail and washer	1,144.50
Mountain View, 2.9 mi. NE. of, along U.S. Highway 60 and State Highway 17, 1.2 mi. N. of Highway 60, 37 ft. E. of Highway 17, at top of hill, 165 ft. S. of dwelling of Lester Farrar, 40 ft. S. and 4 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 50 B 1931"	1,204.620
4. FROM POINT NEAR NORTHEAST CORNER OF QUADRANGLE SOUTHWEST TO POINT NEAR CENTER OF SOUTH BORDER (by S. T. Tudor in 1936) (Continued from Eminence quadrangle; see line 10.)	
County Route D at crossroad, 60 ft. N. and 40 ft. W. from, in root on S. side of 36-in. red-oak tree; nail	1,106.74
Spur, about 2 mi. SW. of, 45 ft. N. of County Route D at rd. N., in root on E. side of 10-in. oak tree; copper nail and washer	1,107.53
Junction of rd. S., 20 ft. S. and 25 ft. W. from, in root on E. side of 18-in. oak tree; nail	1,116.78
T. 29 N., R. 5 W., near center sec. 8, 20 ft. N. of rd. corner from E. to S., in churchyard, in root on S. side of 24-in. oak tree; copper nail and washer	1,148.54
Rd. corner from N. to W., 15 ft. S. and 20 ft. W. from, in root on N. side of 12-in. black-oak tree; nail	1,093.72
T. 29 N., R. 5 W., near cor. secs. 7, 8, 17, and 18, 100 ft. S. and 20 ft. E. from T-rd. S., in root on N. side of 12-in. oak tree; copper nail and washer	1,121.98
County Route D at E.-W. fences, 300 ft. S. and 50 ft. W. from, in root on E. side of 15-in. oak tree; nail	1,145.26
T. 29 N., R. 5 W., in sec. 18, 0.3 mi. N. of County Route D at rd. E. to Alley Spring State Park, 40 ft. E. of highway, in root on W. side of 30-in. oak tree; copper nail and washer	1,151.29
Junction of rd. E. to Alley Spring State Park, 50 ft. N. and 70 ft. E. from, in root on W. side of 24-in. oak tree; nail	1,194.51
T. 29 N., R. 5 W., in sec. 19, 60 ft. S. and 120 ft. W. from County Route D at rd. S., in root on E. side of 15-in. oak tree; copper nail and washer	1,240.93
Top of hill, 50 ft. E. of old rd., 50 ft. E. of proposed county route N.-S., in root on W. side of 24-in. oak tree; nail	1,189.29
T. 29 N., R. 5 W., in sec. 30, 50 ft. S. of old E.-W. rd., 50 ft. SW. of proposed county route, in root on N. side of triangular-blazed 24-in. black-oak tree; copper nail and washer	1,125.76
T. 29 N., R. 5 W., in sec. 30, 20 ft. S. of old rd., at junction of rd. SW., 200 ft. S. of dwelling of John Martin, in root on N. side of 18-in. black-oak tree; copper nail and washer	1,132.84
T. 29 N., R. 5 W., in SW $\frac{1}{4}$ sec. 29, 1.2 mi. N. of Black Pond School, 180 ft. N. of rd., 105 ft. S. of SE. corner of farmhouse of Boone Hodge, 25 ft. S. of lane leading into farmyard, in sandstone ledge; standard tablet stamped "T T 1619 E R A 1935"	1,125.649
Rd. at N.-S. fences, 20 ft. S. and 60 ft. W. from, in root on N. side of 24-in. oak tree; nail	1,083.43
Black Pond School, 150 ft. S. and 15 ft. E. from crossroads at cor. secs. 28, 29, 32, and 33, T. 29 N., R. 5 W., 122 ft. W. of NW. corner of schoolhouse; iron post stamped "Prim Trav Sta No 10 1914 Mo"	1,085.650
Top of hill, 20 ft. E. of rd., in root on W. side of 15-in. oak tree; nail	1,071.10
Tps. 28 and 29 N., R. 5 W., near cor. secs. 4, 5, 32, and 33, 1 mi. N. of Jacks Fork, 10 ft. E. of old rd., in deep gully, in root on W. side of triangular-blazed 10-in. oak tree; copper nail and washer	851.19
T. 28 N., R. 5 W., in sec. 4, 150 ft. N. and 200 ft. W. from Jacks Fork at mouth of creek from NW., 10 ft. E. of old N.-S. rd., in root on W. side of 36-in. elm tree; copper nail and washer	705.90
Jacks Fork, on W. bank, 100 ft. N. of lane to farmhouse of George Dyer, 15 ft. W. of edge of water, in root on W. side of 15-in. ash tree; nail	706.49

	<u>Feet</u>
T. 28 N., R. 5 W., in sec. 8, on W. bank of Jacks Fork, 250 ft. S. of farmhouse of Wm. Dyer, 30 ft. N. of edge of water, in root on N. side of 24-in. elm tree; copper nail and washer	719.20
Ford across Jacks Fork, 10 ft. N. and 100 ft. W. from, in root on S. side of 12-in. sycamore tree; nail	720.65
T. 28 N., R. 5 W., near cor. secs. 17, 18, 19, and 20, 20 ft. N. and 300 ft. W. from Jacks Fork at mouth of Leatherwood Creek, in root on E. side of 24-in. twin black-locust tree; copper nail and washer	731.36
Junction of rd. SW., 15 ft. N. and 30 ft. E. from, in hollow, in root on E. side of 12-in. oak tree; nail	814.63
T. 28 N., R. 5 W., in sec. 19, 10 ft. N. and 15 ft. W. from rd. forks N. and NE., in root on E. side of 24-in. oak tree; copper nail and washer	1,071.79
T. 28 N., R. 5 and 6 W., near quarter cor. between secs. 19 and 24, at junction of ridges N., W., and E., 30 ft. SE. of old rd., 50 ft. SW. of foundation of burned house, in root on N. side of 30-in. oak tree; nail	1,100.09
T. 28 N., R. 6 W., in sec. 24, 10 ft. N. of old E.-W. rd., in root on S. side of 24-in. oak tree; copper nail and washer	1,115.49
Rd. E.-W., 10 ft. S. of, in root on N. side of 24-in. oak tree; nail	1,129.39
T. 28 N., R. 6 W., near quarter cor. between secs. 23 and 24, 30 ft. S. and 120 ft. E. from rd. fork NE., in root on S. side of 24-in. oak tree; copper nail and washer	1,094.98
Rd. E.-W., 10 ft. S. of, in root on N. side of 24-in. oak tree; nail	1,099.82
T. 28 N., R. 6 W., near quarter cor. between secs. 22 and 23, 20 ft. S. of E.-W. rd., in root on N. side of 18-in. oak tree; copper nail and washer	1,115.49
T. 28 N., R. 6 W., quarter cor. between secs. 22 and 27, 45 ft. S. and 20 ft. W. from crossroads, in root on NE. side of 10-in. oak tree; copper nail and washer	1,113.17
Rd. N.-S. at fence E., 20 ft. S. and 10 ft. E. from, in root on W. side of 18-in. oak tree; nail	1,119.02
T. 28 N., R. 6 W., in sec. 27, 10 ft. N. of E.-W. rd., in root on S. side of 12-in. oak tree; copper nail and washer	1,087.67
Rd. E.-W., 10 ft. N. of, in root on S. side of 15-in. oak tree; nail	1,049.20
T. 28 N., R. 6 W., in sec. 35, at top of hill, 30 ft. N. and 25 ft. E. from rd. forks, in root on S. side of 24-in. oak tree; copper nail and washer	1,074.04
T. 28 N., R. 6 W., in sec. 35, about 0.2 mi. W. of Ebb and Flow Camp, 150 ft. N. of N. bank of Jacks Fork, 10 ft. S. of E.-W. rd., in root on W. side of 12-in. elm tree; copper nail and washer	776.48
Rd. N.-S., 10 ft. E. of, in root on W. side of 12-in. oak tree; spike	785.44
T. 28 N., R. 6 W., in sec. 35, on high knob, 15 ft. E. of old rd., in root on W. side of 15-in. black-oak tree; copper nail and washer	1,063.13
Top of hill, 60 ft. S. and 15 ft. E. from, in root on W. side of 24-in. black-oak tree; spike	1,078.91
T. 27 N., R. 6 W., about 500 ft. S. and 20 ft. E. from W. sixteenth cor. between secs. 2 and 11, 10 ft. E. of rd., in root on SE. side of 15-in. walnut tree; copper nail and washer	1,060.90
Rd., 40 ft. E. of, in root on W. side of 24-in. oak tree; spike	1,083.66
T. 27 N., R. 6 W., near W. sixteenth cor. between secs. 11 and 14, 30 ft. S. and 10 ft. E. from crossroads, in root on E. side of 12-in. oak tree; copper nail and washer	1,088.96
Rd. at E.-W. fences, 15 ft. N. and 10 ft. E. from, in root on W. side of 15-in. oak tree; spike	1,077.70

(Continued in Montier quadrangle; see line 8.)

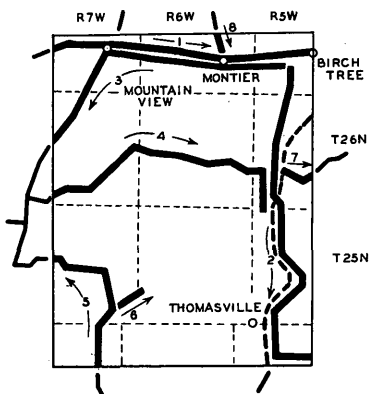
5. WEST THROUGH CENTER OF QUADRANGLE

T. 29 N., R. 6 W., in sec. 26, 20 ft. S. and 20 ft. E. from E.-W. rd. at entrance S. to farm of M. Renfrow, in root on N. side of 36-in. oak tree; copper nail and washer	1,165.89
Lane E.-W. at entrance S. to farm, 5 ft. E. of, on large sandstone rock; painted square	1,122.27
T. 29 N., R. 6 W., near quarter cor. between secs. 26 and 35, 50 ft. S. of rd., in root on NW. side of 18-in. oak tree; copper nail and washer	1,101.33
T. 29 N., R. 6 W., cor. secs. 26, 27, 34, and 35, 50 ft. S. and 23 ft. E. from crossroads, 0.2 mi. W. of Randolph School, 40 ft. S. of fence corner, 3 ft. E. of fence, in concrete post; standard tablet stamped "T T 1818 E R A 1935"	1,088.364
Creek crossing, 20 ft. S. and 10 ft. E. from, in root on W. side of 18-in. oak tree; spike	1,034.36
Tps. 28 and 29 N., R. 6 W., cor. secs. 2, 3, 34, and 35, 50 ft. S. and 15 ft. W. from rd. at E.-W. fences, in root on E. side of 15-in. oak tree; copper nail and washer	1,123.16
T. 28 N., R. 6 W., quarter cor. between secs. 2 and 3, 20 ft. S. and 25 ft. W. from T-rd. N., in root on N. side of 12-in. oak tree; copper nail and washer	1,131.01
Top of hill, 20 ft. N. of rd., in root on S. side of 12-in. oak tree; spike	1,153.24
T. 28 N., R. 6 W., quarter cor. between secs. 3 and 4, 30 ft. N. and 12 ft. W. from rd. at N.-S. lane, 1.2 mi. W. of Pine Grove, 800 ft. E. of house, 5 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 1817 E R A 1935"	1,141.405
Top of hill, 20 ft. S. and 200 ft. E. from junction of farm entrance S., in root on N. side of 5-in. oak tree; spike	1,189.96
T. 28 N., R. 6 W., near quarter cor. between secs. 4 and 5, 35 ft. N. and 30 ft. W. from T-rd. E., in root on E. side of 12-in. oak tree; copper nail and washer	1,180.64

T-rd. S., 30 ft. S. and 40 ft. W. from, in root on S. side of 24-in. oak tree; spike	Feet 1,233.48
Rd. in valley, 30 ft. N. of, in root on S. side of 24-in. oak tree; spike	1,234.32
T. 28 N., R. 6 W., N. cor. secs. 5 and 6, 30 ft. S. and 20 ft. W. from	
T-rd. S., in root on NE. side of 12-in. oak tree; copper nail and washer	1,261.69
Oakside, 1.5 mi. N. of post office, 18 ft. S. and 23 ft. E. from crossroads at quarter cor. between secs. 5 and 6, T. 28 N., R. 6 W., 10 ft. E. of fence corner, near triangular-blazed tree, in concrete post; standard tablet stamped "T T 1816 E R A 1935"	1,202.725
T. 28 N., R. 6 W., near cor. secs. 5, 6, 7, and 8, 30 ft. W. of rd., in root on E. side of 24-in. oak tree; copper nail and washer	1,191.30
Oakside School, 60 ft. S. and 100 ft. E. from SE. corner of, 15 ft. E. of rd., in root on W. side of 24-in. oak tree; spike	1,189.76
T. 28 N., R. 6 W., cor. secs. 7, 8, 17, and 18, 60 ft. N. and 20 ft. E. from T-rd. W., in root on W. side of 18-in. oak tree; copper nail and washer	1,208.26
Crossroads, 30 ft. S. and 50 ft. W. from, in root on N. side of 24-in. oak tree; spike	1,231.78
T. 28 N., R. 6 W., W. cor. secs. 7 and 18, 30 ft. N. of curve in rd., in root on S. side of 12-in. oak tree; copper nail and washer	1,236.74
Top of ridge, 20 ft. N. of rd., in root on N. side of 18-in. hickory tree; spike	1,239.67
T. 28 N., R. 7 W., near quarter cor. between secs. 11 and 14, 20 ft. N. and 70 ft. E. from rd. fork NE., in root on S. side of 24-in. oak tree; copper nail and washer	1,150.74
Rd. forks, 20 ft. N. and 40 ft. W. from, in root on N. side of 30-in. oak tree; spike	1,152.23
T-rd. N., 10 ft. N. and 30 ft. W. from, in root on S. side of 18-in. oak tree; spike	1,203.29
T. 28 N., R. 7 W., near cor. secs. 10, 11, 14, and 15, 20 ft. N. of rd., in root on S. side of 12-in. oak tree; copper nail and washer	1,235.16
Top of hill, 18 ft. S. and 10 ft. E. from rd. at lane S., in N. side of corner fence post; spike	1,224.79
Arroll, 1 mi. E. of, cor. secs. 9, 10, 15, and 16, T. 28 N., R. 7 W., 30 ft. S. and 10 ft. W. from crossroads, in root on E. side of 12-in. oak tree; copper nail and washer	1,142.47
Bridge, on S. side of, in wooden curb; spike	1,079.51
Arroll, 25 ft. N. and 135 ft. E. from crossroads at cor. secs. 8, 9, 16, and 17, T. 28 N., R. 7 W., 10 ft. N. of SE. corner of churchyard, in concrete post; standard tablet stamped "T T 1815 E R A 1935"	1,202.996
Top of hill, 15 ft. N. of rd., in W. gatepost; spike	1,210.31
T. 28 N., R. 7 W., cor. secs. 7, 8, 17, and 18, 40 ft. N. and 15 ft. W. from crossroads, in root on E. side of 12-in. oak tree; copper nail and washer	1,150.53
Top of hill, 10 ft. E. of rd., in root on W. side of 12-in. oak tree; spike	1,212.95
T. 28 N., R. 7 W., near cor. secs. 5, 6, 7, and 8, 20 ft. S. and 30 ft. E. from rd. fork N., in root on W. side of 18-in. oak tree; copper nail and washer	1,120.56
Butternut Creek, on bank of, 15 ft. W. of rd., in root on W. side of 12-in. elm tree; spike	1,083.02

(Continued in Clear Springs quadrangle; see line 3.)

MONTIER QUADRANGLE
(Latitude $36^{\circ}45' - 37^{\circ}00'$; longitude $91^{\circ}30' - 91^{\circ}45'$)
Howell, Oregon, and Shannon Counties



1. EAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO EAST BORDER OF
QUADRANGLE (second-order line by H. P. Jones in 1934)
(Continued from Willow Springs quadrangle; see line 1.)

	<u>Feet</u>
Mountain View, 2 mi. W. of, along St. Louis-San Francisco Ry., 25 ft. S. and 90 ft. E. from rd. crossing, in root on NE. side of 30-in. black-oak tree; copper nail and washer	1,237.06
Mountain View, 1 mi. W. of, along St. Louis-San Francisco Ry., 65 ft. S. and 25 ft. W. from track at telegraph pole 308.20, 15 ft. S. of S. right-of-way fence, near center of triangle formed by three trees, in root of white-oak tree; copper nail and washer	1,167.28
Mountain View, 760 ft. W. of St. Louis-San Francisco Ry. sta., 200 ft. W. of rd., 57 ft. N. of track, on side of bank, 2 ft. from fence; iron post stamped "Prim Trav Sta No 48 1913 Mo"	1,144.098
Mountain View, 600 ft. W. of St. Louis-San Francisco Ry. sta., 14 ft. N. and 72 ft. W. from track at crossing of County Route D, 6 ft. S. and 20 ft. W. from fence corner, in concrete post; standard tablet stamped "9 J 1934 1136"	1,135.910
Mountain View, 0.7 mi. E. of, along U.S. Highway 60, 55 ft. S. of highway at rd. N., 30 ft. S. and 6 ft. W. from fence corner, in root on NW. side of 12-in. oak tree; copper nail and washer	1,154.60
Mountain View, 1.3 mi. E. of, along St. Louis-San Francisco Ry., in S. end of W. abutment of wooden trestle 310.8; copper nail and washer	1,104.89
Mountain View, 1.8 mi. E. of, 300 ft. E. of junction of U.S. Highway 60 and State Highway 17, 17 ft. S. of Highway 60, on S. head wall of concrete culvert; chiseled square	1,102.20
Mountain View, 2 mi. E. of, along St. Louis-San Francisco Ry., 65 ft. S. of rd. crossing, 300 ft. NW. of milepost 311.30, in corner of pasture, in root on N. side of 24-in. black-oak tree; copper nail and washer	1,084.32
Mountain View, 3 mi. E. of, along St. Louis-San Francisco Ry., 200 ft. SE. of milepost 312.30, 40 ft. N. and 55 ft. E. from rd. crossing, at crossroads, in root on N. side of 24-in. black-oak tree; copper nail and washer	1,090.17
Teresita, 30 ft. N. and 45 ft. W. from St. Louis-San Francisco Ry. sta., 12 ft. N. of milepost 314, in concrete post; standard tablet stamped "31 G 1931"	1,155.122
Reference mark, 27 ft. N. and 3 ft. W. from NW. corner of sta., in root on S. side of 15-in. black-oak tree; copper nail and washer	1,153.53
Montier, 2.2 mi. W. of, along St. Louis-San Francisco Ry., 350 ft. NW. of milepost 315, 20 ft. N. of N. right-of-way fence, in root on S. side of 20-in. black-oak tree; copper nail and washer	1,087.82
Montier, 1.1 mi. W. of, along St. Louis-San Francisco Ry., 175 ft. E. of milepost 316, 10 ft. S. of track, on sandstone ledge; chiseled square	1,076.64
Montier, 190 ft. W. of St. Louis-San Francisco Ry. sta., 80 ft. E. of section house, 15 ft. N. of track, 2 ft. from fence corner; iron post stamped "Prim Trav Sta No 49 1913 Mo"	1,038.948
Reference mark, at general store, on SE. corner of E. end of concrete sidewalk; chiseled square	1,041.15
Montier, 0.8 mi. E. of, along St. Louis-San Francisco Ry., 700 ft. W. of milepost 318, 55 ft. S. of rd. crossing, in root on N. side of 18-in. hickory tree; copper nail and washer	1,072.04
Montier, 1.8 mi. E. of St. Louis-San Francisco Ry. sta., 3.3 mi. W. of Birch Tree, 30 ft. N. and 20 ft. E. from rd. crossing, 525 ft. W. of milepost 319, 2 ft. N. of right-of-way, in fence corner, in concrete post; standard tablet stamped "30 G 1931"	1,072.684
Birch Tree, 2.1 mi. W. of, along St. Louis-San Francisco Ry., 60 ft. NW. of first telegraph pole W. of pole 320.5, 25 ft. N. of N. right-of-way fence, in root on SE. side of 30-in. black-oak tree; copper nail and washer	991.33

Birch Tree, 1.3 mi. W. of, along St. Louis-San Francisco Ry., 50 ft. N. and 30 ft. E. from rd. crossing, in root on S. side of 15-in. white-oak tree; copper nail and washer	Feet 995.91
Birch Tree, 0.4 mi. SW. of, along St. Louis-San Francisco Ry., 50 ft. SW. of rd. crossing, N. of track, on top of E. end of N. head wall of concrete culvert; chiseled square	988.22

(Continued in Bandyville quadrangle; see line 2.)

2. SOUTH ALONG EAST BORDER OF QUADRANGLE FOLLOWING STATE HIGHWAY 19
(by W. R. Broadus in 1925)

Birch Tree, 1.6 mi. SW. of, along State Highway 19, 350 ft. N. of junction of rd. E., 345 ft. S. of junction of rd. W., on W. side of highway, in fence line, in root on NE. side of 15-in. black-oak tree; copper nail and washer	958.35
Birch Tree, 2.2 mi. SW. of, along State Highway 19, 140 ft. SE. of dwelling of Roy Speaker, 25 ft. E. of highway, in root on W. side of 16-in. pine tree; copper nail and washer	986.31
Birch Tree, 3.5 mi. SW. of, along State Highway 19, 1.3 mi. SW. of dwelling of Roy Speaker, on top of hill, 55 ft. W. of junction of lane SE. to dwelling of F. L. Ward, 15 ft. W. of highway, in concrete post; standard tablet stamped "60 B 1925"	1,022.909
Reference mark, 65 ft. SE. of tablet, E. of highway, S. side of gate, in root on S. side of 14-in. post-oak tree; copper nail and washer	1,022.51
Birch Tree, 4.6 mi. SW. of, along State Highway 19, 0.3 mi. S. of small pond on W. side of highway, 40 ft. N. of dim cross rd., 12 ft. W. of highway, in root on NW. side of 15-in. black-oak tree; copper nail and washer	987.23
Birch Tree, 5.2 mi. SW. of, along State Highway 19, 110 ft. W. of highway at private lane to dwelling of J. F. Bradley, on S. side of lane, in root on E. side of 24-in. post-oak tree; copper nail and washer	992.92
Birch Tree, 6.6 mi. SW. of, along State Highway 19, 350 ft. W. of Spring Creek, 45 ft. NW. of highway, 8 ft. E. of private lane to dwelling of J. W. Holden, in root of 36-in. black-oak tree; copper nail and washer	861.04
Birch Tree, 7.5 mi. SW. of, along State Highway 19, 32 ft. N. and 37 ft. W. from junction of rd. W., 6 ft. E. of fence line, in concrete post; standard tablet stamped "61 B 1925"	894.163
Reference mark, 44 ft. N. 30° E. of tablet, in root on E. side of 12-in. red-oak tree; copper nail and washer	891.43
Birch Tree, 8.7 mi. SW. of, along State Highway 19, 96 ft. N. of Oregon-Shannon county line, 37 ft. S. and 78 ft. E. from church, 17 ft. W. of highway, in root on N. side of 12-in. post-oak tree; copper nail and washer	959.63
Birch Tree, 9.5 mi. SW. of, along State Highway 19, 0.8 mi. S. of Oregon-Shannon county line, 300 ft. S. of junction of rd. E. down hollow, 40 ft. W. of highway, 20 ft. S. of fence, in root on S. side of 18-in. red-oak tree; copper nail and washer	882.28
Birch Tree, 10.4 mi. SW. of, along State Highway 19, 1.7 mi. S. of Oregon-Shannon county line, 25 ft. W. of highway, 18 ft. N. of lane to farmhouse of H. H. House, in root on W. side of small tree; copper nail and washer	949.12
Birch Tree, 11.1 mi. S. of, along State Highway 19, 6.2 mi. N. of Thomasville, 500 ft. N. of dwelling of John Ledbetter, 17 ft. W. of highway, 15 ft. S. of dim rd. W., in root on S. side of 12-in. black-oak tree; copper nail and washer	981.27
Thomasville, 5.5 mi. NW. of, along State Highway 19, 17 ft. S. and 215 ft. E. from junction of rd. E., on E. side of small ravine, in concrete post; standard tablet stamped "62 B 1925"	975.298
Reference mark, 50 ft. S. 70° W. of tablet, in ravine, in root on N. side of 24-in. hickory tree; copper nail and washer	973.68
Thomasville, 4.4 mi. N. of, along State Highway 19, 0.4 mi. S. of farmhouse of R. D. Bardin, at top of hill, 70 ft. NW. of junction of rd. W., 25 ft. SW. of junction of rd. NE., 23 ft. W. of highway, in root on E. side of 18-in. hickory tree; copper nail and washer	991.61
Thomasville, 3.5 mi. N. of, along State Highway 19, 25 ft. NW. of gate across timber rd., 20 ft. S. of highway, on W. side of hollow, in root on N. side of 14-in. blackjack-oak tree; copper nail and washer	893.58
Thomasville, 3 mi. N. of, along old State Highway 19, on top of ridge, 23 ft. W. of junction of rd., 16 ft. E. of fence, in concrete post; standard tablet stamped "63 B 1925"	966.592
Reference mark, 60 ft. N. 70° E. of tablet, in root on W. side of 20-in. red-oak tree; copper nail and washer	965.40
Thomasville, 1.8 mi. N. of, along State Highway 19, 25 ft. N. of junction of rd., 15 ft. E. of highway, at forks of hollow, in root on W. side of 10-in. post-oak tree; copper nail and washer	755.95
Thomasville, 8 ft. S. of entrance to Bank of Thomasville, in porch floor; standard tablet stamped "64 B 1925"	639.963
Reference mark, 220 ft. S. of tablet, on top of upper, middle pier of bridge over Eleven Point River; chiseled square	641.44
Eleven Point River at Thomasville, under State Highway 19 bridge; surface of water at 2 p.m. November 6, 1925	629.8
Middle Fork of Eleven Point River at Thomasville, under State Highway 19 bridge; surface of water at 2 p.m. November 6, 1925	629.0
Thomasville, 0.6 mi. S. of, along State Highway 19, 40 ft. N. of private lane E., 30 ft. E. of highway, in root on W. side of forked walnut tree; copper nail and washer	645.47
Thomasville, 1.3 mi. S. of, along State Highway 19, 15 ft. E. of junction of rd. W., in root on N. side of 20-in. red-oak tree; copper nail and washer	744.37

Barren Fork of Eleven Point River, under State Highway 19 bridge; surface of water at 3 p.m., November 7, 1925	<u>Feet</u> 645.7
Thomasville, 1.8 mi. S. of, along State Highway 19, 220 ft. E. of Barren Fork of Eleven Point River, 18 ft. N. of highway, in root on SW. side of 20-in. hackberry tree; copper nail and washer	648.70
Thomasville, 2.7 mi. SE. of, along old State Highway 19, in NE $\frac{1}{4}$ sec. 9, T. 24 N., R. 5 W., 15 ft. W. of highway at dim rd. E., 95 ft. S. of Pose mail box, in concrete post; standard tablet stamped "65 B 1925"	739.009
Reference mark, 42 ft. N. 45° W. of tablet, 7 ft. inside of fence, in root on E. side of 10-in. hackberry tree; copper nail and washer	738.91

(Continued in Bandyville quadrangle; see line 5.)

3. FROM BIRCH TREE WEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO MOUNTAIN VIEW, THENCE SOUTHWEST TO WEST BORDER OF QUADRANGLE (by E. W. Gouchenour in 1931. Benchmarks omitted on portion of line along St. Louis-San Francisco Ry. are included in second-order line by H. P. Jones in 1934)

Birch Tree, 2.1 mi. W. of, along St. Louis-San Francisco Ry., 600 ft. NE. of milepost 320.0, 60 ft. NW. of track, inside of fence, in root on S. side of 48-in. black-oak tree; copper nail and washer	986.96
Montier, 1.8 mi. E. of, along St. Louis-San Francisco Ry., 15 ft. N. and 30 ft. W. from rd. crossing, in root on E. side of 14-in. white-oak tree; copper nail and washer	1,073.60
Mountain View, at St. Louis-San Francisco Ry. sta., on SE. corner of concrete drain at water tank; chiseled square	1,134.13
Mountain View, 1.1 mi. SW. of, along E. fork of Mountain View-West Plains rd., 150 ft. N. of dwelling of Jasper Tyler, 20 ft. W. of rd., in root on E. side of 36-in. white-oak tree; copper nail and washer	1,196.04
Mountain View, 2 mi. SW. of, in SE. cor. sec. 33, T. 27 N., R. 7 W., 20 ft. N. and 20 ft. W. from T-rd. W., inside pasture, in root on E. side of 30-in. black-oak tree; copper nail and washer	1,185.33
Mountain View, 2.5 mi. SW. of, 20 ft. S. and 100 ft. W. from T-rd. N. about 0.2 mi. W. of cor. secs. 3, 4, 33, and 34, Tps. 26 and 27 N., R. 7 W., in concrete post; standard tablet stamped "32 G 1931"	1,132.600
Reference mark, 10 ft. N. and 30 ft. W. from tablet, in root on N. side of 30-in. white-oak tree; copper nail and washer	1,131.55
Mountain View, 3.7 mi. S. of, along old West Plains rd., at quarter cor. between secs. 4 and 5, T. 26 N., R. 7 W., 25 ft. S. and 15 ft. W. from junction of rd. W., in root on W. side of 20-in. black-oak tree; copper nail and washer	1,140.40
Mountain View, 4.6 mi. SW. of, in NE. cor. sec. 8, T. 26 N., R. 7 W., 200 ft. S. of rd. corner from E. to S., 20 ft. W. of rd., in root on SE. side of 18-in. red-oak tree; copper nail and washer	1,094.34
Mountain View, 5.6 mi. SW. of, 60 ft. S. and 55 ft. W. from crossroads near quarter cor. between secs. 8 and 17, T. 26 N., R. 7 W., in NE. corner of Ebenezer churchyard, in concrete post; standard tablet stamped "33 G 1931"	1,146.727
Reference mark, 45 ft. N. of tablet, in root on E. side of 15-in. white-oak tree; copper nail and washer	1,147.71

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

4. FROM WEST BORDER OF QUADRANGLE EAST TO STATE HIGHWAY 19, THENCE SOUTH ABOUT 3 MILES (by J. G. Bardsley in 1935)
(Continued from Willow Springs quadrangle; see line 3.)

T. 26 N., R. 7 W., 256 ft. N. of stone at S. quarter cor. sec. 32, 180 ft. E. of NE. corner of stone dwelling on W. side of rd., 2 ft. E. of rail fence on E. side of rd., in concrete post; standard tablet stamped "T T 1465 E R A 1935"	1,072.821
T. 26 N., R. 7 W., near center sec. 32, 0.7 mi. NE. of two-story stone dwelling of John Eldringhoff, on rd. E. to Eleven Point River, 25 ft. N. of rd. at curve, in root of 40-in. oak tree; copper nail and washer	1,058.40
T. 26 N., R. 7 W., in $\frac{1}{2}$ sec. 33, about 0.2 mi. W. of dwelling of A. Davidson, on rd. E. to Eleven Point River, 20 ft. N. of rd., 5 ft. N. of fence S., in root of 14-in. oak tree; copper nail and washer	1,071.56
T. 26 N., R. 7 W., near line between secs. 33 and 34, on rd. NE., 0.2 mi. S. of Eleven Point River, 500 ft. W. of farmhouse of Charles Henry, 50 ft. E. of curve in rd., in root of 24-in. oak tree; copper nail and washer	1,037.13
T. 26 N., R. 7 W., in NW $\frac{1}{4}$ sec. 34, on rd. NE. to Mountain View, near crossing of Eleven Point River, 50 ft. NW. of rd., in root on E. side of 30-in. elm tree; copper nail and washer	784.63
T. 26 N., R. 7 W., in sec. 27, 57 ft. E. of rd., 3 ft. S. and 14 ft. W. from SW. corner of dwelling on Donaldson farm, 4 ft. E. of concrete well curb, in concrete post; standard tablet stamped "T T 1466 E R A 1935"	1,057.760
Cedar Hill School No. 2, in sec. 26, T. 26 N., R. 7 W., 100 ft. NE. of rd. forks, at entrance to schoolhouse, on SW. corner of bottom concrete step; chiseled square	1,048.46
T. 26 N., R. 7 W., near center sec. 24, near junction of Mountain View-Thomasville rd. and old logging rd. SW. to Cedar Hill School No. 2, 160 ft. S. of dwelling of Bert Triplett, 12 ft. E. of N.-S. rd., 20 ft. N. of logging rd. at E. fence line, in root of 24-in. oak tree; copper nail and washer	1,089.95

	Feet
T. 26 N., R. 7 W., 25 ft. N. and 526 ft. E. from stone in rd. corner from S. to E. at N. sixteenth cor. sec. 24, 42 ft. N. of rd., 48 ft. S. and 21 ft. W. from SW. corner of stone dwelling of Robert Woody, 2 ft. E. of yard fence, in concrete post; standard tablet stamped "T T 1467 E R A 1935"	1,072.385
T. 26 N., R. 6 W., near center sec. 19, on E.-W. rd. to State Highway 19, 75 ft. S. of stone dwelling of Walter Allen, 25 ft. S. of rd., in root of 12-in. oak tree; copper nail and washer	1,099.16
T. 26 N., R. 6 W., near quarter cor. between secs. 19 and 20, 225 ft. E. of dwelling of Fred Rondies, 15 ft. S. of T-rd. N., in root of 24-in. oak tree; copper nail and washer	1,108.65
Marble Hill School, about 845 ft. E. of quarter cor. between secs. 20 and 21, T. 26 N., R. 6 W., 60 ft. N. of rd., at entrance to schoolhouse, on top of concrete steps; chiseled square	1,076.21
T. 26 N., R. 6 W., near quarter cor. between secs. 21 and 28, 27 ft. E. of corner stone, 12 ft. S. of curve in rd., in root on W. side of 24-in. oak tree; nail	1,049.93
Congo triangulation sta., in sec. 28, T. 26 N., R. 6 W., on highest point of cut over timbered hill known as High Hill, 5.5 meters (18 ft.) NNW. of blazed 18-in. oak tree, 5.8 meters (19 ft.) ENE. of blazed 20-in. oak tree, in concrete post; U.S.C. & G.S. standard disk stamped "Congo"	1,134.284
T. 26 N., R. 6 W., near cor. secs. 21, 22, 27, and 28, 50 ft. W. of fence, 30 ft. S. of rd., in root of 8-in. hickory tree; copper nail and washer	1,056.90
T. 26 N., R. 6 W., near E. sixteenth cor. between secs. 22 and 27, 20 ft. S. and 75 ft. E. from rd. fork NW. to Montier, in root of 12-in. oak tree; spike and washer	1,029.71
T. 26 N., R. 6 W., near quarter cor. between secs. 26 and 27, at T-rd. E., on corner stone	1,010.27
T. 26 N., R. 6 W., in sec. 25, 36 ft. N. of rd., 18 ft. S. of SW. corner of dwelling of John Ledgewood, in front yard, in concrete post; standard tablet stamped "T T 1468 E R A 1935"	1,002.488
T. 26 N., Rs. 5 and 6 W., near cor. secs. 19, 24, 25, and 30, on E.-W. rd., about 0.8 mi. W. of old State Highway 19, 200 ft. E. of dwelling of John Pierce, 30 ft. S. of rd., 15 ft. N. of barn, in base of 12-in. hickory tree; copper nail and washer	976.97
T. 26 N., R. 5 W., near E. sixteenth cor. between secs. 19 and 30, 75 ft. N. of old State Highway 19, at rd. W., in base of 18-in. oak tree; copper nail and washer	891.30
T. 25 N., Rs. 5 and 6 W., near quarter cor. between secs. 1 and 6, 6.5 mi. NW. of Thomasville, 50 ft. NW. of old State Highway 19, at rd. W., 15 ft. N. of fence W., in base on E. side of 30-in. oak tree; copper nail and washer	913.19

5. IN SOUTHWEST QUARTER OF QUADRANGLE (by F. Y. Brown and E. J. Noonan in 1936)

(Continued from Thayer quadrangle; see line 7.)

West Plains, 10.2 mi. NE. of, along State Highway 80, 30 ft. S. and 34 ft. E. from highway, at crossroad, at quarter cor. between secs. 11 and 14, T. 24 N., R. 7 W., 1 ft. N. and 15 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 5 J J 1936"	997.713
Reference mark, 25 ft. S. and 50 ft. W. from tablet, in root on W. side of 18-in. hickory tree; copper nail and washer	999.47
T. 24 N., R. 7 W., near quarter cor. between secs. 2 and 11, 20 ft. S. and 42 ft. W. from crossroads, in root on E. side of 12-in. black-oak tree; copper nail and washer	1,029.69
Fanchon rd. at crossroad, 33 ft. N. and 22 ft. W. from, in root on W. side of 22-in. post-oak tree; crossed nails	1,019.02
T. 24 N., R. 7 W., near center sec. 2, 90 ft. N. and 30 ft. E. from T-rd. W., in root on W. side of 14-in. black-oak tree; copper nail and washer	1,004.34
Fanchon, 0.5 mi. S. of, 2 ft. N. and 26 ft. W. from sixteenth cor. 0.25 mi. W. of S. cor. secs. 34 and 35, T. 25 N., R. 7 W., 2 ft. N. and 10 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 6 J J 1936"	931.083
Fanchon, in sec. 34, T. 25 N., R. 7 W., 20 ft. N. and 150 ft. E. from T-rd. S., 55 ft. N. and 10 ft. E. from NW. corner of Bonham store, in E.-W. fence line, in root on N. side of 24-in. black-oak tree; copper nail and washer	925.45
Rd. corner from S. to E., 50 ft. N. and 30 ft. W. from, in root on S. side of 36-in. black-oak tree; crossed nails	925.69
Fanchon, 0.8 mi. E. of, in NE $\frac{1}{4}$ sec. 35, T. 25 N., R. 7 W., at W. end of wooden bridge over Gunters Creek, on S. concrete head wall; chiseled square	869.04
Rd. at curve, 15 ft. S. of, 150 ft. N. and 20 ft. E. from dwelling of E. D. Bryson, in root on W. side of 10-in. white-oak tree; crossed nails	973.08
Fanchon, 1.7 mi. E. of, in SW $\frac{1}{4}$ sec. 36, T. 25 N., R. 7 W., 18 ft. N. and 18 ft. E. from T-rd. N., 2 ft. N. and 8 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 7 J J 1936"	931.905
Reference mark, 30 ft. S. and 6 ft. E. from tablet, in root on E. side of 24-in. black-oak tree; copper nail and washer	936.41
High Dock School, 20 ft. S. and 30 ft. E. from, 75 ft. W. of rd., in root on N. side of 22-in. black-oak tree; crossed nails	947.94
T. 25 N., R. 7 W., near quarter cor. between secs. 25 and 26, 105 ft. W. of NW. corner of dwelling of Amos Willard, 12 ft. E. of rd., in root on N. side of 12-in. hickory tree; copper nail and washer	930.40
Low-water bridge, 680 ft. N. of, 12 ft. W. of rd. at curve, in N.-S. fence line, in root on N. side of 20-in. white-oak tree; crossed nails	853.50
T. 25 N., R. 7 W., near W. sixteenth cor. sec. 23, 30 ft. N. and 10 ft. E. from T-rd. S., 10 ft. N. of E.-W. fence, in root on N. side of 18-in. black-oak tree; copper nail and washer	973.73

T-rd. S., 12 ft. N. of, in root on N. side of 14-in. black-oak tree; crossed nails	<u>Feet</u> 980.94
Peace Valley, 3.2 mi. SE. of, 10 ft. W. of rd. corner from E. to N. at center of NE $\frac{1}{4}$ sec. 22, T. 25 N., R. 7 W., 295 ft. W. of T-rd. S., in concrete post; standard tablet stamped "T T 9 J J 1936"	988.729
Top of ridge, on N. side of rd., in yard of N. I. Eblen, in root on S. side of 20-in. black-oak tree; bent nail	1,029.05
Peace Valley, about 2.2 mi. SE. of, near cor. secs. 15, 16, 21, and 22, T. 25 N., R. 7 W., 25 ft. N. and 80 ft. W. from T-rd. N., in root on N. side of 14-in. walnut tree; copper nail and washer	991.15
T-rd. S., 15 ft. N. and 35 ft. E. from, in root on S. side of 14-in. hickory tree; crossed nails	1,015.88
Peace Valley, 1.5 mi. SE. of, 10 ft. N. and 50 ft. E. from approximate cor. secs. 16, 17, 20, and 21, T. 25 N., R. 7 W., 21 ft. N. and 50 ft. E. from T-rd. E., in root on N. side of 22-in. white-oak tree; copper nail and washer	1,052.79
Peace Valley, 0.8 mi. E. of, near quarter cor. between secs. 16 and 17, T. 25 N., R. 7 W., 15 ft. N. and 60 ft. W. from crossroads, in root on S. side of 26-in. black-oak tree; copper nail and washer	1,067.97
Peace Valley, 2 ft. S. and 28 ft. E. from stone at W. sixteenth cor. sec. 17, T. 25 N., R. 7 W., 23 ft. S. and 28 ft. E. from crossroads, 25 ft. S. and 28 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 10 J J 1936"	1,093.042

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

6. SPUR LINE IN SOUTHWEST QUARTER OF QUADRANGLE (leveled twice)

T-rd. N., 18 ft. N. and 35 ft. E. from, in root on E. side of 18-in. white-oak tree; crossed nails	917.06
T-rd. E., 20 ft. N. and 114 ft. E. from, 30 ft. S. of SW. corner of dwelling of John Kimbrough, in root on S. side of 24-in. black-oak tree; crossed nails	948.33
Rd. corner from N. to W., 75 ft. N. and 10 ft. W. from, in root on N. side of 8-in. black-oak tree; crossed nails	968.09
T. 25 N., R. 6 W., 24 ft. S. and 27 ft. W. from approximate SW. cor. sec. 30, 30 ft. S. of rd. forks SW., W., and NE., near gate to Pettibone ranch, in root on W. side of 20-in. black-oak tree; copper nail and washer	911.30
Pancho, 3.7 mi. E. of, 96 ft. S. and 2 ft. W. from cross fence at approximate center sec. 30, T. 25 N., R. 6 W., 38 ft. N. and 102 ft. W. from NW. corner of Pettibone dwelling, in concrete post; standard tablet stamped "T T 8 J J 1936"	961.448
Reference mark, 5 ft. S. and 25 ft. W. from tablet, in root on W. side of 20-in. black-oak tree; copper nail and washer	960.40

7. NEAR CENTER OF EAST BORDER OF QUADRANGLE (by B. A. Barnes in 1936)

U.S.C. & G.S. standard disk stamped "F 51 1934"	877.082
U.S.C. & G.S. standard disk stamped "G 51 1934"	963.190
Rd. fork N., 15 ft. N. and 6 ft. W. from, in root on S. side of 10-in. pine tree; crossed nails	845.57
T. 26 N., R. 5 W., in SE $\frac{1}{4}$ sec. 29, 9 ft. S. and 12 ft. E. from rd. fork S., in root on N. side of 28-in. black-oak tree; copper nail and washer	968.79
T. 26 N., R. 5 W., in SE $\frac{1}{4}$ sec. 28, at top of ridge, 3 ft. S. of rd., in root on NW. side of triangular-blazed 8-in. white-oak tree; copper nail and washer	912.40

(Continued in Bandyville quadrangle; see line 7.)

8. FROM NORTH BORDER OF QUADRANGLE SOUTH TO MONTIER (by S. T. Tudor in 1936)

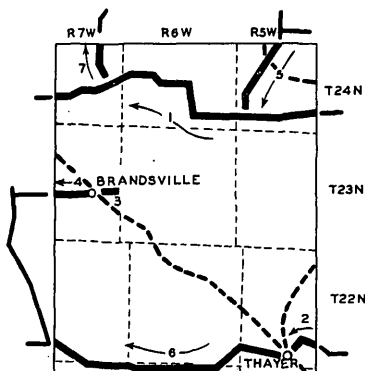
(Continued from Summersville quadrangle; see line 4.)

T. 27 N., R. 6 W., near quarter cor. between secs. 14 and 23, 40 ft. N. and 20 ft. W. from E.-W. rd. at farm entrance N., in root on E. side of 12-in. oak tree; copper nail and washer	1,103.95
Fence corner, E., W., and N., 5 ft. S. and 30 ft. W. from, in root on E. side of 12-in. oak tree; spike	1,130.23
T. 27 N., R. 6 W., near quarter cor. between secs. 23 and 26, 60 ft. N. of rd. corner from E. to S., in root on S. side of 24-in. oak tree; copper nail and washer	1,108.67

For an additional level line along State Highway 19, refer to U.S. Coast and Geodetic Survey second-order line, Birch Tree to Thayer.

THAYER QUADRANGLE
(Latitude $36^{\circ}30' - 36^{\circ}45'$; longitude $91^{\circ}30' - 91^{\circ}45'$)

Howell and Oregon Counties



1. WEST THROUGH CENTER OF NORTH HALF OF QUADRANGLE (by L. V. Johnson in 1931)

(Continued from Couch quadrangle; see line 1.)

	Feet
Alton, 6 mi. W. of, along old Alton-West Plains rd., 150 ft. NE. of school, 28 ft. N. of rd., 16 ft. S. of wooden gate, inside rail fence around yard, in knot on N. side of 10-in. oak tree; copper nail and washer	1,010.89
Pinwood triangulation sta., 6.5 mi. W. of Alton, 0.4 mi. N. of Alton-West Plains rd. at rd. N., 100 meters (328 ft.) W. of Pinwood School, 6.5 meters (21 ft.) E. of rd. N., on highest point of flat timbered ridge, in concrete post; U.S.C. & G.S. standard disk stamped "Pinwood"	1,055.257
Reference mark 1, N. of sta., 6.4 meters (21 ft.) NNW. of rd. NE., 4 meters (13 ft.) E. of rd. N., in concrete post; U.S.C. & G.S. standard reference disk	1,055.432
Alton, 6.8 mi. W. of, along old Alton-West Plains rd., at top of large hill, 27 ft. S. of dim rd. fork NE., in root on N. side of blazed oak tree; copper nail and washer	1,053.70
Alton, 7.9 mi. W. of, along old Alton-West Plains rd., at top of large hill, 20 ft. S. of rd., in root on W. side of large, blazed, twin oak tree; copper nail and washer	992.54
Alton, 8.7 mi. W. of, along old Alton-West Plains rd., 25 ft. S. and 55 ft. E. from junction of rd. SE., 6 ft. S. and 20 ft. E. from blazed 18-in. oak tree, in concrete post; standard tablet stamped "3 J 1931"	988.462
Reference mark, 20 ft. W. of tablet, in root on N. side of blazed oak tree; copper nail and washer	987.61
Alton, 9.7 mi. W. of, along old Alton-West Plains rd., at bottom of large ravine, 10 ft. S. and 5 ft. W. from junction of rd. S., in NW. corner of triangle formed by rds., in root on NE. side of blazed 12-in. hickory tree; copper nail and washer	927.38
Rover, 2 mi. S., thence 2 mi. E. from, 10.7 mi. W. of Alton, along old Alton-West Plains rd., 50 ft. N. and 10 ft. W. from junction of rd. S. to Koshkonong, in root on S. side of 24-in. oak tree; copper nail and washer	957.82
Rover, 2 mi. S., thence 1 mi. E. from, 11.7 mi. W. of Alton, 19 ft. N. and 39 ft. W. from T-rd. N., 20 ft. W. of corner post of rock fence N. and wire fence W., 12 ft. S. of 15-in. oak tree, inside fence, in concrete post; standard tablet stamped "4 J 1931"	876.101
Reference mark, NW. corner of T-rd., in root on SE. side of blazed oak tree; copper nail and washer	877.59
Rover, 1.8 mi. S. of, 150 ft. N. and 28 ft. W. from crossroads, 70 ft. W. of dwelling of W. M. Parks, 15 ft. S. of mail boxes, in root on W. side of 12-in. oak tree; copper nail and washer	930.68
Rover, 0.8 mi. S. of, 18 ft. N. and 35 ft. E. from T-rd. E., near center of triangle formed by rds., in root on W. side of 10-in. oak tree; copper nail and washer	912.52
Rover, 80 ft. NE. of store and service station of E. A. White, 90 ft. N. and 48 ft. E. from T-rd. W., 18 ft. N. and 80 ft. W. from NW. corner of stone church, 30 ft. E. of fence corner, in concrete post; standard tablet stamped "5 J 1931"	948.153
Reference mark, 55 ft. S. of church, in root on W. side of 15-in. oak tree; copper nail and washer	946.27
Rover, 1 mi. W. of, at top of small hill, 23 ft. S. and 5 ft. E. from mail box of J. G. Joliff, 13 ft. S. of rd., 20 ft. E. of gate to yard, in root on N. side of 18-in. oak tree; copper nail and washer	931.48
Rover, 1.7 mi. W. of, along rd. to West Plains, 30 ft. S. and 100 ft. E. from rd. corner E. to N., 25 ft. S. and 60 ft. E. from mail box of L. S. French, in root on N. side of 18-in. oak tree; copper nail and washer	1,009.42

Rover, 2.5 mi. W. of, along rd. to West Plains, 36 ft. N. and 18 ft. W. from junction of rd. N., 18 ft. N. of fence corner, inside fence, in concrete post; standard tablet stamped "6 J 1931"	Feet 953.970
Reference mark, in NW. corner of T-rd., in root on S. side of oak tree; copper nail and washer	952.79
Rover, 3.4 mi. W. of, along West Plains rd., 400 ft. W. of rd. fork NE., 75 ft. E. of rd. fork SE., 25 ft. S. of E.-W. rd., 25 ft. E. of small loading platform, in root on NW. side of blazed 18-in. oak tree; copper nail and washer	957.17
Cull, 4.2 mi. W. of Rover, along West Plains rd., 10.2 mi. E. of West Plains, at store and service station of A. W. Kinyon, on SW. corner of concrete porch; chiseled square	897.30
Cull, 0.6 mi. W. of, 9.6 mi. E. of West Plains, along Rover rd., 32 ft. S. and 19 ft. E. from crossroads, 7 ft. S. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "7 J 1931"	915.006
Cull, 1.7 mi. W. of, 8.5 mi. E. of West Plains, along Rover rd., 80 ft. W. of rd. fork N., 65 ft. NW. of mail box of Hale Goodwin, on N. side of rd., in fence line, in root on S. side of 15-in. oak tree; copper nail and washer	1,020.53
West Plains, 7.4 mi. E. of, along Rover rd., 85 ft. SW. of rd. fork N., 65 ft. SW. of mail boxes, 30 ft. S. of main rd., in angle formed by junction of private rds. SW. and SE., in root on NW. side of large, blazed oak tree; copper nail and washer	991.68
West Plains, 6.3 mi. E. of, along Rover rd., 39 ft. S. and 58 ft. W. from rd. fork N., 35 ft. S. and 5 ft. W. from rd. fork SE., 4 ft. S. of fence corner, in concrete post; standard tablet stamped "8 J 1931"	1,019.919
Reference mark, 40 ft. SE. of rd. fork SE., in root on NW. side of twin oak tree; copper nail and washer	1,019.11

(Continued in West Plains quadrangle; see line 1.)

2. FROM EAST BORDER OF QUADRANGLE WEST TO THAYER (by C. E. Reick in 1932)

(Continued from Couch quadrangle; see line 4.)

Thayer, 2.5 mi. E. of, 80 ft. E. of ford, 140 ft. W. of rd. N., on N. side of rd., in root of 15-in. oak tree; nail	573.92
Thayer, 1.3 mi. E. of, on N. side of rd. to Myrtle, on head wall of concrete culvert; chiseled square	620.17

3. FROM BRANDSVILLE EAST ONE MILE (by J. G. Bardsley in 1935)

U.S.C. & G.S. standard disk stamped "U 8 1928"	949.109
Brandsville, about 0.5 mi. E. of St. Louis-San Francisco Ry. sta., at SW. corner of intersection of U.S. Highway 63 and Main Street, 60 ft. SW. of Holt's service station, on SE. corner of concrete culvert; chiseled square	1,011.30
Brands triangulation sta., 1 mi. E. of Brandsville, about 0.2 mi. E. of U.S. Highway 63, on land owned by J. T. Gray, on highest point of cleared ridge, 130 meters (426 ft.) S. of rd., 72 meters (236 ft.) E. of fence at W. end of field, in concrete post; U.S.C. & G.S. standard disk stamped "Brands"	1,048.726

4. FROM BRANDSVILLE WEST TO WEST BORDER OF QUADRANGLE

Brandsville, about 0.8 mi. W. of St. Louis-San Francisco Ry. sta., 250 ft. E. of cor. secs. 14, 15, 22, and 23, T. 23 N., R. 7 W., 14 ft. S. of rd., on NW. corner of concrete culvert; chiseled square	972.66
Brandsville, 1.7 mi. W. of, cor. secs. 15, 16, 21, and 22, T. 23 N., R. 7 W., 22 ft. N. and 42 ft. W. from crossroads, 18 ft. W. of fence corner, in concrete post; standard tablet stamped "1447 E R A 1935"	1,028.904
T. 23 N., R. 7 W., near W. sixteenth cor. between secs. 16 and 21, 12 ft. S. of rd., on head wall of concrete culvert; chiseled square	970.36

(Continued in West Plains quadrangle; see line 6.)

5. IN NORTHEAST CORNER OF QUADRANGLE

T. 24 N., R. 5 W., in NE $\frac{1}{4}$ sec. 17, about 0.6 mi. W. of State Highway 19, near rd. N. to Thomasville and rd. W. to Pinewood School, in root on N. side of 24-in. sycamore tree; copper nail and washer	692.49
T. 24 N., R. 5 W., in sec. 17, on old Thayer-Thomasville rd., 1.3 mi. SW. of State Highway 19, 100 ft. SW. of dwelling, 15 ft. W. of rd., in root on E. side of 18-in. hickory tree; copper nail and washer	736.02
U.S.C. & G.S. standard disk stamped "N 51 1934"	788.807
T. 24 N., R. 5 W., quarter cor. between secs. 19 and 20, 498 ft. S. and 4 ft. E. from T-rd. S., 6 ft. S. and 30 ft. W. from NW. corner of dwelling on property of Gibson Land and Credit Co., in concrete post; standard tablet stamped "T T 1469 E R A 1935"	787.536
T. 24 N., R. 5 W., in NE $\frac{1}{4}$ sec. 30, 4 mi. NW. of Pinewood School, 100 ft. S. of log dwelling of L. E. Redburn, 15 ft. W. of rd., in root on E. side of 8-in. hickory tree; copper nail and washer	939.47
T. 24 N., R. 5 W., in NW $\frac{1}{4}$ sec. 31, 0.5 mi. N. of Alton-Rover rd. at rd. N., 200 ft. N. of crossroads, 20 ft. E. of rd., in base on W. side of 24-in. oak tree; copper nail and washer	880.62

6. FROM THAYER WEST ALONG SOUTH BORDER OF QUADRANGLE TO WEST BORDER

	Feet
U.S.C. & G.S. standard disk stamped "E 9 1928"	532.043
U.S.C. & G.S. standard disk stamped "D 9 1928"	537.640
Thayer, 0.8 mi. SW. of bridge over St. Louis-San Francisco Ry., along U.S. Highway 63, near rd. S. to Lanton-Thayer rd., 75 ft. S. of highway, in root on W. side of 18-in. hickory tree; copper nail and washer	683.98
Thayer, 1.5 mi. SW. of, along Lanton-Thayer rd., in sec. 31, T. 22 N., R. 5 W., 200 ft. S. of point where rd. turns S. at P. E. Beehtel's place, 25 ft. N. of rd., in root on S. side of 36-in. oak tree; copper nail and washer	689.66
Thayer, 2.5 mi. W. of, along Lanton-Thayer rd., in SW $\frac{1}{4}$ sec. 36, T. 22 N., R. 6 W., 27 ft. N. of rd., 32 ft. S. and 11 ft. W. from SE. corner of dwelling of Exie Ragan, in yard, in concrete post; standard tablet stamped "T T 1471 E R A 1935"	823.962
Thayer, 3.4 mi. W. of, along Lanton-Thayer rd., in sec. 2, T. 21 N., R. 6 W., 0.9 mi. SW. of dwelling of Exie Ragan, 70 ft. S. of rd., 50 ft. N. of small sawmill, in root on N. side of 24-in. oak tree; copper nail and washer	744.05
Thayer, 4.8 mi. SW. of, along Lanton-Thayer rd., in sec. 3, T. 21 N., R. 6 W., on N. bank of creek, 30 ft. W. of mail box of J. M. Cameron, in root on N. side of 24-in. oak tree; copper nail and washer	609.09
Thayer, 5.4 mi. W. of, along Lanton-Thayer rd., in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 4, T. 21 N., R. 6 W., 17 ft. N. and 96 ft. E. from junction of rd. SE., 104 ft. S. and 104 ft. E. from SE. corner of dwelling of Joe Riley, in concrete post; standard tablet stamped "T T 1472 E R A 1935"	761.602
Thayer, 6.1 mi. W. of, along Lanton-Thayer rd., near E. sixteenth cor. sec. 5, T. 21 N., R. 6 W., 0.2 mi. W. of stone dwelling of N. Poollette, 100 ft. N. of junction of rd. S., in root on S. side of 18-in. oak tree; copper nail and washer	751.77
Thayer, 6.7 mi. W. of, along Lanton-Thayer rd., in SE $\frac{1}{4}$ sec. 6, T. 21 N., R. 6 W., 200 ft. E. of junction of rd. N., 40 ft. S. of rd., 50 ft. N. of dwelling of J. T. Bell, in root on N. side of 12-in. walnut tree; copper nail and washer	753.49
Thayer, 8.3 mi. W. of, along Lanton-Thayer rd., in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, T. 21 N., R. 6 W., 30 ft. S. of rd., 72 ft. N. and 15 ft. W. from NE. corner of dwelling of J. W. Jewell, in concrete post; standard tablet stamped "T T 1473 E R A 1935" (Reset 11 ft. S. and 95 ft. E. from above described location by highway engineer January 7, 1937. Given elevation is for new location.)	797.597
Reference mark, 20 ft. S. of tablet, in root on E. side of 18-in. oak tree; copper nail and washer	794.27
Thayer, 9.5 mi. SW. of, along Lanton-Thayer rd., in sec. 1, T. 21 N., R. 7 W., about 0.2 mi. SW. of dwelling of S. C. Presley, 90 ft. NE. of rd. forks, 75 ft. W. of Presley Branch, in root on E. side of 24-in. oak tree; copper nail and washer	658.07
Thayer, 10.4 mi. SW. of, along Lanton-Thayer rd., near Ark.-Mo. State line, in SW $\frac{1}{4}$ sec. 2, T. 21 N., R. 7 W., 180 ft. W. of two-story dwelling of H. W. Presley, 25 ft. E. of barn, 20 ft. SW. of rd., at E. end of gate, in root on N. side of 30-in. oak tree; copper nail and washer	642.02
Thayer, about 11.4 mi. W. of, along Lanton-Thayer rd., about 500 ft. N. of center sec. 3, T. 21 N., R. 7 W., 124 ft. N. 30° 15' E. of concrete silo, 79 ft. S. of rd., 18 ft. W. of lane to Kenyon farm, in concrete post; standard tablet stamped "T T 1474 E R A 1935"	638.283
Lanton, about 4 mi. E. of, along Lanton-Thayer rd., near line between secs. 4 and 33, Tps. 21 and 22 N., R. 7 W., 150 ft. S. of SE. corner of two-story dwelling of Cecil Lemmon, 75 ft. N. of NE. corner of barn, in root on W. side of 18-in. oak tree; copper nail and washer	712.29
Lanton, about 3.2 mi. E. of, along Lanton-Thayer rd., in SW $\frac{1}{4}$ sec. 33, T. 22 N., R. 7 W., 300 ft. SW. of dwelling of James Stevens, 150 ft. S. of rd. fork W., in root on N. side of 16-in. cherry tree; copper nail and washer	680.23

(Continued in West Plains quadrangle; see line 3.)

7. IN NORTHWEST CORNER OF QUADRANGLE (by F. Y. Brown and E. J. Noonan in 1936)

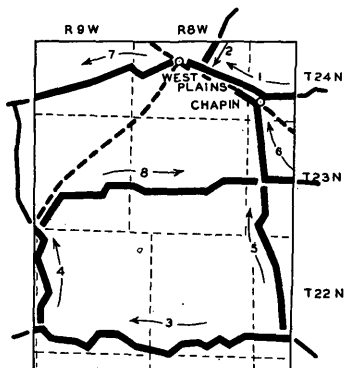
Oull, 0.6 mi. W. of, 9.6 mi. E. of West Plains, along Rover rd., 32 ft. S. and 19 ft. E. from crossroads, 7 ft. S. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "7 J 1931"	915.006
Reference mark, 10 ft. S. and 46 ft. E. from tablet, in root on N. side of 24-in. twin black-oak tree; copper nail and washer	910.41
Elk Creek School, 500 ft. E. of, 25 ft. N. of rd. corner from W. to S., in root on W. side of 18-in. white-oak tree; crossed nails	895.66
T. 24 N., R. 7 W., near E. sixteenth cor. between secs. 14 and 23, 15 ft. S. and 125 ft. W. from T-rd. S., in root on N. side of 30-in. black-oak tree; copper nail and washer	926.19
T. 24 N., R. 7 W., near quarter cor. between secs. 14 and 23, 1 mi. S. of State Highway 80, 73 ft. S. and 57 ft. W. from T-rd. N., in root on E. side of 24-in. black-oak tree; copper nail and washer	940.33

(Continued in Montier quadrangle; see line 5.)

For additional level lines along St. Louis-San Francisco Ry. and State Highway 19, refer to U.S. Coast and Geodetic Survey first-order line, Monett, Mo. to Memphis, Tenn., and second-order line, Birch Tree to Thayer.

WEST PLAINS QUADRANGLE
(Latitude $36^{\circ}30'-36^{\circ}45'$; longitude $91^{\circ}45'-92^{\circ}00'$)

Howell County



1. FROM EAST BORDER OF QUADRANGLE WEST TO WEST PLAINS (by L. V. Johnson in 1931)
(Continued from Thayer quadrangle; see line 1.)

	<u>Feet.</u>
West Plains, 5.8 mi. E. of, along Rover rd., 17 ft. S. and 8 ft. W. from cross rd., in root on NW. side of 18-in. oak tree; copper nail and washer	1,039.96
West Plains, 4.8 mi. E. of, along Rover rd., at bottom of large valley, 175 ft. W. of private rd. N., 130 ft. W. of small concrete bridge with iron railings, at NW. corner of bridge, on wing wall; chiseled square	919.40
West Plains, 3.5 mi. E. of, along Rover rd., 19 ft. E. of rd., 2 ft. SW. of SW. corner of rock wall around Howell Valley Cemetery, in concrete post; standard tablet stamped "9 J 1931"	943.208
Reference mark, 55 ft. N. of tablet, in root on E. side of 20-in. oak tree; copper nail and washer	944.70
West Plains, 2.5 mi. E. of, along Rover rd., 250 ft. E. of dwelling of N. R. Huddleston, 180 ft. SE. of mail box, at curve in rd., on S. head-wall of concrete culvert; chiseled square	928.16
West Plains, 1.3 mi. E. of, along Rover rd., at NW. corner of steel bridge, on concrete abutment; chiseled square	938.88
U.S.C. & G.S. standard disk stamped "0 8 1928"	955.690

2. FROM NORTH BORDER OF QUADRANGLE SOUTHWEST TO WEST PLAINS (by
E. W. Gouchenour in 1931)
(Continued from Willow Springs quadrangle; see line 2.)

West Plains, 2 mi. NE. of, in SW $\frac{1}{4}$ sec. 15, T. 24 N., R. 8 W., 30 ft. E. of T-rd. E., in root on W. side of 8-in. black-oak tree; copper nail and washer	1,062.02
West Plains, 1 mi. NE. of, 15 ft. S. and 20 ft. W. from rd. E., in root on SE. side of 12-in. black-oak tree; copper nail and washer	984.44

3. WEST ALONG SOUTH BORDER OF QUADRANGLE (by J. G. Bardsley in 1935)
(Continued from Thayer quadrangle; see line 6.)

Lanton, 2.7 mi. E. of, in SE $\frac{1}{4}$ sec. 32, T. 22 N., R. 7 W., 276 ft. E. of T-rd. S., 30 ft. S. of triangle formed by rds. N., E., and W., 5 ft. E. of 24-in. white-oak tree, in concrete post; standard tablet stamped "T T 1450 E R A 1935"	718.864
Lanton, 1.8 mi. E. of, in W $\frac{1}{2}$ sec. 31, T. 22 N., R. 7 W., 220 ft. W. of Hunt Branch Creek, 15 ft. N. of rd., in root on W. side of 24-in. white-oak tree; copper nail and washer	732.90
Lanton, 0.8 mi. NE. of, in sec. 36, T. 22 N., R. 8 W., 15 ft. N. of rd., in root on S. side of 24-in. black-oak tree; copper nail	839.68
Lanton, 0.5 mi. W. of, in NE $\frac{1}{4}$ sec. 2, T. 21 N., R. 8 W., 13 ft. S. of rd., 25 ft. N. and 48 ft. E. from NE. corner of dwelling of Sarah Williams, 3 ft. N. of E.-W. fence, in concrete post; standard tablet stamped "T T 1451 E R A 1935"	903.948
Lanton, 1.8 mi. W. of, in NW $\frac{1}{4}$ sec. 3, T. 21 N., R. 8 W., on E. bank of North Fork of Spring River, 15 ft. S. of rd., in root on W. side of 24-in. black-oak tree; copper nail and washer	754.08
Hopewell School, near center SW $\frac{1}{4}$ sec. 33, T. 22 N., R. 8 W., 111 ft. S. and 50 ft. W. from T-rd. E., 163 ft. S. and 50 ft. W. from T-rd. W., 68 ft. N. and 20 ft. W. from NE. corner of schoolhouse, in concrete post; standard tablet stamped "T T 1452 E R A 1935"	896.905

Hopewell School, about 1 mi. S. of, near center sec. 4, T. 21 N., R. 8 W., 250 ft. W. of intersection of Lanton-Moody and West Plains rds., 25 ft. S. of Lanton-Moody rd., in root on W. side of 24-in. oak tree; copper nail and washer	Feet 781.22
Moody, 7 mi. E. of, on Lanton-Moody rd., in NW $\frac{1}{4}$ sec. 5, T. 21 N., R. 8 W., 150 ft. N. of two-story dwelling of J. W. Waggoner, 20 ft. S. of rd., in root on N. side of 24-in. red-oak tree; copper nail and washer	770.57
Moody, 6 mi. E. of, in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 21 N., R. 9 W., 135 ft. S. of rd., 195 ft. N. and 40 ft. E. from fireplace chimney of dwelling of G. W. Dunavin, 96 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 1453 E R A 1935"	886.245
Moody, 4.5 mi. E. of, on Lanton-Moody rd., in NW $\frac{1}{4}$ sec. 2, T. 21 N., R. 9 W., 400 ft. SW. of Mount Carmel Church, 125 ft. SW. of dwelling of George W. Cole, 10 ft. S. of rd., in root on N. side of 18-in. oak tree; copper nail and washer	935.00
Moody, 3.8 mi. E. of, on Lanton-Moody rd., in SW $\frac{1}{4}$ sec. 34, T. 22 N., R. 9 W., 150 ft. N. of dwelling of Forest Goglen, 65 ft. N. of rd., in root on S. side of 18-in. oak tree; copper nail and washer	978.58
Moody, 3 mi. E. of, N. cor. secs. 3 and 4, T. 21 N., R. 9 W., 26 ft. S. and 2 ft. W. from rd. at fence S., 36 ft. N. and 31 ft. E. from NE. corner of dwelling of J. W. Hoglen, in concrete post; standard tablet stamped "T T 1454 E R A 1935"	962.437
Moody, 2.2 mi. E. of, on Lanton-Moody rd., in NW $\frac{1}{4}$ sec. 4, T. 21 N., R. 9 W., 450 ft. W. of dwelling of R. M. Martin, 60 ft. S. of junction of rd. S., 25 ft. E. of creek, 50 ft. S. of witness tree, in root on N. side of 24-in. elm tree; copper nail and washer	910.92
Moody, 0.9 mi. E. of, on Lanton-Moody rd., in SE $\frac{1}{4}$ sec. 31, T. 22 N., R. 9 W., 10 ft. N. of rd., 6 ft. S. of wire fence, in root on S. side of 18-in. oak tree; copper nail and washer	1,014.86
Moody, 0.4 mi. S. of, cor. Tps. 21 and 22 N., Rs. 9 and 10 W., 115 ft. N. and 48 ft. W. from crossroads, 22 ft. N. and 33 ft. E. from foundation of burned dwelling, 3 ft. SW. of fence corner at NE. corner of lawn, in concrete post; standard tablet stamped "T T 1455 E R A 1935"	925.896

(Continued in Cureall quadrangle; see line 3.)

4. NORTH ALONG SOUTH HALF OF WEST BORDER OF QUADRANGLE

Moody, 0.2 mi. N. of, 50 ft. NE. of crossroads, in root on SE. side of 24-in. oak tree; nail	983.01
Moody, 1.2 mi. N. of, in NE. cor. sec. 25, T. 22 N., R. 10 W., on W. side of creek, 15 ft. W. of rd., in root on E. side of 18-in. oak tree; copper nail and washer	911.99
Moody, 2 mi. N. of, in NW $\frac{1}{4}$ sec. 19, T. 22 N., R. 9 W., 50 ft. E. of rd., 40 ft. S. of dwelling of I. D. Hicks, in root on N. side of 24-in. black-oak tree; copper nail and washer	1,034.71
Moody, 2.5 mi. N. of, 41 ft. S. and 22 ft. E. from corner of wire fence N. and rail fence W., at E. cor. secs. 13 and 24, T. 22 N., R. 10 W., 12 ft. E. of rd., 5 ft. S. of blazed white-oak tree, in concrete post; standard tablet stamped "T T 1456 E R A 1935"	1,009.923
T. 22 N., R. 10 W., in NE $\frac{1}{4}$ sec. 13, 40 ft. E. of T-rd. W. to Amy, 110 ft. S. of dwelling of F. S. Carreh, in root on E. side of 12-in. oak tree; copper nail	998.48
T. 22 N., R. 10 W., near E. quarter cor. sec. 12, 250 ft. N. of Mount Zion School, 40 ft. S. and 20 ft. W. from T-rd. E. to County Route E, in root on E. side of 30-in. oak tree; copper nail and washer	1,102.04
T. 22 N., R. 10 W., in SE $\frac{1}{4}$ sec. 1, 1.2 mi. S. of highway, 200 ft. E. of dwelling of Ray Coble, 15 ft. W. of rd., 5 ft. E. of wire fence, in root on W. side of 10-in. white-oak tree; copper nail and washer	1,106.76

5. NORTH ALONG SOUTH HALF OF EAST BORDER OF QUADRANGLE

T. 22 N., R. 7 W., in NE $\frac{1}{4}$ sec. 32, on Raymond rd., 0.4 mi. N. of Hatfield School, on S. bank of Ford across Myatt Creek, in root on NW. side of 36-in. oak tree; copper nail and washer	676.80
T. 22 N., R. 7 W., in NE $\frac{1}{4}$ sec. 29, on Raymond rd., 0.8 mi. NW. of junction of Raymond rd. and rd. NE. to Koshkonong, 10 ft. E. of rd., in root on W. side of 30-in. oak tree; copper nail and washer	738.16
T. 22 N., R. 7 W., in sec. 20, on Raymond rd., 1.5 mi. NW. of junction of Raymond rd. and rd. NE. to Koshkonong, 15 ft. W. of rd. at curve, in root on E. side of 12-in. oak tree; copper nail	724.81
T. 22 N., R. 7 W., in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, 96 ft. SE. of NE-SW. rd. at rd. W., 18 ft. E. of rd., 185 ft. E. of NE. corner of dwelling of Jim Thomas, in concrete post; standard tablet stamped "T T 1449 E R A 1935"	798.609
T. 22 N., R. 7 W., in sec. 17, on rd. N. to U.S. Highway 63, 0.4 mi. W. of dwelling of Jim Thomas, 300 ft. N. of two-story dwelling, on NW. corner of low-water concrete bridge; chiseled square	747.56
Myatt Creek, 100 ft. N. of, in root on S. side of 18-in. black-oak tree; copper nail and washer	746.95
T. 22 N., R. 7 W., near cor. secs. 7, 8, 17, and 18, 300 ft. W. of dwelling of W. C. Crockett, 125 ft. N. of junction of Mammoth Springs-West Plains rd. and rd. NE. to Koshkonong, in root on W. side of 36-in. oak tree; copper nail and washer	764.17
T. 22 N., R. 7 W., in SE $\frac{1}{4}$ sec. 7, on rd. N. to U.S. Highway 63, 0.3 mi. NW. of Myatt Creek, on NE. concrete head wall of wooden bridge; chiseled square	764.73
T. 22 N., R. 7 W., in NE $\frac{1}{4}$ sec. 7, on rd. NW. to U.S. Highway 63, 125 ft. E. of dwelling of J. Ball, 15 ft. W. of rd., in root on NE. side of 14-in. walnut tree; copper nail and washer	826.91

T. 22 N., R. 7 W., in NW $\frac{1}{4}$ sec. 6, 700 ft. W. of Fruitville School, 50 ft. N. and 25 ft. E. from junction of E.-W. rd. and old rd. N. to U.S. Highway 63, in root on SW. side of 24-in. black-oak tree; copper nail and washer	<u>Feet</u> 855.28
T. 23 N., R. 7 W., in SE $\frac{1}{4}$ sec. 31, on Brandville-Lanton rd., 0.5 mi. S. of dwelling of A. E. Dixon, 25 ft. N. of abandoned rd. SE. to J. Ball's place, in root on W. side of 12-in. black-oak tree; copper nail and washer	903.44
T. 23 N., R. 7 W., center W $\frac{1}{2}$ sec. 32, 36 ft. S. and 21 ft. E. from T-rd. E., 15 ft. N. and 79 ft. E. from NE. corner of dwelling of A. E. Dixon, 13 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "1448 E R A 1935"	883.111
T. 23 N., R. 7 W., cor. secs. 29, 30, 31, and 32, 25 ft. W. of rd. corner from E. to N. at private rd. NW., in N. end of gate; spike and washer	870.83

6. FROM CENTER OF EAST BORDER OF QUADRANGLE WEST AND NORTH TO POINT ABOUT 3.5 MILES EAST OF WEST PLAINS
(Continued from Thayer quadrangle; see line 4.)

T. 23 N., R. 7 W., quarter cor. between secs. 18 and 19, about 4.5 mi. W. of Brandville, 1.5 mi. S. of U.S. Highway 63, 70 ft. N. and 18 ft. E. from T-rd. E., 2 ft. N. and 97 ft. W. from SW. corner of dwelling of J. I. Burris, 1 ft. W. of fence, in concrete post; standard tablet stamped "1445 E R A 1935"	1,018.340
T. 23 N., R. 7 W., 260 ft. N. of center sec. 18, 8 ft. W. of rd., on W. head wall of concrete culvert; chiseled square	991.11
West Plains, about 6 mi. SE. of, along U.S. Highway 63, in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 23 N., R. 7 W., 30 ft. S. and 4 ft. E. from highway, on curve, at rd. N., 52 ft. S. and 84 ft. E. from S. head wall of concrete culvert, 3 ft. inside fence, in concrete post; standard tablet stamped "1446 E R A 1935"	922.928
U.S.C. & G.S. standard disk stamped "R 8 1928"	886.363
T. 24 N., R. 7 W., near center sec. 31, 240 ft. W. of dwelling of J. J. Taylor, 27 ft. N. of rd. forks, in root of 24-in. black-oak tree; copper nail and washer	948.38
T. 24 N., R. 8 W., near E. sixteenth cor. between secs. 25 and 36, on Rover rd., 15 ft. S. of rd., in root of 14-in. oak tree; copper nail and washer	978.32

7. FROM WEST PLAINS WEST TO WEST BORDER OF QUADRANGLE

U.S.C. & G.S. standard disk stamped "N 8 1928"	962.442
U.S.C. & G.S. standard disk stamped "M 8 1928"	960.799
West Plains, 30 ft. SE. of intersection of U.S. Highway 63 and West Broadway, on head wall of concrete culvert; chiseled square	983.87
West Plains, about 2 mi. W. of, near N. sixteenth cor. sec. 30, T. 24 N., R. 8 W., on Pottersville-West Plains rd., 130 ft. W. of N.-S. fences, 20 ft. S. of rd., in 14-in. hickory tree; copper nail and washer	1,052.77
West Plains, about 2.8 mi. W. of, near center NE $\frac{1}{4}$ sec. 25, T. 24 N., R. 9 W., 45 ft. S. of Pottersville-West Plains rd. at middle Dora rd. N., 80 ft. E. of dwelling of F. L. Mahan, in root of 24-in. oak tree; copper nail and washer	1,081.16
West Plains, 3.5 mi. W. of, along Pottersville-West Plains rd., quarter cor. between secs. 25 and 26, T. 24 N., R. 9 W., 26 ft. N. and 45 ft. W. from junction of rd. S., 2 ft. N. and 26 ft. W. from fence corner, in concrete post; standard tablet stamped "1434 E R A 1935"	1,158.101
West Plains, 4.7 mi. W. of, along Pottersville-West Plains rd., near W. sixteenth cor. sec. 26, T. 24 N., R. 9 W., 70 ft. N. of mail box of R. E. Butler, 25 ft. SE. of rd., 20 ft. N. of fence, in root of 12-in. oak tree; copper nail and washer	1,179.96
West Plains, 5 mi. W. of, along Pottersville-West Plains rd., in SW $\frac{1}{4}$ sec. 26, T. 24 N., R. 9 W., 310 ft. NE. of crossroad, 12 ft. NW. of rd., on NE. corner of concrete culvert; chiseled square	1,129.92
West Plains, 5.9 mi. W. of, along Pottersville-West Plains rd., near W. sixteenth cor. secs. 27 and 34, T. 24 N., R. 9 W., 20 ft. NW. of rd., 25 ft. N. of rd. W., in root of 36-in. oak tree; copper nail and washer	1,131.30
West Plains, 6.7 mi. W. of, along Pottersville-West Plains rd., 64 ft. N. and 137 ft. E. from stone at fence corner on N. side of rd. E. at center E $\frac{1}{2}$ sec. 33, T. 24 N., R. 9 W., 47 ft. S. and 25 ft. W. from rd. forks, 2 ft. S. of fence, in concrete post; standard tablet stamped "1435 E R A 1935"	1,044.240
T. 24 N., R. 9 W., near center sec. 33, on Pottersville-West Plains rd., 120 ft. S. of SE. corner of Spring Creek Church, 90 ft. W. of fence, 30 ft. S. of rd., in root of 18-in. black-oak tree; copper nail and washer	1,027.82
T. 23 N., R. 9 W., in NE $\frac{1}{4}$ sec. 5, on Pottersville-West Plains rd., about 0.6 mi. W. of Blue Mound School, 20 ft. N. of rd., in root of 14-in. oak tree; copper nail and washer	1,040.95
T. 23 N., R. 9 W., near N. sixteenth cor. between secs. 5 and 6, on Pottersville-West Plains rd., 10 ft. S. of rd., on E. end of concrete culvert; chiseled square	985.31

(Continued in Cureall quadrangle; see line 4.)

8. EAST THROUGH CENTER OF QUADRANGLE
(Continued from Cureall quadrangle; see line 4.)

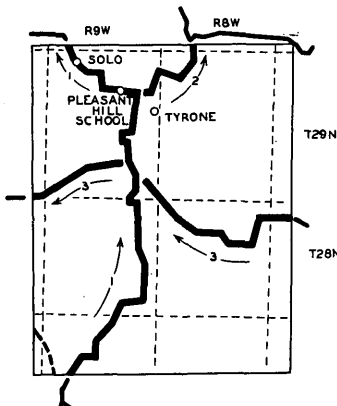
U.S.C. & G.S. standard disk stamped "T 66 1934"	1,147.468
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	<u>Feet</u>
T. 23 N., R. 9 W., in SW $\frac{1}{4}$ sec. 32, 40 ft. S. and 50 ft. E. from State Highway 80 at rd. S., 50 ft. SE. of mail box of Philip L. White, in root of 12-in. oak tree; copper nail and washer	1,114.95
South Fork, 0.8 mi. SW. of, along State Highway 80, in NE $\frac{1}{4}$ sec. 32, T. 23 N., R. 9 W., on top of hill, 70 ft. S. of highway, in root of 14-in. oak tree; copper nail and washer	1,144.45
U.S.C. & G.S. standard disk stamped "S 66 1934"	1,090.930
South Fork, 0.5 mi. E. of, cor. secs. 27, 28, 33, and 34, T. 23 N., R. 9 W., 30 ft. S. of T-rd. N., in root of 14-in. oak tree; copper nail and washer	1,118.21
South Fork, 1.5 mi. E. of, cor. secs. 26, 27, 34, and 35, T. 23 N., R. 9 W., 35 ft. S. and 20 ft. E. from T-rd. S., in root of 30-in. oak tree; copper nail and washer	1,064.96
Bradford School, center sec. 26, T. 23 N., R. 9 W., 101 ft. S. and 26 ft. E. from T-rd. E., 12 ft. S. and 49 ft. W. from SW. corner of schoolhouse, in concrete post; standard tablet stamped "1442 E R A 1935"	1,076.138
Bradford School, 1 mi. E. of, center sec. 25, T. 23 N., R. 9 W., 125 ft. N. of log dwelling of R. E. Athas, 20 ft. N. of rd., in root of 18-in. oak tree; copper nail and washer	1,098.88
Bradford School, 2 mi. E. of, center sec. 30, T. 23 N., R. 8 W., 300 ft. N. and 300 ft. W. from dwelling of C. F. Crouley, 15 ft. E. of fence, 10 ft. S. of rd., in root of 30-in. oak tree; copper nail and washer	1,053.22
Archie Grove School, about 0.8 mi. W. of, near W. sixteenth cor. sec. 29, T. 23 N., R. 8 W., 50 ft. N. and 70 ft. W. from T-rd. S., in root of 48-in. oak tree; copper nail and washer	1,073.24
Archie Grove School, 6.5 mi. S. of West Plains, along County Route A, quarter cor. between secs. 28 and 29, T. 23 N., R. 8 W., 62 ft. S. and 40 ft. W. from E-W. crossroad, 18 ft. S. and 108 ft. W. from SW. corner of schoolhouse, 1 ft. E. of fence, in concrete post; standard tablet stamped "1443 E R A 1935"	1,047.716
Archie Grove School, about 0.8 mi. E. of, near E. sixteenth cor. sec. 28, T. 23 N., R. 8 W., 780 ft. E. of two-story dwelling of Mrs. Z. Roger, 30 ft. N. and 20 ft. W. from T-rd. N., in root of 12-in. black-oak tree; copper nail and washer	1,055.30
Archie Grove School, 1.6 mi. E. of, near center sec. 27, T. 23 N., R. 8 W., 600 ft. E. of dwelling, 30 ft. N. and ... ft. W. of crossroads, on NW. corner of concrete culvert; chiseled square	1,006.24
Evergreen School, about 1.2 mi. NW. of, near S. sixteenth cor. sec. 22, T. 23 N., R. 8 W., 20 ft. N. and 70 ft. E. from T-rd. E., in root of 20-in. oak tree; copper nail and washer	1,048.84
Evergreen School, 0.2 mi. N. of, center S $\frac{1}{2}$ sec. 23, T. 23 N., R. 8 W., 18 ft. N. of rd. corner from W. to S., 3 ft. N. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "1444 E R A 1935"	991.093
Evergreen School, 1 mi. E. of, near quarter cor. between secs. 24 and 25, T. 23 N., R. 8 W., 40 ft. SE. of crossroads, in root of 18-in. oak tree; copper nail and washer	964.42
Evergreen School, 2.2 mi. E. of, near center sec. 19, T. 23 N., R. 7 W., 375 ft. E. of dwelling of J. W. West, 20 ft. E. of T-rd. W., in root of 24-in. black-oak tree; copper nail and washer	972.38

For additional level lines along St. Louis-San Francisco Ry. and State Highway 80, refer to U.S. Coast and Geodetic Survey first-order line, Monett, Mo. to Memphis, Tenn., and second-order line, West Plains to Gainesville.

CLEAR SPRINGS QUADRANGLE
(Latitude 37°00'-37°15'; longitude 91°45'-92°00').

Howell and Texas Counties



1. NORTH THROUGH WEST HALF OF QUADRANGLE (by E. W. Gouchenour in 1931)

	Feet
Willow Springs, 1.2 mi. N. of St. Louis-San Francisco Ry. sta., along Clear Springs rd., in E $\frac{1}{2}$ sec. 20, T. 27 N., R. 9 W., 20 ft. N. and 15 ft. E. from rd. fork S., on E. end of concrete culvert; chiseled square	1,283.25
Willow Springs, 2.5 mi. N. of, along Clear Springs rd., in NW $\frac{1}{4}$ sec. 17, T. 27 N., R. 9 W., 200 ft. N. and 60 ft. E. from mail box of C. Arnold, 50 ft. E. of rd., in N.-S. fence line, in root on W. side of 24-in. red-oak tree; copper nail and washer	1,352.33
Willow Springs, 2.8 mi. NE. of, along Clear Springs rd., about 400 ft. W. of quarter cor. between secs. 8 and 17, T. 27 N., R. 9 W., 52 ft. S. and 32 ft. E. from crossroad; 3 ft. SE. of fence corner, in concrete post; standard tablet stamped "1 G 1931"	1,399.209
Reference mark, 35 ft. S. of tablet, in root on E. side of 24-in. white-oak tree; copper nail and washer	1,396.76
Willow Springs, 3.9 mi. NE. of, along Clear Springs rd., center of W $\frac{1}{2}$ sec. 9, T. 27 N., R. 9 W., 30 ft. N. and 35 ft. W. from rd. fork NW., at N. gatepost to pasture, in root on E. side of 30-in. white-oak tree; copper nail and washer	1,296.66
Willow Springs, 4.9 mi. NE. of, along Clear Springs rd., near SW. cor. sec. 3, T. 27 N., R. 9 W., 75 ft. W. of rd. fork NW., in root on E. side of 30-in. white-oak tree; copper nail and washer	1,229.75
Willow Springs, 6.2 mi. NE. of, along Clear Springs rd., 30 ft. E. of rd. at fences E. and W. on line between secs. 3 and 34, Tps. 27 and 28 N., R. 9 W., on Howell-Texas county line, 3 ft. W. of fence corner, in large limestone boulder; standard tablet stamped "2 G 1931"	1,182.095
Reference mark, 21 ft. SW. of tablet, in fence line S., in root on E. side of 24-in. black-oak tree; copper nail and washer	1,184.32
Willow Springs, 7.6 mi. NE. of, along Clear Springs rd., 0.3 mi. N. of cor. secs. 26, 27, 34, and 35, T. 28 N., R. 9 W., 25 ft. N. and 25 ft. W. from NW. corner of Pine Creek School, in root on W. side of 30-in. white-oak tree; copper nail and washer	1,356.35
Willow Springs, 8.1 mi. NE. of, along Clear Springs rd., near center sec. 26, T. 28 N., R. 9 W., 55 ft. S. and 125 ft. W. from T-rd. N., at W. gatepost to field, in root on N. side of 24-in. red-oak tree; copper nail and washer	1,381.51
Willow Springs, 9.1 mi. NE. of, in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23, T. 28 N., R. 9 W., 20 ft. S. and 12 ft. E. from rd. forks, 2 ft. N. and 1 ft. W. from fence corner, in limestone post; standard tablet stamped "3 G 1931"	1,341.672
Reference mark, 35 ft. W. of tablet, in root on S. side of 24-in. white-oak tree; copper nail and washer	1,341.65
Moore's Chapel, 0.2 mi. N. of, in SE $\frac{1}{4}$ sec. 14, T. 28 N., R. 9 W., 40 ft. S. and 25 ft. E. from N. ford across South Fork of Jacks Fork, 18 ft. W. of rail fence, in root on W. side of 30-in. walnut tree; copper nail and washer	1,083.90
Liberty School, 0.3 mi. N. of, 0.9 mi. N. of Moore's Chapel, on line between secs. 11 and 14, T. 28 N., R. 9 W., 15 ft. E. of dim T-rd. W., in root on NW. side of 30-in. red-oak tree; copper nail and washer	1,132.59
Liberty School, 1.2 mi. N. of, 12 mi. N. of Willow Springs, near center sec. 11, T. 28 N., R. 9 W., 12 ft. S. and 40 ft. E. from rd. fork NE., 30 ft. N. and 45 ft. E. from gate to field, 3 ft. SW. of rail fence, in limestone post; standard tablet stamped "4 G 1931"	1,165.798
Reference mark, 10 ft. S. and 50 ft. W. from tablet, in root on W. side of 18-in. red-oak tree; copper nail and washer	1,167.56
Liberty School, 2 mi. N. of, 500 ft. N. of line between secs. 2 and 11, T. 28 N., R. 9 W., in angle of rd. forks to Stultz store, in root on W. side of 30-in. red-oak tree; copper nail and washer	1,204.06

	Feet
T. 29 N., R. 9 W., 0.2 mi. N. of S. line sec. 35, 0.2 mi. S. of Stultz store, in triangle of rd. fork SE., 38 ft. N. of NE. corner of dwelling, in root on NE. side of 24-in. white-oak tree; copper nail and washer	1,414.12
Stultz store, 0.2 mi. N. of, 14.7 mi. N. of Willow Springs, in NW $\frac{1}{4}$ sec. 35, T. 29 N., R. 9 W., 10 ft. N. and 20 ft. W. from rd. forks, 3 ft. W. of N.-S. fence, in concrete post; standard tablet stamped "5 G 1931"	1,438.790
Reference mark, 10 ft. N. and 45 ft. W. from tablet, in root on E. side of 24-in. black-oak tree; copper nail and washer	1,432.67
T. 29 N., R. 9 W., near center of SE $\frac{1}{4}$ sec. 27, 48 ft. N. and 25 ft. W. from T-rd. W., 100 ft. N. of dwelling, in root on N. side of twin oak tree; copper nail and washer	1,492.23
Near Home Church, in NE $\frac{1}{4}$ sec. 27, T. 29 N., R. 9 W., in NE. corner of churchyard, in root on E. side of 24-in. white-oak tree; copper nail and washer	1,485.50
Near Home Church, 0.7 mi. NW. of, about 0.3 mi. N. of quarter cor. between secs. 22 and 27, T. 29 N., R. 9 W., 6 ft. N. and 20 ft. W. from rd. fork E., 20 ft. W. of rd. to Houston, in concrete post; standard tablet stamped "6 G 1931"	1,456.545
Reference mark, 8 ft. E. of tablet, in root on E. side of 24-in. black-oak tree; copper nail and washer	1,456.13
Near Home Church, 1.8 mi. N. of, near quarter cor. between secs. 15 and 22, T. 29 N., R. 9 W., 1.1 mi. N. of junction of mountain trail SE., in root on W. side of 30-in. white-oak tree; copper nail and washer	1,476.21
T. 29 N., R. 9 W., 0.2 mi. N. of cor. secs. 10, 11, 14, and 15, 20 ft. N. and 20 ft. W. from rd. corner S. to E., 15 ft. N. and 3 ft. E. from gate to yard of J. L. Malcolm, in root on E. side of 18-in. hickory tree; copper nail and washer	1,457.39
Tyrone, 1 mi. NW. of, near quarter cor. between secs. 11 and 12, T. 29 N., R. 9 W., 20 ft. S. and 30 ft. W. from T-rd. N., in concrete post; standard tablet stamped "7 G 1931"	1,465.895
Reference mark, 12 ft. S. and 15 ft. W. from tablet, in root on NE. side of 24-in. white-oak tree; copper nail and washer	1,465.89
Grand View Church, 0.2 mi. S. of, 0.5 mi. N. and 0.2 mi. W. from cor. secs. 1, 2, 11, and 12, T. 29 N., R. 9 W., 20 ft. E. of rd., opposite gate to front yard of W. M. Frame, in root on SW. side of 30-in. red-oak tree; copper nail and washer	1,433.18
Pleasant Hill School, 1.7 mi. NE. of, 3.4 mi. E. of Solo, near center of N $\frac{1}{2}$ sec. 2, T. 29 N., R. 9 W., 140 ft. N. 30° W. of dim T-rd. NW. to Solo, 15 ft. W. of rd., in concrete post; standard tablet stamped "8 G 1931"	1,412.417
Reference mark, 15 ft. N. of tablet, in root on E. side of 24-in. white-oak tree; copper nail and washer	1,412.09
Pleasant Hill School, 1 mi. E. of, near W. sixteenth cor. sec. 3, T. 29 N., R. 9 W., 25 ft. S. of rd. fork N., in root on N. side of 18-in. black-oak tree; copper nail and washer	1,328.40
Pleasant Hill School, 80 ft. S. and 45 ft. W. from SE. corner of, 1.5 mi. N. of cor. secs. 3, 4, 9, and 10, T. 29 N., R. 9 W., 25 ft. N. of rd., in root on S. side of 30-in. red-oak tree; copper nail and washer	1,301.33
Pleasant Hill School, 0.6 mi. SW. of, along rd. to Solo, 1 mi. N. and 0.25 mi. E. from cor. secs. 4, 5, 8, and 9, T. 29 N., R. 9 W., 15 ft. S. and 70 ft. E. from T-rd. W., in root on N. side of 24-in. black-oak tree; copper nail and washer	1,191.21
Solo, 15 ft. N. and 15 ft. E. from rd. forks at store, 27 ft. N. and 150 ft. W. from NW. corner of store, 3 ft. NE. of fence corner of field, in concrete post; standard tablet stamped "9 G 1931"	1,223.643
Reference mark, 85 ft. W. of tablet, in root on NW. side of 24-in. black-oak tree; copper nail and washer	1,222.22

(Continued in Raymondville quadrangle; see line 1.)

2. FROM POINT 1.7 MILES EAST OF PLEASANT HILL SCHOOL NORTHEAST TO NORTH BORDER OF QUADRANGLE

Grand View School, 0.2 mi. NE. of, near center sec. 1, T. 29 N., R. 9 W., in front yard of J. S. Reeves, in root on S. side of 36-in. black-oak tree; copper nail and washer	1,332.05
Grand View School, 1.2 mi. NE. of, 1 mi. S. of N. cor. secs. 1 and 6, T. 29 N., Rs. 8 and 9 W., 400 ft. E. of rd. corner E., at SE. corner of dwelling of George Lay, in root on S. side of sycamore tree; copper nail and washer	1,269.28
Yukon, 3 mi. S. of, 1.2 mi. S. and 0.2 mi. E. from NW. cor. sec. 5, T. 29 N., R. 8 W., 600 ft. N. of ford across Big Creek, in NW. corner of barnyard of V. L. Jones, in concrete post; standard tablet stamped "39 G 1931"	1,231.349
Reference mark, 63 ft. S. of tablet, in root on W. side of 18-in. hickory tree; copper nail and washer	1,227.28
Yukon, 2.5 mi. SE. of, on Big Creek School-Yukon rd., 150 ft. N. of rd. corner from N. to E., 400 ft. W. of dwelling, 30 ft. E. of rd., in root on N. side of 10-in. white-oak tree; copper nail and washer	1,255.66
Yukon, 1.5 mi. S. and 1 mi. E. from, near S. cor. secs. 32 and 33, T. 30 N., R. 8 W., 45 ft. N. and 40 ft. E. from rd. forks, in root on S. side of 36-in. black-oak tree; copper nail and washer	1,289.73

(Continued in Raymondville quadrangle; see line 2.)

3. WEST THROUGH CENTER OF QUADRANGLE (by S. T. Tudor in 1936)
(Continued from Summersville quadrangle; see line 5.)

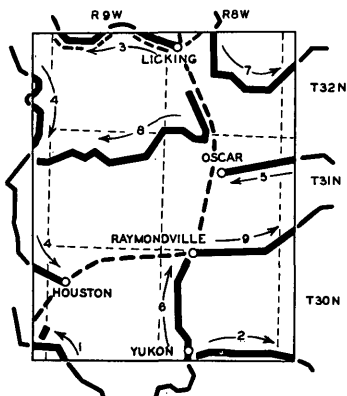
	<u>Feet</u>
Houston School, 3 mi. NE. of, on rd. to Arroll, 564 ft. E. of line between secs. 7 and 12, T. 28 N., R. 8 W., 25 ft. S. of rd., 63 ft. NW. of NW. corner of log cabin, 8 ft. NW. of triangular-blazed tree, in concrete post; standard tablet stamped "1814 E R A 1935"	1,191.763
Creek, on bank of, 10 ft. S. of rd., in root on W. side of 24-in. cotton-wood tree; spike	1,060.87
T. 28 N., R. 8 W., in SW $\frac{1}{4}$ sec. 1, 50 ft. N. and 15 ft. E. from T-rd. E., in root on S. side of 18-in. oak tree; copper nail and washer	1,215.36
Top of hill, 10 ft. E. of rd., in root on N. side of triangular-blazed 30-in. oak tree; spike	1,205.48
T. 28 N., R. 8 W., near cor. secs. 11, 12, 13, and 14, 50 ft. N. and 15 ft. E. from T-rd. N., in root on W. side of 12-in. oak tree; copper nail and washer	1,005.97
North Fork of Jacks Fork, on W. bank of, 40 ft. W. of edge of water, 10 ft. S. of rd., in root on E. side of 36-in. elm tree; spike	987.31
Houston School, in SW $\frac{1}{4}$ sec. 11, T. 28 N., R. 8 W., in bottom concrete step; standard tablet stamped "1813 E R A 1935"	1,084.778
Top of hill, 10 ft. S. of rd., in root on N. side of 18-in. oak tree; spike	1,238.73
T. 28 N., R. 8 W., near center sec. 15, 15 ft. N. and 10 ft. E. from T-rd. N., in root on S. side of 24-in. oak tree; copper nail and washer	1,291.34
T. 28 N., R. 8 W., near cor. secs. 9, 10, 15, and 16, 15 ft. N. and 30 ft. W. from rd. fork NE., in root on NW. side of 15-in. oak tree; copper nail and washer	1,239.12
Clear Springs School, 1.2 mi. E. of, in SW $\frac{1}{4}$ sec. 9, T. 28 N., R. 8 W., 20 ft. N. and 70 ft. E. from junction of rd. NE., in concrete post; standard tablet stamped "1812 E R A 1935"	1,267.866
Top of hill, 25 ft. S. of rd., in root on NW. side of 24-in. oak tree; spike	1,265.88
Clear Springs School, 20 ft. N. and 80 ft. W. from NW. corner of, near cor. secs. 7, 8, 17, and 18, T. 28 N., R. 8 W., 15 ft. S. and 12 ft. W. from T-rd. E., in root on E. side of 12-in. oak tree; copper nail and washer	1,305.59
T. 28 N., R. 8 W., near quarter cor. between secs. 7 and 8, 90 ft. N. and 15 ft. E. from T-rd. W., in root on S. side of 30-in. oak tree; copper nail and washer	1,278.08
Top of hill, 15 ft. N. and 18 ft. W. from E-W rd. at lane N., in root on S. side of 12-in. oak tree; spike	1,336.81
T. 28 N., R. 8 W., in NW $\frac{1}{4}$ sec. 7, 2.5 mi. N. of County Route J at bridge over South Fork of Jacks Fork, 37 ft. N. and 35 ft. W. from Route J at rd. W., in concrete post; standard tablet stamped "1811 E R A 1935"	1,375.898
Rd. fork S., 50 ft. S. and 12 ft. E. from, in root on E. side of 12-in. oak tree; nail	1,366.72
T. 28 N., R. 9 W., in sec. 1, 10 ft. N. and 50 ft. W. from rd. fork W., in root on E. side of 24-in. oak tree; copper nail and washer	1,377.30
Dim rd. fork N., 20 ft. N. and 10 ft. E. from, in root on S. side of 15-in. oak tree; nail	1,373.34
Dim rd. fork S., 25 ft. N. of, in root on S. side of 18-in. oak tree; nail	1,420.20
T. 29 N., R. 9 W., in sec. 27, 10 ft. S. and 15 ft. W. from rd. fork N., in root on S. side of 24-in. oak tree; copper nail and washer	1,448.75
T. 29 N., R. 9 W., near center of SE $\frac{1}{4}$ sec. 27, 48 ft. N. and 25 ft. W. from T-rd. W., 100 ft. N. of dwelling, in root on N. side of twin oak tree; copper nail and washer	1,492.23
Top of ridge, 10 ft. N. of rd., in root on N. side of 12-in. oak tree; nail	1,508.75
Victor School, 3 mi. NE. of, along old Cabool-Clear Springs rd., in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, T. 29 N., R. 9 W., 22 ft. W. of rd. forks, 31 ft. W. of triangular-blazed 18-in. oak tree; in concrete post; standard tablet stamped "1810 E R A 1935"	1,484.805
Rd. fork NW., 10 ft. N. and 20 ft. W. from, in root on S. side of 12-in. oak tree; nail	1,446.82
T. 29 N., R. 9 W., in sec. 33, 12 ft. N. of rd. fork S., in root on S. side of 24-in. oak tree; copper nail and washer	1,456.92
T-rd. E., 15 ft. S. and 15 ft. E. from, in NW. side of corner fence post; nail	1,327.12
T. 29 N., R. 9 W., in sec. 32, 50 ft. S. and 60 ft. E. from T-rd. E., in root on W. side of 30-in. oak tree; copper nail and washer	1,282.98
Top of hill, 90 ft. E. of T-rd. W., in root on N. side of 12-in. oak tree; nail	1,419.71
Victor School, in NW $\frac{1}{4}$ sec. 6, T. 28 N., R. 9 W., 25 ft. N. of old Cabool-Clear Springs rd., 115 ft. E. of SE. corner of schoolhouse, 8 ft. E. of oak tree, in concrete post; standard tablet stamped "1809 E R A 1935"	1,286.852
T. 28 N., R. 10 W., in sec. 1, 90 ft. W. of T-rd. NW., in root on E. side of 30-in. oak tree; copper nail and washer	1,320.51
Rd. fork S., 15 ft. N. of, in S. side of fence post; nail	1,355.24
T. 28 N., R. 10 W., near cor. secs. 1, 2, 11, and 12, 15 ft. N. and 20 ft. W. from crossroads, in root on S. side of 24-in. oak tree; copper nail and washer	1,527.06

(Continued in Cabool quadrangle; see line 4.)

For an additional level line along St. Louis-San Francisco Ry., refer to U.S. Coast and Geodetic Survey first-order line, Monett, Mo. to Memphis, Tenn.

RAYMONDVILLE QUADRANGLE
(Latitude $37^{\circ}15'-37^{\circ}30'$; longitude $91^{\circ}45'-92^{\circ}00'$)

Dent and Texas Counties



1. IN SOUTHWEST CORNER OF QUADRANGLE (by E. W. Gouchenour in 1931)
(Continued from Clear Springs quadrangle; see line 1.)

	<u>Feet</u>
Solo, 1.1 mi. NW. of, along old trail up Indian Creek, in NE. cor. sec. 6, T. 29 N., R. 9 W., 130 ft. W. of junction of rd. W., in root on N. side of 24-in. black-oak tree; copper nail and washer	1,115.44
Solo, 2.2 mi. NW. of, in NW. cor. sec. 6, T. 29 N., R. 9 W., 20 ft. N. and 27 ft. E. from rd. fork SE., in root on S. side of twin red-oak tree; copper nail and washer	1,112.10
Oakdale Church, 0.7 mi. E. of, 0.2 mi. W. of cor. Tps. 29 and 30 N., Rs. 9 and 10 W., in NW. corner of yard of A. D. Odle, in concrete post; standard tablet stamped "10 G 1931"	1,159.786
Reference mark, 15 ft. N. and 70 ft. E. from tablet, in root on W. side of 30-in. ash tree; copper nail and washer	1,162.97
Oakdale Church, 56 ft. S. and 50 ft. E. from SE. corner of, in SW. cor. sec. 36, T. 30 N., R. 10 W., in root on S. side of 30-in. black-oak tree; copper nail and washer	1,332.61

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

2. EAST ALONG EAST HALF OF SOUTH BORDER OF QUADRANGLE
(Continued from Clear Springs quadrangle; see line 2.)

Yukon, 1.5 mi. S. and 1.5 mi. E. from, on State Highway 17, 300 ft. S. of N. quarter cor. sec. 4, T. 29 N., R. 8 W., 68 ft. S. of highway, 3 ft. SE. of SW. corner of garden of E. W. Ford, in concrete post; standard tablet stamped "40 G 1931"	1,280.077
Reference mark, 51 ft. S. and 14 ft. W. from tablet, in root on W. side of 6-in. black-oak tree; copper nail and washer	1,279.94
Eunice, 2 mi. W. of, along State Highway 17, 350 ft. W. of bridge over Big Creek, 80 ft. S. and 20 ft. W. from rd. fork S. along W. bank of Big Creek, in root on N. side of 15-in. sycamore tree; copper nail and washer	1,119.38
Eunice, 1 mi. NW. of, 700 ft. S. of quarter cor. between secs. 34 and 35, T. 30 N., R. 8 W., 580 ft. NW. of rd. fork S., 15 ft. S. of rd., in root on N. side of 18-in. white-oak tree; copper nail and washer	1,282.72
Eunice, 0.2 mi. N. of, NW. cor. sec. 1, T. 29 N., R. 8 W., 30 ft. S. and 25 ft. E. from T-rd. S., inside fence corner, in concrete post; standard tablet stamped "41 G 1931"	1,322.188
Reference mark, 50 ft. N. and 140 ft. E. from tablet, in root on N. side of 18-in. white-oak tree; copper nail and washer	1,317.51
Eunice, 0.2 mi. N. and 1 mi. E. from, near NE. cor. sec. 1, T. 29 N., R. 8 W., 25 ft. S. of dim rd. fork SW., in root on NW. side of 18-in. post-oak tree; copper nail and washer	1,286.58

(Continued in Summersville quadrangle; see line 1.)

3. FROM LICKING WEST ALONG NORTH BORDER OF QUADRANGLE (by B. A. Barnes in 1935)

U.S.C. & G.S. standard disk stamped "G 57 1934"	1,277.015
U.S.C. & G.S. standard disk stamped "F 57 1934"	1,254.062
Licking, 0.5 mi. W. of, along State Highway 32, in SE. sec. 1, T. 32 N., R. 9 W., 300 ft. W. of small dwelling, 29 ft. S. of highway, in root of 27-in. white-oak tree; copper nail and washer	1,285.25

(For balance in Edgar Springs quadrangle, see line 4.)

	Feet
Pine Grove School, in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 32 N., R. 9 W., 140 ft. E. of State Highway 32, on SE. corner of concrete well curb; chiseled square	1,197.23
T. 32 N., R. 9 W., near quarter cor. between secs. 6 and 7, 36 ft. S. of State Highway 32, 3 ft. S. of fence, in root of 24-in. black-oak tree; copper nail and washer	1,188.51

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

4. SOUTH ALONG WEST BORDER OF QUADRANGLE

(Continued from Plum Valley quadrangle; see line 5.)

T. 32 N., R. 10 W., in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, 160 ft. S. of Jack Tar Creek, on W. side of Boiling Spring rd., in root of black-oak tree; copper nail and washer	962.42
T. 32 N., R. 10 W., in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, at top of hill, 86 ft. S. of dwelling of J. P. Wiggins, 18 ft. E. of Boiling Spring rd., 4 ft. W. of board fence, in root of black-oak tree; copper nail and washer	1,139.85

(For balance in Plum Valley quadrangle, see line 5.)

T. 32 N., R. 10 W., in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, 250 ft. S. of dwelling, 14 ft. N. of rd., 17 ft. W. of gate to picket fence, 2 ft. S. of fence, in root of 10-in. oak tree; copper nail and washer	1,202.82
T. 32 N., R. 10 W., near E. sixteenth cor. between secs. 26 and 35, 137 ft. W. of ford across Hadley Creek, 11 ft. N. of rd., in root of 12-in. black-oak tree; copper nail and washer	764.05
T. 32 N., R. 10 W., near center SE $\frac{1}{4}$ sec. 35, 33 ft. E. of N.-S. rd., in NW. corner of farmyard of Charles Venable, in concrete post; standard tablet stamped "1183 E R A 1935"	1,208.026
Reference mark, 166 ft. N. of dwelling of Charles Venable, 33 ft. W. of board fence, 11 ft. W. of rd., in root of 17-in. black-oak tree; copper nail and washer	1,200.00
T. 31 N., R. 10 W., near SE. cor. sec. 2, 50 ft. W. of rd. forks, 8 ft. N. of rd., in root of black-oak tree; copper nail and washer	1,228.03
T. 31 N., R. 10 W., 64 ft. E. of N. sixteenth cor. between secs. 11 and 12, 75 ft. S. of dwelling of Dave Holland, in root of 24-in. black-oak tree; copper nail and washer	1,236.67
T. 31 N., R. 10 W., in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, 13 ft. W. of N.-S. rd., 23 ft. NW. of triangular-blazed 8-in. black-oak tree, in concrete post; standard tablet stamped "T T 1184 E R A 1935"	1,174.923

(For balance in Plum Valley quadrangle, see line 5.)

T. 30 N., R. 10 W., near center sec. 12, 350 ft. E. of dwelling, on N. wall of concrete culvert; chiseled square	1,104.38
U.S.C. & G.S. standard disk stamped "T 33 1934"	1,179.640

5. FROM CENTER OF EAST BORDER OF QUADRANGLE WEST TO U. S. HIGHWAY 63

(Continued from Cedar Grove quadrangle; see line 4.)

T. 31 N., R. 7 W., in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, 39 ft. W. of T-rd. S., 13 ft. S. of E.-W. rd., in root of 17-in. black-oak tree; copper nail and washer	1,307.61
T. 31 N., R. 8 W., quarter cor. between secs. 11 and 12, 53 ft. S. and 87 ft. W. from rd. at old N.-S. crossroad, 263 ft. SW. of SW. corner of rock dwelling, 5 ft. N. of rail fence, in concrete post; standard tablet stamped "T T 1804 E R A 1935"	1,324.421
T. 31 N., R. 8 W., near W. sixteenth cor. sec. 11, 850 ft. N. of Split Limb School, 43 ft. S. and 10 ft. E. from T-rd. S., in root of 18-in. black-oak tree; copper nail and washer	1,296.40
T. 31 N., R. 8 W., center sec. 10, 68 ft. S. of T-rd. N., 18 ft. S. of fence, in root of 8-in. white-oak tree; copper nail and washer	1,335.09
U.S.C. & G.S. standard disk stamped "Z 33 1934"	1,306.533

6. FROM SOUTH BORDER OF QUADRANGLE NORTH TO RAYMONDVILLE

Yukon, about 1.8 mi. SE. of, along State Highway 17, in SE $\frac{1}{4}$ sec. 32, T. 30 N., R. 8 W., 75 ft. S. and 32 ft. W. from dim crossroad, in root of 12-in. black-oak tree; copper nail and washer	1,330.09
Yukon, 1 mi. S. of, along State Highway 17, near N. sixteenth cor. between secs. 31 and 32, T. 30 N., R. 8 W., 200 ft. S. of junction of County Route J, 73 ft. W. of Highway 17, 24 ft. E. of rd. S., in root of 26-in. black-oak tree; copper nail and washer	1,359.09
Yukon, near N. limits of, near quarter cor. between secs. 29 and 30, T. 30 N., R. 8 W., 225 ft. N. and 38 ft. E. from State Highway 17 at E.-W. crossroad, across highway from schoolhouse, in concrete post; standard tablet stamped "T T 1189 E R A 1935"	1,315.859
Yukon, about 0.8 mi. N. of, along State Highway 17, near S. sixteenth cor. between secs. 19 and 20, T. 30 N., R. 8 W., on SW. corner of concrete bridge; chiseled square	1,268.28
Yukon, about 1.8 mi. N. of, along State Highway 17, near S. sixteenth cor. between secs. 17 and 18, T. 30 N., R. 8 W., on S. end of E. head-wall of concrete culvert; chiseled square	1,296.85
Yukon, 2.5 mi. N. of, along State Highway 17, in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, T. 30 N., R. 8 W., 300 ft. S. and 36 ft. E. from highway at rd. SE., near triangular-blazed tree, in concrete post; standard tablet stamped "T T 1188 E R A 1935"	1,405.580
T. 30 N., R. 8 W., in NE $\frac{1}{4}$ sec. 8, 156 ft. N. of State Highway 17 at rd. N., on S. end of E. head wall of concrete culvert; chiseled square	1,393.92

T. 30 N., R. 8 W., in W $\frac{1}{2}$ sec. 5, on State Highway 17, near rds. E. and SW., on S. head wall of culvert; chiseled square	Feet 1,355.31
U.S.C. & G.S. standard disk stamped "W 33 1934"	1,327.140

7. IN NORTHEAST CORNER OF QUADRANGLE (by Cornish Beck in 1935)
(Continued from Edgar Springs quadrangle; see line 2.)

T. 32 N., R. 8 W., about 0.6 mi. S. of N. cor. secs. 8 and 9, 40 ft. W. of rd., in pasture, in 14-in. walnut tree; copper nail and washer	1,256.57
T. 32 N., R. 8 W., about 0.3 mi. S. of N. cor. secs. 16 and 17, 10 ft. E. of rd. at curve, in root on W. side of 20-in. white-oak tree; copper nail and washer	1,292.01
T. 32 N., R. 8 W., cor. secs. 16, 17, 20, and 21, 55 ft. N. and 25 ft. E. from T-rd. N., in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "349 O W A 1934"	1,266.979
T. 32 N., R. 8 W., near SE. cor. sec. 16, 140 ft. S. and 20 ft. W. from crossroads, in root on SE. side of 12-in. elm tree; copper nail and washer	1,246.92
T. 32 N., R. 8 W., near center sec. 22, 24 ft. N. and 50 ft. E. from T-rd. S., in root on S. side of 12-in. black-oak tree; copper nail and washer	1,291.59
T. 32 N., R. 8 W., near center of NE $\frac{1}{4}$ sec. 23, 35 ft. N. and 25 ft. E. from junction of Joy rd. S. and Montauk rd. NE., in concrete post; standard tablet stamped "T T 350 C W A 1934"	1,276.095
T. 32 N., R. 8 W., near center sec. 13, about 230 ft. SW. of Joy-Licking rd. at fence S., 16 ft. S. of rd., in root on W. side of 30-in. post-oak tree; copper nail and washer	1,239.23

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

8. FROM POINT 3 MILES SOUTH OF LICKING SOUTH 2 MILES ALONG U. S. 63, THENCE WEST TO WEST BORDER OF QUADRANGLE (by F. Y. Brown in 1936)

U.S.C. & G.S. standard disk stamped "B 34 1934"	1,278.403
U.S. Highway 63 at rd. E., 12 ft. S. and 25 ft. E. from, at corner post; surface of ground	1,310.4
U.S. Highway 63 at rd. W., 60 ft. N. and 30 ft. W. from, in root on N. side of 22-in. black-oak tree; crossed nails	1,322.30
Licking, 4.3 mi. S. of, along U.S. Highway 63, 150 ft. N. of Log Cabin Park, 60 ft. E. of highway, 55 ft. S. of rd. E., in root on W. side of 14-in. black-oak tree; copper nail and washer	1,389.80
U.S. Highway 63 at rd. E., 30 ft. W. of, in fence post, at ground level; spike	1,346.52
U.S.C. & G.S. standard disk stamped "A 34 1934"	1,307.156
U.S. Highway 63 at rd. W., 45 ft. W. of, in root on N. side of 12-in. black-oak tree; crossed nails	1,301.81
T. 31 N., R. 8 W., N. cor. secs. 5 and 6, 48 ft. S. and 35 ft. W. from T-rd. S., 48 ft. S. and 130 ft. E. from T-rd. N. at S. cor. secs. 31 and 32, in root on E. side of 18-in. post-oak tree; copper nail and washer	1,323.40
T. 32 N., R. 8 W., S. quarter cor. sec. 31, 18 ft. N. and 30 ft. W. from T-rd. N., in root on S. side of 26-in. black-oak tree; copper nail and washer	1,308.21
Ridge rd. N. opposite dwelling of Frank Davis, in root on S. side of 14-in. post-oak tree; crossed nails	1,304.10
Tps. 31 and 32 N., R. 9 W., 65 ft. S. and 300 ft. E. from quarter cor. between secs. 1 and 36, 310 ft. E. of T-rd. E., 50 ft. S. and 45 ft. E. from rd. SW., in root on N. side of 22-in. black-oak tree; copper nail and washer	1,302.22
Rd. fork SE., 60 ft. W. of, near pond, in root on W. side of twin 10-in. oak tree; crossed nails	1,319.89
Antioch Church, 350 ft. N. of, at rd. fork E., at corner fence post; surface of ground	1,322.0
T. 31 N., R. 9 W., near center of SW $\frac{1}{4}$ sec. 1, 15 ft. S. of T-rd. N. near crossroads, in root on N. side of 40-in. post-oak tree; copper nail and washer	1,320.60
Oscar, 1 mi. N., thence 3.6 mi. W. and S. from, in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 31 N., R. 9 W., 46 ft. S. and 94 ft. W. from SW. corner of Pine Ridge School, 205 ft. S. and 135 ft. W. from rd. corner N.-W., in limestone ledge; standard tablet stamped "T T 24 J J 1936"	1,306.411
Fences E.-W., 10 ft. S. of, 15 ft. N. of rd. at curve S. and E., in root on N. side of 10-in. black-oak tree; crossed nails	1,294.71
T. 31 N., R. 9 W., in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, 0.4 mi. N. of Arthurs Creek, at top of hill, near gate to pasture of Art Smith, 25 ft. W. of rd., in root on S. side of 22-in. black-oak tree; copper nail and washer	1,144.78
Junction of trail SW., 20 ft. N. and 60 ft. W. from, about 300 ft. E. of Arthurs Creek, in root on W. side of 30-in. black-oak tree; crossed nails	1,000.52
T. 31 N., R. 9 W., near quarter cor. between secs. 9 and 10, 10 ft. S. of SE. corner of Connley dwelling, in root on S. side of 16-in. black-walnut tree; copper nail and washer	1,038.24
Houston, 7.5 mi. N. of, along old Houston-Licking rd., in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 31 N., R. 9 W., about 500 ft. N. of dwelling of C. M. Coviness, 28 ft. W. of junction of rd. E., in limestone ledge; standard tablet stamped "T T 25 J J 1936"	1,021.048
T. 31 N., R. 9 W., in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, 50 ft. S. of Arthurs Creek, 40 ft. E. of T-rd. W., in root on N. side of 28-in. walnut tree; copper nail and washer	981.59
T. 31 N., R. 9 W., near N. sixteenth cor. between secs. 8 and 9, 30 ft. S. and 12 ft. W. from T-rd. S., in root on N. side of 10-in. black-oak tree; copper nail and washer	1,165.81

	Foot
T-rd. N., 14 ft. S. of, 0.4 mi. E. of Piney Creek, in root on N. side of 20-in. black-oak tree; crossed nails	1,090.00
T. 31 N., R. 9 W., near quarter cor. between secs. 5 and 8, 700 ft. N. of ford across Piney Creek, 30 ft. S. and 50 ft. W. from T-rd. E., in root on N. side of 30-in. elm tree; copper nail and washer	961.96
Trail N., 0.4 mi. W. of Piney Creek, 15 ft. E. of gate, 10 ft. N. of rd., in root on E. side of 18-in. white-oak tree; crossed nails	1,041.26
Junction of trail SW., 20 ft. S. and 30 ft. E. from, 0.7 mi. W. of Piney Creek, in root on N. side of 20-in. white-oak tree; copper nail and washer	1,071.72
Ellis Prairie, 3.5 mi. E. of, in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 31 N., R. 9 W., at plain cut-off in Ellis Prairie-Oscar rd., 0.4 mi. E. of junction of Success mail route, 33 ft. N. and 22 ft. W. from junction of rd. N., 12 ft. N. and 12 ft. W. from triangular-blazed 6-in. white-oak tree, in concrete post; standard tablet stamped "T 26 J J 1936"	1,215.029
T. 31 N., R. 10 W., in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, in center of rd. forks NE. and SE., 40 ft. N. and 60 ft. W. from gate, in root on S. side of 14-in. white-oak tree; copper nail and washer	1,233.29
Dwelling of E. P. Mayberry, 115 ft. N. and 210 ft. E. from NE. corner of, 15 ft. S. of rd., in root on N. side of 36-in. black-oak tree; crossed nails	1,237.59
T. 31 N., R. 10 W., 50 ft. N. and 90 ft. E. from quarter cor. between secs. 11 and 12, 35 ft. NE. of rd. at curve, in root on S. side of 14-in. black-oak tree; copper nail and washer	1,234.20

9. FROM RAYMONDVILLE EAST TO EAST BORDER OF QUADRANGLE

U.S.C. & G.S. standard disk stamped "Y 33 1934"	1,300.870
U.S. Highway 63 at rd. E., 10 ft. N. and 50 ft. E. from, at corner fence post; surface of ground	1,312.6
T. 31 N., R. 8 W., near center sec. 28, 150 ft. N. and 65 ft. W. from U.S. Highway 63 at rd. E., in root on E. side of 18-in. black-oak tree; copper nail and washer	1,373.82
U.S.C. & G.S. standard disk stamped "X 33 1934"	1,363.652
Raymondville, about 0.6 mi. N. of, along U.S. Highway 63, on E. head wall of culvert; chiseled square	1,313.30
Raymondville, at SE. corner of post office, on concrete walk; chiseled square	1,330.16
T-rd. S., 265 ft. W. of, on S. head wall of concrete culvert; chiseled square	1,331.15
Raymondville, 1 mi. E. of, along County Route T, about 0.2 mi. W. of cor. secs. 3, 4, 33, and 34, Tps. 30 and 31 N., R. 8 W., on W. end of S. head wall of double 48-in. concrete culvert; chiseled square	1,315.47
Gate to yard of J. G. Logan, 300 ft. W. of, on W. end of double 36-in. concrete culvert; chiseled square	1,324.85
T-rd. S., 40 ft. S. and 15 ft. E. from, at corner fence post; surface of ground	1,338.4
Raymondville, 2.4 mi. E. of, along County Route T, at S. cor. secs. 34 and 35, T. 31 N., R. 8 W., 42 ft. N. and 25 ft. W. from highway at rd. N., 2 ft. S. and 9 ft. W. from fence corner, in concrete post; standard tablet stamped "T 21 J J 1936"	1,368.888
Reference mark 1, 27 ft. N. and 30 ft. E. from tablet, in root on S. side of 10-in. maple tree; copper nail and washer	1,370.23
Reference mark 2, 138 ft. E. of tablet, in root on W. side of 30-in. black-oak tree; copper nail and washer	1,570.35
Concrete culvert, 350 ft. E. of dwelling of E. E. Buck, on S. head wall; chiseled square	1,337.60
Tps. 30 and 31 N., R. 8 W., 15 ft. N. and 315 ft. W. from cor. secs. 1, 2, 35, and 36, 100 ft. W. of T-rd. N., on W. end of S. head wall of concrete, double-box culvert; chiseled square	1,289.61
Junction of trail E., 45 ft. N. of, in root on S. side of 14-in. black-oak tree; crossed nails	1,311.10
Raymondville, 4.9 mi. E. of, along County Route T, in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, T. 31 N., R. 8 W., about 135 ft. E. of range line, 90 ft. N. and 25 ft. E. from highway at old rd. SE., in concrete post; standard tablet stamped "T 22 J J 1936"	1,309.449
Reference mark 1, 70 ft. S. and 65 ft. E. from tablet, 50 ft. E. of rd., in root on N. side of 12-in. black-oak tree; copper nail and washer	1,306.86
Reference mark 2, 5 ft. S. and 3 ft. E. from tablet, in root on N. side of 12-in. black-oak tree; copper nail and washer	1,309.12

(Continued in Cedar Grove quadrangle; see line 8.)

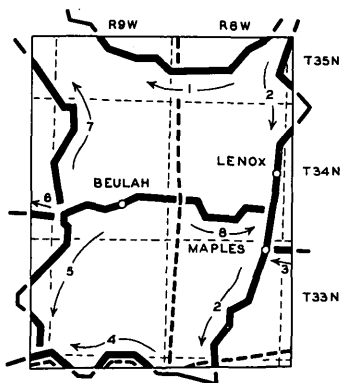
NEAR OAKDALE CHURCH (levelled twice by S. T. Tudor in 1936)

Oakdale Church, 0.7 mi. E. of, 0.2 mi. W. of cor. Tps. 29 and 30 N., R. 9 and 10 W., in NW. corner of yard of A. D. Odle, in concrete post; standard tablet stamped "10 G 1931"	1,159.786
Reference mark, 15 ft. N. and 70 ft. E. from tablet, in root on W. side of 30-in. ash tree; copper nail and washer	1,162.97
Oakdale Church, 55 ft. S. and 50 ft. E. from SE. corner of, in SW. cor. sec. 36, T. 30 N., R. 10 W., in root on S. side of 30-in. black-oak tree; copper nail and washer	1,332.58
U.S.C. & G.S. standard disk stamped "R 33 1934"	1,072.032

For additional level lines along U.S. Highway 63 and State Highway 32, refer to U.S. Coast and Geodetic Survey first-order line, Cabool to Osage City, and second-order lines, Fair Play to Licking and Ste. Genevieve to Licking.

EDGAR SPRINGS QUADRANGLE
(Latitude $37^{\circ}30' - 37^{\circ}45'$; Longitude $91^{\circ}45' - 92^{\circ}00'$)

Dent, Phelps, and Texas Counties



1. WEST NEAR CENTER OF NORTH BORDER OF QUADRANGLE (by C. H. Swift in 1908-9)

(Continued from Rolla quadrangle; see line 2.)

	Feet
Lecoma, 5 mi. SW. of, along Edgar Springs-Lecoma rd., in NE $\frac{1}{4}$ sec. 22, T. 35 N., R. 8 W., 10 ft. N. of rd., in sandstone ledge; aluminum tablet stamped "1061"	1,060.425
Lecoma, 6.8 mi. SW. of, along Edgar Springs-Lecoma rd., on W. side of Little Piney Creek, at first rd. fork S., in root of 14-in. post-oak tree; nail	1,135.85
Lecoma, 7.3 mi. SW. of, along Edgar Springs-Lecoma rd., near junction of rd. N. to Yancy Mills, in root of 18-in. black-oak tree; nail	1,161.09
Lecoma, 8.7 mi. SW. of, along Edgar Springs-Lecoma rd., near junction of rd. N., in root of 16-in. post-oak tree; nail	1,193.44
Lecoma, 9.3 mi. SW. of, along Edgar Springs-Lecoma rd., at junction of rd. to Houston, in NW $\frac{1}{4}$ sec. 30, T. 35 N., R. 8 W., 100 ft. NW. of rd. W., 100 ft. N. of small ravine, in sandstone ledge; aluminum tablet stamped "1153"	1,152.792
T. 35 N., R. 9 W., near center of E $\frac{1}{2}$ sec. 23, 1.7 mi. W. of rd. to Houston, 0.4 mi. E. of dwelling of Avert Jenkins, at ford across Corn Creek, in top of large sandstone; aluminum tablet stamped "1057"	1,056.453
Flat, 1.2 mi. E. of, at junction of Edgar Springs-Newburg rd., in root of 10-in. post-oak tree; nail	1,134.69
Flat, 0.4 mi. SW. of, along Relfe rd., near headwaters of Mill Creek, 150 ft. N. of rd. forks, 10 ft. E. of rd., in sandstone ledge; aluminum tablet stamped "1116"	1,115.685
Flat, 0.9 mi. W. of, along ridge rd. to Arlington, near rd. fork S., 300 ft. W. of log building known as Main Hotel, in root of 12-in. white-oak tree; nail	1,165.00

(Continued in Rolla quadrangle; see line 2.)

2. SOUTH ALONG EAST BORDER OF QUADRANGLE (by Cornish Beck in 1935)

Lecoma, 2 mi. S. and 1 mi. W. from, SW. cor. sec. 18, T. 35 N., R. 7 W., 25 ft. S. and 15 ft. E. from T-rd., in root on N. side of 18-in. post-oak tree; copper nail and washer	1,147.83
T. 35 N., R. 7 W., 425 ft. N. of rd. at fence E. at W. quarter cor. sec. 30, at top of hill, 25 ft. W. of rd., in rail-fence line, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 334 C W A 1934"	1,134.346
T. 35 N., R. 8 W., about 0.2 mi. N. of SE. cor. sec. 25, 245 ft. N. and 18 ft. E. from T-rd. W., 70 ft. S. and 55 ft. W. from SW. corner of dwelling on Shady Lawn Farm, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 335 C W A 1934"	1,189.286
T. 35 N., R. 7 W., about 0.2 mi. N. of SW. cor. sec. 31, 8 ft. S. and 30 ft. E. from T-rd., in root on SW. side of 26-in. white-oak tree; copper nail and washer	1,131.28

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

Lenox, 1.3 mi. NE. of, in NE $\frac{1}{4}$ sec. 12, T. 34 N., R. 8 W., 35 ft. W. of rd., 190 ft. S. and 20 ft. E. from log dwelling, 5 ft. W. of fence, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "338 C W A 1934"	1,273.303
Lenox, 1 mi. NE. of, about 800 ft. W. of E. quarter cor. sec. 12, T. 34 N., R. 8 W., 135 ft. N. and 90 ft. E. from crossroads, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "339 C W A 1934"	1,275.151

	<u>Feet</u>
Lenox, 245 ft. NW. of junction of Main Street and County Route D, 40 ft. S. of Shell filling sta. on NE. corner of concrete sidewalk; chiseled square	1,278.91
Lenox, 1.2 mi. S. of, near center sec. 24, T. 34 N., R. 8 W., in front of dwelling of Les Kinder, 20 ft. E. of rd., in root on S. side of 36-in. black-oak tree; copper nail and washer	1,303.00
Lenox, 1.9 mi. SW. of, about 0.3 mi. E. of SW. cor. sec. 24, T. 34 N., R. 8 W., 150 ft. SW. of rd. forks, 220 ft. NW. of dwelling, 23 ft. W. of rd., in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "340 C W A 1934"	1,303.471
Lenox, about 2.2 mi. SW. of, 130 ft. N. and 300 ft. E. from N. sixteenth cor. between secs. 25 and 26, T. 34 N., R. 8 W., 135 ft. E. of dwelling, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "341 C W A 1934"	1,319.755
Lenox, 3.4 mi. SW. of, near center sec. 35, T. 34 N., R. 8 W., 14 ft. W. of rd., 3 ft. E. of SE. corner of barnyard, in root on E. side of 10-in. catalpa tree; copper nail and washer	1,314.61
Lenox, 4.2 mi. SW. of, along Lenox-Licking rd., 10 ft. S. and 70 ft. W. from T-rd. E., on Dent-Texas county line, in root on SE. side of 10-in. black-oak tree; copper nail and washer	1,324.92
Maples, in front of post office, 15 ft. S. and 20 ft. E. from crossroads, in root on W. side of 16-in. post-oak tree; copper nail and washer	1,364.85
Maples, 1.2 mi. SW. of, 800 ft. SW. of NE. cor. sec. 15, T. 33 N., R. 8 W., about 630 ft. SW. of NW. corner of cemetery, 20 ft. E. of rd., in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "346 C W A 1934"	1,377.795
Maples, 2.1 mi. S. of, along Lenox-Licking rd., 20 ft. N. of rd., in root on S. side of 16-in. post-oak tree; copper nail and washer	1,371.67
Maples, 2.8 mi. SW. of, along Lenox-Licking rd., in NE $\frac{1}{4}$ sec. 22, T. 33 N., R. 8 W., 25 ft. N. and 40 ft. W. from junction of dim rds. W. and N., in root on SE. side of 24-in. black-oak tree; copper nail and washer	1,377.83
T. 33 N., R. 8 W., on line between secs. 21 and 28, 120 ft. NE. of T-rd. E., in root on SW. side of 12-in. black-oak tree; copper nail and washer	1,380.44
Licking, 2.8 mi. NE. of, along Lenox-Licking rd., 20 ft. N. and 20 ft. E. from rd. junction at S. sixteenth cor. between secs. 28 and 29, T. 33 N., R. 8 W., about 580 ft. E. of Baxter School, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "347 C W A 1934"	1,315.461
Reference mark, 85 ft. NE. of tablet, in root on E. side of 12-in. black-jack-oak tree; copper nail and washer	1,313.93
Licking, about 2.5 mi. NE. of, near quarter cor. between secs. 4 and 5, T. 32 N., R. 8 W., 40 ft. E. of rd., 50 ft. W. of dwelling, in root on W. side of 18-in. elm tree; copper nail and washer	1,347.34
Licking, 2 mi. E. of, along State Highway 32, about 0.3 mi. N. of NE. cor. sec. 8, T. 32 N., R. 8 W., 30 ft. N. and 10 ft. W. from highway at N.-S. cross rd., in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "348 C W A 1934"	1,365.507

(Continued in Raymondville quadrangle; see line 7.)

3. FROM POINT NEAR CENTER OF SOUTH HALF OF EAST BORDER OF QUADRANGLE
WEST ABOUT 2 MILES

(Continued from Salem quadrangle; see line 7.)

T. 34 N., R. 7 W., near SW. cor. sec. 31, 300 ft. W. of creek, 160 ft. E. of rd. fork N., 20 ft. N. of rd., in root on SW. side of 12-in. black-oak tree; lead-headed nail	1,227.53
Maples, about 2 mi. NE. of, near quarter cor. between secs. 1 and 36, Tps. 33 and 34 N., R. 8 W., at top of hill, 15 ft. N. and 140 ft. W. from T-rd. N., 1 ft. S. of fence, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 343 C W A 1934"	1,297.640
Maples, about 1.7 mi. NE. of, about 900 ft. E. of cor. secs. 1, 2, 35, and 36, Tps. 33 and 34 N., R. 8 W., 15 ft. S. and 150 ft. W. from rd. at lane N., near edge of pond, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "T T 342 C W A 1934"	1,302.689

4. WEST ALONG WEST HALF OF SOUTH BORDER OF QUADRANGLE (by B. A. Barnes in 1935)

(Continued from Raymondville quadrangle; see line 3.)

Licking, about 1.5 mi. W. of, along State Highway 32, in NE $\frac{1}{4}$ sec. 2, T. 32 N., R. 9 W., 122 ft. SE. of junction of rd. W., 40 ft. NW. of junction of rd. E., 26 ft. S. of highway, in root of 18-in. twin black-oak tree; copper nail and washer	1,283.08
Licking, about 2 mi. W. of, along State Highway 32, in NW $\frac{1}{4}$ sec. 2, T. 32 N., R. 9 W., at top of hill, 44 ft. N. of highway, 3 ft. W. of lane to dwelling, in root of 8-in. black-oak tree; copper nail and washer	1,311.36
Licking, 2.8 mi. NW. of, along State Highway 32, 355 ft. N. of cor. secs. 2, 3, 34, and 35, Tps. 32 and 33 N., R. 9 W., 30 ft. S. of highway at N.-S. cross rd., 10 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 1168 W 1935"	1,270.503
Licking, about 3.3 mi. NW. of, along State Highway 32, in NW $\frac{1}{4}$ sec. 34, T. 33 N., R. 9 W., 87 ft. W. of junction of rd. NE., 29 ft. N. of highway, at fence corner, in root of 15-in. white-oak tree; copper nail and washer	1,257.35
Licking, about 3.5 mi. NW. of, along State Highway 32, in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, T. 33 N., R. 9 W., 50 ft. N. of highway, 3 ft. W. of rd. N., in root of 24-in. white-oak tree; copper nail and washer	1,246.74

Licking, about 5 mi. W. of, along State Highway 32, at approximate quarter cor. between secs. 32 and 33, T. 33 N., R. 9 W., at bottom of hill, 50 ft. N. of highway, 12 ft. E. of corrugated iron pipe culvert, in root of 24-in. white-oak tree; copper nail and washer	<u>Feet</u> 1,172.09
Licking, 5.8 mi. W. of, along State Highway 32, at S. sixteenth cor. sec. 32, T. 33 N., R. 9 W., 30 ft. S. and 85 ft. W. from highway at rd. E., in concrete post; standard tablet stamped "T T 1169 W 1934"	1,197.839

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

Licking, 9 mi. W. of, along State Highway 32, in SW $\frac{1}{4}$ sec. 1, T. 32 N., R. 10 W., about 0.4 mi. S. of bridge over Piney Creek, 115 ft. N. and 28 ft. W. from highway at rd. W., in concrete post; standard tablet stamped "T T 1170 W 1934"	1,008.663
Licking, about 9.4 mi. W. of, along State Highway 32, in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, T. 32 N., R. 10 W., on SW. corner of S. concrete abutment of bridge over Piney Creek; chiseled square	930.28

(Continued in Plum Valley quadrangle; see line 3.)

5. FROM POINT NEAR CENTER OF QUADRANGLE WEST TO WEST BORDER, THENCE SOUTH TO SOUTHWEST CORNER (by G. R. Hamlin in 1936)

U.S.C. & G.S. standard disk stamped "H 34 1934"	1,263.859
Top of hill, on S. side of rd., in root on W. side of 10-in. white-oak tree; crossed nails	1,242.09
T. 34 N., R. 9 W., near cor. secs. 23, 24, 25, and 26, 20 ft. N. and 20 ft. W. from crossroads, in root on SW. side of 15-in. white-oak tree; copper nail and washer	1,222.02
Top of hill, on S. side of rd., in root on N. side of 12-in. black-oak tree; crossed nails	1,211.27
T. 34 N., R. 9 W., 20 ft. N. and 5 ft. W. from cor. secs. 22, 23, 25, and 27, in root on S. side of 15-in. hickory tree; copper nail and washer	1,186.13
Log barn, 90 ft. NW. of, in root on W. side of 8-in. hackberry tree; crossed nails	1,109.12
Creek, on E. side of, on S. side of rd., in root on W. side of twin hackberry tree; crossed nails	1,031.29
Beulah, in S. part of, near cemetery, 49 ft. W. of rd., 80 ft. N. and 5 ft. E. from schoolhouse, 4 ft. S. of fence, in concrete post; standard tablet stamped "1471 E R A 1935"	1,141.161
Beulah, top of hill at T-rd. N., in root on W. side of 12-in. white-oak tree; crossed nails	1,136.71
T. 34 N., R. 9 W., near N. sixteenth cor. sec. 28, 40 ft. W. of creek, 30 ft. N. of rd., in root on S. side of 15-in. sycamore tree; copper nail and washer	982.44
Fence N., at corner post; surface of ground	1,083.1
Top of hill, 25 ft. NW. of rd., in root on S. side of 18-in. black-oak tree; crossed nails	1,168.42
T. 34 N., R. 9 W., 65 ft. S. and 35 ft. E. from quarter cor. between secs. 29 and 32, in root on E. side of 12-in. black-oak tree; copper nail and washer	1,200.82
Rd. at curve, 30 ft. N. of, 15 ft. NW. of U.S. Forest Service poster, in root on E. side of 20-in. white-oak tree; crossed nails	1,208.40
T-rd. S., in root on E. side of 12-in. white-oak tree; crossed nails	1,187.72
Blooming Rose, 0.2 mi. E. of, 30 ft. S. of rd. near E. end of curve NW., 50 ft. N. of creek, in concrete post; standard tablet stamped "1470 E R A 1935"	1,181.396
Farm entrance W., in root on E. side of 18-in. white-oak tree; crossed nails	1,240.32
T. 33 N., R. 9 W., near N. quarter cor. sec. 6, 50 ft. N. and 10 ft. E. from junction of rd. SW., in root on S. side of 15-in. white-oak tree; copper nail and washer	1,237.91
Top of ridge, on N. side of rd., in root on E. side of 18-in. black-oak tree; crossed nails	1,292.01
Rd. at N. end of curve, on W. side of, in root on E. side of 8-in. white-oak tree; crossed nails	1,205.76
T. 33 N., R. 9 W., in sec. 6, 50 ft. N. and 10 ft. W. from corner of fence S., in root on S. side of 16-in. white-oak tree; copper nail and washer	1,180.77
Top of ridge, at dim rd. N., in root on N. side of 18-in. white-oak tree; crossed nails	1,163.16
T. 33 N., R. 10 W., in sec. 12, 30 ft. N. and 50 ft. W. from triangle at T-rd. E., in root on S. side of 20-in. white-oak tree; copper nail and washer	1,021.50
T. 33 N., R. 10 W., at S. sixteenth cor. between secs. 11 and 12, 18 ft. W. of rd., 295 ft. N. of dwelling of Archie Kline, 3 ft. E. of rail fence, in concrete post; standard tablet stamped "1477 E R A 1935"	1,108.079
Top of ridge, at 4-in. cedar tree; surface of ground	1,210.0
T. 33 N., R. 10 W., in SW $\frac{1}{4}$ sec. 13, 130 ft. S. and 70 ft. E. from corner post at fence N., in root on W. side of 14-in. leaning black-oak tree; copper nail and washer	1,203.49
Top of ridge, near old store building, in root on S. side of 24-in. white-oak tree; crossed nails	1,225.98
Crossroads, at center of, in root on N. side of 8-in. hickory tree; crossed nails	1,178.76
Creek bed, at 8-in. black-gum tree; surface of ground	1,075.2
T. 33 N., R. 10 W., 268 ft. W. of E. sixteenth cor. between secs. 23 and 26, 15 ft. S. of junction of rd. NE., 3 ft. S. and 62 ft. W. from fence corner, in concrete post; standard tablet stamped "1478 E R A 1935"	1,173.910

	<u>Feet</u>
Top of ridge, about 350 ft. E. of dwelling, in root on N. side of twin red-oak tree; crossed nails	1,171.74
Junction of Weber rd. and dim rd. N., in root on S. side of 36-in. white-oak tree; crossed nails	1,143.45
T. 33 N., R. 10 W., in sec. 26, 15 ft. N. and 90 ft. E. from crossroads, in root on S. side of 10-in. white-oak tree; copper nail and washer	1,182.89
Rd. forks at top of ridge, in root on S. side of 14-in. white-oak tree; crossed nails	1,179.62
Barn, on N. side of, in root on W. side of 14-in. elm tree; crossed nails	931.16

(For balance in Big Piney quadrangle, see line 9.)

T. 33 N., R. 10 W., in SW $\frac{1}{4}$ sec. 35, at SW. corner of schoolyard, in root on W. side of 20-in. black-oak tree; copper nail and washer	952.17
Stones' crossing of Piney Creek, on W. side of, in root on N. side of 14-in. sycamore tree; crossed nails	901.02
T. 32 N., R. 10 W., in N. part of NW $\frac{1}{4}$ sec. 1, on S. bank of Piney Creek near Sandy Shoal crossing, in fence line, in root on N. side of 14-in. elm tree; copper nail and washer	915.30
U.S.C. & G.S. standard disk stamped "S 113 1935"	930.277

6. WEST FROM POINT NEAR CENTER OF WEST BORDER OF QUADRANGLE

T. 34 N., R. 10 W., in N. part of NW $\frac{1}{4}$ sec. 36, at NE. corner of yard fence, in root on N. side of 12-in. white-oak tree; copper nail and washer	1,171.09
Rail fence N., about 150 ft. W. of, on N. side of rd., in root on S. side of 20-in. black-oak tree; crossed nails	1,135.54

(Continued in Big Piney quadrangle; see line 5.)

7. FROM POINT NEAR CENTER OF WEST BORDER OF QUADRANGLE NORTH TO NORTHWEST CORNER

Rd. junction, in triangle formed by, in root on W. side of 12-in. white-oak tree; crossed nails	1,212.07
Blooming Rose, about 1.3 mi. N. of, in NE $\frac{1}{4}$ sec. 25, T. 34 N., R. 10 W., 25 ft. S. and 25 ft. W. from rd. fork SW., in root on S. side of 20-in. white-oak tree; copper nail and washer	1,191.63
Blooming Rose, 3 mi. N. of, in SE $\frac{1}{4}$ sec. 13, T. 34 N., R. 10 W., 24 ft. S. and 40 ft. W. from center of triangle at junction of rd. to C.C.C. Camp 1732, in concrete post; standard tablet stamped "1476 E R A 1935"	1,189.902
T-rd. W., 35 ft. N. and 25 ft. E. from, in root on N. side of 10-in. black-oak tree; crossed nails	1,175.69
Duke, 1 mi. E. of, in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 34 N., R. 10 W., 65 ft. S. and 30 ft. W. from T-rd. W., in root on E. side of 15-in. white-oak tree; copper nail and washer	1,184.06
T. 34 N., R. 10 W., in SE $\frac{1}{4}$ sec. 1, 0.3 mi. N. of dwelling of L. J. Robbin, 0.2 mi. S. of winding rd. NW., 28 ft. W. of rd. near center of curve, in concrete post; standard tablet stamped "1475 E R A 1935"	1,123.122
T-rd. NW., 75 ft. NE. of, in root on N. side of 20-in. black-oak tree; copper nail and washer	1,123.49
T. 34 N., R. 9 W., NW $\frac{1}{4}$ sec. 6, 45 ft. N. and 35 ft. E. from T-rd. N., in root on W. side of 18-in. black-oak tree; copper nail and washer	1,140.25
T. 35 N., R. 9 W., about 460 ft. W. of E. sixteenth cor. on S. line of sec. 31, 45 ft. N. and 15 ft. E. from triangle at rd. forks, in concrete post; standard tablet stamped "1474 E R A 1935"	849.594
T. 35 N., R. 10 W., in NE $\frac{1}{4}$ sec. 35, 90 ft. S. and 20 ft. W. from T-rd. E., 75 ft. W. of dwelling of Walter Rolaff, on concrete base of corner fence post; chiseled square	832.68

(Continued in Big Piney quadrangle; see line 6.)

8. FROM POINT NEAR CENTER OF QUADRANGLE EAST ABOUT 7 MILES

Rd. forks, in small valley, 30 ft. S. and 30 ft. E. from, in root on W. side of 20-in. white-oak tree; crossed nails	1,167.92
Bridge, in center of N. railing; top of steel upright	1,165.8
T. 34 N., R. 8 W., quarter cor. between secs. 29 and 32, 30 ft. N. and 75 ft. E. from triangle at rd. forks, in root on W. side of 20-in. white-oak tree; copper nail and washer	1,167.37
T. 34 N., R. 8 W., in NE $\frac{1}{4}$ sec. 32, 45 ft. N. and 20 ft. E. from T-rd. W., in root on S. side of 30-in. black-oak tree; copper nail and washer	1,203.59
T. 34 N., R. 8 W., in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, 18 ft. S. of rd., in front of dwelling of R. L. Cook, 3 ft. S. of fence, in concrete post; standard tablet stamped "1472 E R A 1935"	1,246.758
Rd. fork SW., 60 ft. W. of, in root on W. side of 14-in. white-oak tree; crossed nails	1,345.89
T. 34 N., R. 8 W., quarter cor. between secs. 33 and 34, 4 ft. N. and 20 ft. W. from T-rd. E., in root on N. side of 10-in. black-oak tree; copper nail and washer	1,335.96
T. 34 N., R. 8 W., center sec. 34, 20 ft. N. and 30 ft. W. from rd. forks, in root on S. side of 20-in. black-oak tree; copper nail and washer	1,344.57
Wooden bridge, at SE. corner of S. end of, in end of log; crossed nails	1,271.05

NEAR EDGAR SPRINGS

U.S.C. & G.S. standard disk stamped "L 34 1934"

Lecoma, 9.3 mi. SW. of, along Edgar Springs-Lecoma rd., at junction of rd. to Houston, in NW $\frac{1}{4}$ sec. 30, T. 35 N., R. 8 W., 100 ft. NW. of rd. W., 100 ft. N. of small ravine, in sandstone ledge; aluminum tablet stamped "1153"

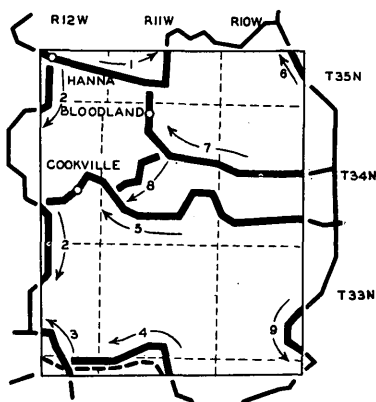
Feet

1,198.456

1,152.792

For additional level lines along U.S. Highway 63 and State Highway 32, refer to U.S. Coast and Geodetic Survey first-order line, Cabool to Osage City, and second-order lines, Fair Play to Licking and Ste. Genevieve to Licking.

BIG PINEY QUADRANGLE
(Latitude 37°30'-37°45'; longitude 92°00'-92°15')
Laclede, Phelps, Pulaaski, and Texas Counties



1. FROM NORTHWEST CORNER OF QUADRANGLE EAST ALONG WEST HALF OF NORTH BORDER (by W. R. Broadus in 1924)
(Continued from Drynob quadrangle; see line 1.)

Hanna, 0.6 mi. N. of, in SW $\frac{1}{4}$ sec. 22, T. 35 N., R. 12 W., 150 ft. NW. of rd. junction, on S. side of rd., in root on N. side of 36-in. post-oak tree; copper nail and washer	873.63
Hanna, 90 ft. N. of post office, in SW $\frac{1}{4}$ sec. 27, T. 35 N., R. 12 W., 50 ft. NE. of rd. junction, in root on S. side of 18-in. black-oak tree; copper nail and washer	884.81
Hanna, 0.8 mi. E. of, in NE $\frac{1}{4}$ sec. 27, T. 35 N., R. 12 W., at top of hill, 25 ft. S. of rd., in root on N. side of 20-in. post-oak tree; copper nail and washer	1,066.99
Hanna, 1.7 mi. E. of, near center sec. 26, T. 35 N., R. 12 W., 40 ft. NE. of rd. junction, 14 ft. N. of fence corner, in concrete post, standard tablet stamped "26 B 1925 Mo"	1,086.019
Reference mark, 71 ft. E. of tablet, in root on W. side of 30-in. post-oak tree; copper nail and washer	1,087.46
Hanna, 3.2 mi. SE. of, in NW $\frac{1}{4}$ sec. 36, T. 35 N., R. 12 W., 0.9 mi. W. of Lone Star School, 20 ft. N. and 20 ft. W. from rd. junction, in root on SW. side of 18-in. post-oak tree; copper nail and washer	1,181.62
Lone Star School, 110 ft. SE. of, in SE $\frac{1}{4}$ sec. 30, T. 35 N., R. 11 W., 50 ft. N. of rd., in root on S. side of 24-in. post-oak tree; copper nail and washer	1,077.38
Wharton, 1.8 mi. SW. of, 0.2 mi. E. of W. cor. secs. 29 and 32, T. 35 N., R. 11 W., in hollow, 40 ft. NW. of rd. junction, 40 ft. NE. of dwelling of John Crossland, in concrete post; standard tablet stamped "27 B 1925 Mo"	994.269
Wharton, 2 mi. SE. of, on Bloodland-Wayneville rd., near N. sixteenth cor. between secs. 32 and 33, T. 35 N., R. 11 W., 25 ft. NE. of rd. junction, in root on W. side of 12-in. black-oak tree; copper nail and washer	1,113.47
Tribune, about 2.3 mi. SW. of, 0.1 mi. E. of quarter cor. between secs. 32 and 33, T. 35 N., R. 11 W., 50 ft. S. and 60 ft. W. from rd. junction, in root on E. side of 16-in. post-oak tree; copper nail and washer	1,110.45
Tribune, about 2.2 mi. SW. of, quarter cor. between secs. 33 and 34, T. 35 N., R. 11 W., 15 ft. NE. of crossroads, in root on SW. side of 24-in. black-oak tree; copper nail and washer	1,099.93
Tribune, 1.5 mi. S. of, 150 ft. E. of quarter cor. between secs. 34 and 35, T. 35 N., R. 11 W., 35 ft. S. and 15 ft. W. from rd. junction, in concrete post; standard tablet stamped "28 B 1925 Mo"	1,081.194
Reference mark, 40 ft. N. 25° W. of tablet, in root on SE. side of 12-in. black-oak tree; copper nail and washer	1,055.60

Tribune, 1 mi. S. of, 0.1 mi. E. of cor. secs. 26, 27, 34, and 35, T. 35 N., R. 11 W., 40 ft. from rd., opposite dwelling of E. S. Ogle, in root on W. side of 24-in. post-oak tree; copper nail and washer	1,108.41
Tribune, 105 ft. N. of post office, near cor. secs. 22, 23, 26, and 27, T. 35 N., R. 11 W., 95 ft. N. and 45 ft. W. from crossroads, in root on E. side of 14-in. hickory tree; copper nail and washer	1,133.23
Tribune, 0.7 mi. N. of, 0.2 mi. N. of quarter cor. between secs. 22 and 23, T. 35 N., R. 11 W., 20 ft. E. of rd., in front of dwelling of Will Elkins, in root on E. side of 12-in. locust tree; copper nail and washer	1,108.06

(Continued in Waynesville quadrangle; see line 8.)

2. FROM HANNA SOUTH ALONG WEST BORDER OF QUADRANGLE (by George W. Moore in 1931)

Hanna, 55 ft. NE. of post office, in SW $\frac{1}{4}$ sec. 27, T. 35 N., R. 12 W., 45 ft. E. of rd. forks, in root on W. side of 19-in. black-oak tree; copper nail and washer	884.84
Hanna, 1 mi. SE. of, in SE $\frac{1}{4}$ sec. 27, T. 35 N., R. 12 W., opposite dwell- ing on hill, N. of rd., in fence line, in root on S. side of 7-in. oak tree; copper nail and washer	907.96
Hanna, 1.9 mi. SE. of, in center of SE $\frac{1}{4}$ sec. 34, T. 35 N., R. 12 W., 40 ft. W. of rd. at private crossroad between dwelling and garage of C. W. Berry, in top of concrete runway to garage; standard tablet stamped "71 M 1931"	911.462
Reference mark, 40 ft. N. of tablet, 45 ft. NW. of private crossroad, in root on SE. side of 16-in. oak tree; copper nail and washer	914.70
Hanna, 2.7 mi. SE. of, at E. edge of rd., in top of stump; copper nail and washer	900.77
Hanna, 2.9 mi. SE. of, about 0.1 mi. S. of dwelling of Jessie Williams, at W. edge of rd., in root on NE. side of 12-in. oak tree; copper nail and washer	901.10
Hanna, 3.9 mi. S. of, in sec. 3, T. 34 N., R. 12 W., 600 ft. S. of York dwelling, 80 ft. N. and 30 ft. E. from rd. forks, in root on NW. side of 15-in. walnut tree; copper nail and washer	946.75
Hanna, 4.3 mi. S. of, near line between secs. 3 and 4, T. 34 N., R. 12 W., at top of hill, on S. side of rd., in root on N. side of 17-in. oak tree; copper nail and washer	1,098.81

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

Tps. 33 and 34 N., R. 12 W., 0.4 mi. E. of cor. secs. 3, 4, 33, and 34 and corner of Pulaski and Texas counties, 26 ft. S. and 23 ft. W. from T-rd. W., in root on NW. side of 18-in. oak tree; copper nail and washer	1,215.62
T. 33 N., R. 12 W., near center of W $\frac{1}{2}$ sec. 3, on SE. bank of stream, at E. edge of rd., in root on W. side of 12-in. oak tree; copper nail and washer	1,045.41
T. 33 N., R. 12 W., in SW $\frac{1}{4}$ sec. 3, 40 ft. NE. of rd. forks, 80 ft. N. and 20 ft. E. from mail box of W. H. Cook, in root on NW. side of 15-in. oak tree; copper nail and washer	1,192.45
T. 33 N., R. 12 W., in NW $\frac{1}{4}$ sec. 10, 0.5 mi. N. of Cedar Bluff School, 100 ft. NE. of ford, 25 ft. NW. of rd. forks, in root on W. side of 20-in. oak tree; copper nail and washer	1,046.91
Cedar Bluff School, in SW $\frac{1}{4}$ sec. 10, T. 33 N., R. 12 W., in SW. angle of dim rd. forks, 132 ft. S. and 105 ft. W. from SW. corner of schoolhouse, in concrete post; standard tablet stamped "76 M 1931"	1,172.350
Reference mark, 20 ft. SE. of tablet, at W. edge of rd., in root on E. side of 18-in. oak tree; copper nail and washer	1,171.77

(Continued in Drynob quadrangle; see line 2.)

3. IN SOUTHWEST CORNER OF QUADRANGLE (by E. W. Geucheneur in 1931)
(Continued from Drynob quadrangle; see line 5.)

Plato, 0.9 mi. W. of, 150 ft. SE. of dwelling of J. W. Arnold, 22 ft. S. and 30 ft. W. from dim rd. fork to field, on sandstone ledge; chiseled square	1,079.00
Plato, 0.2 mi. W. of, 200 ft. E. of ford across Roubidoux Creek, 125 ft. W. of junction of rd. known as Lower Lebanon rd. N., in concrete post; standard tablet stamped "29 G 1931"	1,063.167
Reference mark, 28 ft. E. of tablet, in root on SE. side of leaning white- oak tree; copper nail and washer	1,062.03
T. 32 N., R. 12 W., near center of N $\frac{1}{2}$ sec. 3, 40 ft. SE. of mail box of J. H. Williams, 20 ft. N. of rd., in rail-fence line, in root on SW. side of 15-in. black-oak tree; copper nail and washer	1,245.37
T. 33 N., R. 12 W., quarter cor. between secs. 27 and 34, 35 ft. W. of rd., in root on S. side of 5-in. sassafras tree; copper nail and washer	1,159.36

4. WEST ALONG WEST HALF OF SOUTH BORDER OF QUADRANGLE (by B. A. Barnes in 1935)

(Continued from Plum Valley quadrangle; see line 3.)

T. 32 N., R. 11 W., in NW $\frac{1}{4}$ sec. 10, 114 ft. N. of State Highway 17, 9 ft. NE. of fence corner, in root of 22-in. white-oak tree; copper nail and washer	1,387.67
Roby, in NW $\frac{1}{4}$ sec. 3, T. 32 N., R. 11 W., 20 ft. N. and 42 ft. E. from junction of State Highways 17 and 17-A, in concrete post; standard tablet stamped "T T 1175 W 1935"	1,395.247

Roby, about 1 mi. W. of, along State Highway 17-A, in NW $\frac{1}{4}$ sec. 4, T. 32 N., R. 11 W., on W. end of N. head wall of concrete culvert; chiseled square	<u>Feet</u> 1,370.08
Roby, about 1.2 mi. W. of, along State Highway 17-A, near N. sixteenth cor. between secs. 4 and 5, T. 32 N., R. 11 W., about one-third way down long hill, on E. head wall of concrete culvert; chiseled square	1,326.66
Roby, about 2 mi. W. of, along State Highway 17-A, in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 32 N., R. 11 W., on SE. corner of bridge over Rock Creek; chiseled square	1,238.40
Plato, about 2.5 mi. E. of, along State Highway 17-A, in sec. 6, T. 32 N., R. 11 W., about 0.7 mi. W. of bridge over Rock Creek, at top of hill, 50 ft. S. of highway, in pasture, in root of 14-in. black-oak tree; copper nail and washer	1,346.50
Plato, 2 mi. E. of, along State Highway 17-A, about 500 ft. N. of quarter cor. between secs. 6 and 7, T. 32 N., R. 11 W., 40 ft. S. and 55 ft. W. from highway at rd. S., in concrete post; standard tablet stamped "T T 1176 W 1935"	1,352.074
Plato, 1 mi. E. of, along State Highway 17-A, in S $\frac{1}{2}$ sec. 1, T. 32 N., R. 12 W., on E. end of S. head wall of concrete culvert; chiseled square	1,304.24
Plato, in front of general store of G. A. Tracy, on concrete base of gasoline pump; chiseled square	1,129.30

5. FROM CENTER OF EAST BORDER OF QUADRANGLE WEST TO WEST BORDER

(by G. R. Hamlin in 1936)

(Continued from Edgar Springs quadrangle; see line 6.)

Crossroads, at SE. corner of, in root on N. side of 14-in. black-oak tree; crossed nails	1,152.78
T. 34 N., R. 10 W., in SW $\frac{1}{4}$ sec. 26, 30 ft. S. and 30 ft. E. from rd. junction, in root on S. side of 18-in. white-oak tree; copper nail and washer	1,162.90
T-rd. N., in root on S. side of 10-in. white-oak tree; crossed nails	1,167.12
Rd. forks at top of ridge, in root on S. side of 12-in. white-oak tree; crossed nails	1,136.45
T. 34 N., R. 10 W., 32 ft. N. and 285 ft. E. from approximate W. sixteenth cor. between secs. 27 and 34, 71 ft. S. of dwelling of G. A. Knapp, in concrete post; standard tablet stamped "1469 E R A 1935"	1,096.410
Top of ridge, near gate in N.-S. steel fence, in root on N. side of 18-in. black-oak tree; crossed nails	1,117.94
Rd. at slight depression, in root on N. side of 12-in. black-oak tree; crossed nails	1,072.12
T. 34 N., R. 10 W., in NW $\frac{1}{4}$ sec. 33, 25 ft. S. of rd. near E. end of turn, in root on N. side of 18-in. white-oak tree; copper nail and washer	1,061.17
Rd. corner W.-N., at fence corner W.-S.; surface of ground	882.0
T. 34 N., R. 10 W., near quarter cor. between secs. 29 and 32, on W. side of Piney Creek, in triangle formed by rd. junction, in root on S. side of 20-in. white-oak tree; copper nail and washer	859.88
Long hill, about halfway up, on S. side of rd., in root on N. side of 14-in. black-oak tree; crossed nails	1,089.70
T. 34 N., R. 10 W., in NE $\frac{1}{4}$ sec. 31, 45 ft. S. and 30 ft. E. from junction of rd. SE. to Prewett Spring, in concrete post; standard tablet stamped "1468 E R A 1935"	1,178.915
T-rd. NE., in root on W. side of 20-in. black-oak tree; crossed nails	1,155.51
T. 34 N., R. 10 W., near center sec. 30, at top of ridge, 150 ft. W. of T-rd. N., near E. end of curve, in root on N. side of 18-in. black-oak tree; copper nail and washer	1,121.35
Ford across small stream, in root on N. side of 14-in. elm tree; crossed nails	924.37
T. 34 N., R. 11 W., in NE $\frac{1}{4}$ sec. 25, 50 ft. E. of farm entrance, in root on W. side of 18-in. white-oak tree; copper nail and washer	914.55
Ford across small stream, at N. end of, in root on N. side of 12-in. elm tree; crossed nails	883.84
T. 34 N., R. 11 W., near quarter cor. between secs. 23 and 24, 40 ft. N. and 50 ft. E. from T-rd. N., near ford across small stream, in root on S. side of 20-in. black-oak tree; copper nail and washer	889.56
Baldridge School, near quarter cor. between secs. 25 and 26, T. 34 N., R. 11 W., at NE. corner of schoolyard, in root on S. side of 12-in. white-oak tree; copper nail and washer	1,177.55
Baldridge School, about 0.7 mi. SW. of, on top of prominent hill, 3 ft. N. and 287 ft. W. from stone at E. sixteenth cor. between secs. 26 and 35, T. 34 N., R. 11 W., in concrete post; standard tablet stamped "1467 E R A 1935"	1,191.182
Corner of rail fence, 40 ft. S. and 30 ft. E. from, in valley, in root on N. side of 8-in. black-oak tree; crossed nails	1,048.69
T. 34 N., R. 11 W., in S $\frac{1}{2}$ sec. 34, 30 ft. S. and 75 ft. E. from State Highway 17 at rd. E., in root on N. side of 20-in. white-oak tree; copper nail and washer	1,283.72
T. 34 N., R. 11 W., about 330 ft. E. of cor. secs. 27, 28, 33, and 34, in root on S. side of 20-in. white-oak tree; copper nail and washer	1,214.62
Small stream E. of Palace C.C.C. Camp, in root on S. side of 18-in. elm tree; crossed nails	1,116.11
Palace, 0.5 mi. W. of, near quarter cor. between secs. 28 and 33, T. 34 N., R. 11 W., at SW. corner of Palace C.C.C. Camp, in root on S. side of 18-in. white-oak tree; copper nail and washer	1,198.74
Palace, 1 mi. W. of, in NW $\frac{1}{4}$ sec. 33, T. 34 N., R. 11 W., 50 ft. N. and 30 ft. W. from T-rd. N., in root on E. side of twin black-oak tree; copper nail and washer	1,261.74
Palace, 1.2 mi. W. of, in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 34 N., R. 11 W., 0.5 mi. S. of schoolhouse, 20 ft. S. and 40 ft. E. from rd. junction, in concrete post; standard tablet stamped "1466 E R A 1935"	1,203.897

	<u>Feet</u>
T. 34 N., R. 11 W., near center sec. 32, 200 ft. E. of wooden bridge over small stream, in root on N. side of 12-in. elm tree; copper nail and washer	1,106.14
T-rd. E., 50 ft. W. of, in root on E. side of 20-in. white-oak tree; crossed nails	1,200.09
Wooden bridge, at NE. corner of, in end of log abutment; crossed nails	1,072.81
Cookville, about 2.5 mi. SE. of, 6 ft. N. and 16 ft. E. from center of low-water concrete bridge over creek; chiseled square	987.36
Rd. corner S.-W., 20 ft. W. of, at NE. corner of wooden bridge, in end of log abutment; crossed nails	1,064.66
Cookville, about 1 mi. SE. of, in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 34 N., R. 11 W., 36 ft. N. and 40 ft. E. from T-rd. S., 4 ft. inside fence, in concrete post; aluminum tablet stamped "1465 E R A 1935"	1,196.212
Cookville, 0.5 mi. S. of, 30 ft. S. and 75 ft. E. from T-rd. E., in root on S. side of 18-in. sycamore tree; copper nail and washer	941.04
T-rd. N., 30 ft. N. and 12 ft. E. from, in root on W. side of 12-in. black-oak tree; crossed nails	1,108.47
Cookville, 1.5 mi. SW. of, in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 34 N., R. 12 W., 45 ft. N. of St. Annie School, 25 ft. E. of rd., in concrete post; standard tablet stamped "1464 E R A 1935"	1,104.31
Ford across small stream, 15 ft. S. and 30 ft. E. from, in root on N. side of 18-in. white-oak tree; crossed nails	1,028.49
Rd. forks, 35 ft. N. and 75 ft. W. from, in root on S. side of 8-in. black-oak tree; copper nail and washer	1,085.73
T-rd. N., 25 ft. S. and 10 ft. W. from, in root on N. side of 8-in. black-oak tree; crossed nails	1,241.86

6. IN NORTHEAST CORNER OF QUADRANGLE

(Continued from Edgar Springs quadrangle; see line 7.)

Spring Creek, 3 mi. SE. of, in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, T. 35 N., R. 10 W., 140 ft. S. of rd., 50 ft. N. of dwelling of Will Duncan, in concrete post; standard tablet stamped "1473 E R A 1935"	812.955
Rd. fork NE., 50 ft. E. of, in root on W. side of 36-in. walnut tree; crossed nails	783.14
Brick dwelling, about 500 ft. N. of, in root on E. side of 16-in. pine tree; crossed nails	775.12
Spring Creek, 280 ft. NW. of post office, in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 35 N., R. 10 W., 50 ft. S. of rd. junction, in root on W. side of 10-in. catalpa tree; copper nail and washer	785.38

(Continued in Waynesville quadrangle; see line 12.)

7. FROM EAST BORDER OF QUADRANGLE WEST TO BLOODLAND, THENCE NORTH TO NORTH BORDER

T. 34 N., R. 10 W., near quarter cor. between secs. 11 and 14, 90 ft. N. and 60 ft. E. from center of triangle formed by T-rd. N., in root on S. side of 12-in. black-oak tree; copper nail and washer	1,159.91
Duke, 30 ft. S. and 40 ft. W. from crossroads at cor. secs. 10, 11, 14, and 15, T. 34 N., R. 10 W., in concrete post; standard tablet stamped "3 H 1936"	1,115.25
T. 34 N., R. 10 W., cor. secs. 9, 10, 15, and 16, 35 ft. N. and 45 ft. W. from T-rd. NW., in root on S. side of 16-in. black-oak tree; copper nail and washer	1,113.43
Top of hill, 35 ft. N. of rd., in root on S. side of 8-in. white-oak tree; crossed nails	1,021.53
T. 34 N., R. 10 W., in SE $\frac{1}{4}$ sec. 8, at Ross Bridge over Piney Creek, in top of right downstream cylinder pier; standard tablet (set by water-resources branch of U.S. Geol. Survey)	827.633
T. 34 N., R. 10 W., in SE $\frac{1}{4}$ sec. 8, at Ross Bridge over Piney Creek, at downstream timber post of wooden approach to steel truss, 10 ft. to right of W. abutment, in concrete base; standard tablet (set by water-resources branch of U.S. Geol. Survey)	816.571
Ross Bridge over Piney Creek, in top of upstream corner of left abutment; bolt	824.10
Ross Bridge over Piney Creek, in upstream left end-post cornerplate of bridge truss, in downstream line; lowest rivet	829.11
Top of hill, 30 ft. N. of rd., in root on S. side of 15-in. black-oak tree; crossed nails	1,061.13
T. 34 N., R. 10 W., near center sec. 7, 80 ft. E. of junction of rd. SE., in root on S. side of 8-in. white-oak tree; copper nail and washer	1,046.86
D1M T-rd. N., 50 ft. N. and 10 ft. E. from, in root on S. side of 20-in. white-oak tree; crossed nails	1,110.47
Big Piney, 0.2 mi. SW. of post office, near quarter cor. between secs. 11 and 12, T. 34 N., R. 11 W., 90 ft. E. of church, on W. side of cemetery, in concrete post; standard tablet stamped "4 H 1936"	1,128.377
T. 34 N., R. 11 W., in sec. 10, 45 ft. N. and 130 ft. W. from rd. forks, in root on S. side of 12-in. black-oak tree; copper nail and washer	1,130.05
Concrete culvert, on W. end of SW. wing wall; chiseled square	1,029.43
T. 34 N., R. 11 W., in NW $\frac{1}{4}$ sec. 10, at T-rd. S., on S. end of W. head wall of concrete culvert; chiseled square	1,044.26
T. 34 N., R. 11 W., in NE $\frac{1}{4}$ sec. 9, 25 ft. S. and 75 ft. W. from crossroads, in root on N. side of 14-in. white-oak tree; copper nail and washer	1,120.43
T. 34 N., R. 11 W., in NW $\frac{1}{4}$ sec. 9, 190 ft. N. and 50 ft. W. from State Highway 17 at rd. E., in root on W. side of 18-in. white-oak tree; copper nail and washer	1,214.56
Bloodland, in front of post office, on bottom concrete step; chiseled square	1,122.19

	<u>Feet</u>
Bloodland, 0.6 mi. N. of, in NW $\frac{1}{4}$ sec. 4, T. 34 N., R. 11 W., 25 ft. S. and 40 ft. W. from dwelling of H. E. Vaughan, in concrete post; standard tablet stamped "5 H 1936"	1,133.507
Bloodland, about 1.2 mi. N. of, in NW $\frac{1}{4}$ sec. 4, T. 34 N., R. 11 W., 50 ft. N. and 45 ft. W. from State Highway 17 at rd. W., in root on E. side of 14-in. white-oak tree; copper nail and washer	1,113.32
Junction of rd. W., 125 ft. N. and 200 ft. W. from, in root on S. side of 16-in. elm tree; crossed nails	1,057.61
Bloodland, about 1.8 mi. N. of, near SW. cor. sec. 33, T. 35 N., R. 11 W., 100 ft. N. and 60 ft. W. from T-rd. W., in root on E. side of 18-in. elm tree; copper nail and washer	1,078.64
Bloodland, 2.4 mi. N. of, on old Waynesville rd., 0.1 mi. E. of quarter cor. between secs. 32 and 33, T. 35 N., R. 11 W., 235 ft. S. and 35 ft. E. from junction of rd. E., in root on W. side of 6-in. black-oak tree; copper nail and washer	1,095.66
Wharton, 2 mi. SE. of, on Bloodland-Waynesville rd., near N. sixteenth cor. between secs. 32 and 33, T. 35 N., R. 11 W., 75 ft. N. and 15 ft. W. from junction of rd. N., in root on W. side of 8-in. black-oak tree; copper nail and washer	1,110.92
T. 34 N., R. 11 W., in NE $\frac{1}{4}$ sec. 32, 25 ft. S. and 20 ft. W. from T-rd. S., in root on E. side of 14-in. black-oak tree; copper nail and washer	1,067.37
Rd. corner, 30 ft. S. and 30 ft. W. from, in root on N. side of 20-in. black-oak tree; crossed nails	1,005.75
Wharton, 1.8 mi. SW. of, 0.2 mi. E. of W. cor. secs. 29 and 32, T. 34 N., R. 11 W., in hollow, 40 ft. NW. of rd. junction, 40 ft. NE. of dwelling of John Crossland, in concrete post; standard tablet stamped "27 B 1925 Mo"	994.269
Reference mark, 85 ft. S. 20° W. of tablet, in root on N. side of 10-in. walnut tree; copper nail and washer	990.13

8. FROM POINT ABOUT 1 MILE SOUTH OF BLOODLAND SOUTHWEST TO POINT ABOUT 2 MILES SOUTHEAST OF COOKVILLE

T. 34 N., R. 11 W., in SE $\frac{1}{4}$ sec. 17, on NW. corner of N. head wall of concrete culvert; chiseled square	1,259.81
T. 34 N., R. 11 W., near S. sixteenth cor. between secs. 16 and 17, on SW. corner of NW. head wall of concrete culvert; chiseled square	1,253.39
T. 34 N., R. 11 W., near S. sixteenth cor. between secs. 17 and 18, 20 ft. S. and 30 ft. W. from T-rd. SE., in root on N. side of 12-in. hickory tree; copper nail and washer	1,203.06

9. NEAR SOUTHEAST CORNER OF QUADRANGLE

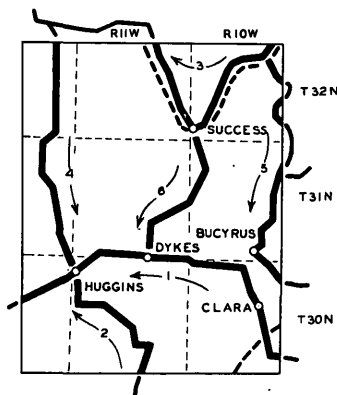
(Continued from Edgar Springs quadrangle; see line 5.)

Hazleton, about 500 ft. E. of post office, in sec. 34, T. 33 N., R. 10 W., on N. side of Piney Creek, in fence line, in root on N. side of 18-in. hackberry tree; copper nail and washer	897.60
Piney Creek at Hazleton; surface of water at 2 p.m. February 5, 1936	888.4
T-fence N., at corner post; surface of ground	925.6

(Continued in Edgar Springs quadrangle; see line 5.)

For an additional level line along State Highways 32, 17, and 17-A, refer to U.S. Coast and Geodetic Survey second-order line, Fair Play to Licking.

PLUM VALLEY QUADRANGLE
(Latitude 37°15'-37°30'; longitude 92°00'-92°15')
Texas County



1. FROM SOUTHEAST CORNER OF QUADRANGLE NORTH THROUGH CLARA TO POINT ABOUT 1 MILE SOUTHWEST OF BUCYRUS, THENCE WEST TO WEST BORDER (by E. W. Gouchenour in 1931)
(Continued from Raymondville quadrangle; see line 1.)

	<u>Feet</u>
Houston, 6 mi. S. of, along U.S. Highway 63, 0.25 mi. N. of S. cor. secs. 35 and 36, T. 30 N., R. 10 W., 35 ft. N. and 85 ft. W. from rd. fork W., in root on S. side of 10-in. white-oak tree; copper nail and washer	1,218.76
T. 30 N., R. 10 W., in center of E $\frac{1}{2}$ sec. 34, 90 ft. S. and 45 ft. E. from E. end of ford across Piney Creek, in root on E. side of 48-in. cottonwood tree; copper nail and washer	1,063.01
Clara, 3.5 mi. S. of, at S. sixteenth cor. between secs. 33 and 34, T. 30 N., R. 10 W., 18 ft. S. and 12 ft. E. from stone in center of T-rd. E., 9 ft. S. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "11 G 1931"	1,161.655
Reference mark, 30 ft. N. of tablet, 12 ft. N. and 15 ft. E. from T-rd. E., in root on S. side of twin oak tree; copper nail and washer	1,160.98
Clara, 2.2 mi. SW. of, 900 ft. N. of cor. secs. 27, 28, 33, and 34, T. 30 N., R. 10 W., 225 ft. NW. of S. end of jog in rd., 40 ft. S. of small drain crossing, on W. edge of rd., on limestone ledge; chiseled square	1,143.57
Clara, 1.2 mi. S. of, 0.4 mi. E. of cor. secs. 21, 22, 27, and 28, T. 30 N., R. 10 W., 100 ft. S. of barn, in root on E. side of 18-in. white-oak tree; copper nail and washer	1,181.64
Clara, 25 ft. S. and 95 ft. E. from SE. corner of post office and store, 40 ft. S. of Houston rd., 5 ft. W. of fence, in concrete post; standard tablet stamped "12 G 1931"	1,271.409
Reference mark, 25 ft. S. and 10 ft. W. from SE. corner of post office and store building in root on E. side of 36-in. white-oak tree; copper nail and washer	1,269.16
Clara, 1.1 mi. NW. of, near cor. secs. 9, 10, 15, and 16, T. 30 N., R. 10 W., 150 ft. NW. of dim rd. fork N., 15 ft. S. of rd., on E. bluff of Midway Creek, on limestone ledge; chiseled square	1,039.30
Clara, 1.9 mi. NW. of, S. sixteenth cor. sec. 9, T. 30 N., R. 10 W., 350 ft. N. of crossroads, 12 ft. N. and 15 ft. E. from N. end of wooden bridge across drain, in root on W. side of 24-in. black-oak tree; copper nail and washer	1,095.11
Lutheran Church, 300 ft. W. of, cor. secs. 4, 5, 8, and 9, T. 30 N., R. 10 W., 18 ft. S. and 20 ft. W. from T-rd. S., 5 ft. N. and 40 ft. W. from NW. corner of cemetery, in concrete post; standard tablet stamped "13 G 1931"	1,193.987
Reference mark, 55 ft. W. of tablet, in root on N. side of 30-in. white-oak tree; copper nail and washer	1,198.40
Lutheran Church, 0.8 mi. W. of, at E. sixteenth cor. between secs. 6 and 7, T. 30 N., R. 10 W., 435 ft. W. of T-rd. S., 15 ft. N. of rd., in fence line, in root on S. side of 18-in. post-oak tree; copper nail and washer	1,250.06
T. 30 N., R. 10 and 11 W., 35 ft. S. and 225 ft. E. from cor. secs. 1, 6, 7, and 12, 150 ft. W. of private rd. to dwelling, in root on E. side of 24-in. black-oak tree; copper nail and washer	1,294.36
Dykes, 0.5 mi. S. and 1.5 mi. E. from post office, 40 ft. S. and 200 ft. W. from quarter cor. between secs. 1 and 12, T. 30 N., R. 11 W., 45 ft. W. of rd. forks, in concrete post; standard tablet stamped "14 G 1931"	1,344.285
Reference mark, 27 ft. S. and 25 ft. E. from tablet, 25 ft. S. and 10 ft. W. from rd. forks, in root on NW. side of 24-in. post-oak tree; copper nail and washer	1,342.84

Dykes, in SW $\frac{1}{4}$ sec. 2, T. 30 N., R. 11 W., 100 ft. S. and 105 ft. W. from T-rd. S., 25 ft. S. and 13 ft. W. from SW. corner of old store building of Lee Collins, in root on N. side of 30-in. white-oak tree; copper nail and washer	Feet 1,462.95
Dykes, 0.2 mi. W. of post office, in SE $\frac{1}{4}$ sec. 3, T. 30 N., R. 11 W., 30 ft. S. and 25 ft. E. from T-rd. S., in root on N. side of 12-in. black-oak tree; copper nail and washer	1,436.23
Dykes, 1.2 mi. W. of post office, S. sixteenth cor. between secs. 3 and 4, T. 30 N., R. 11 W., 10 ft. N. and 40 ft. E. from T-rd. N., in large limestone ledge; standard tablet stamped "15 G 1931"	1,422.115
Reference mark, 75 ft. W. of tablet, on N. head wall of concrete culvert; chiseled square	1,421.83
Dykes, 2.2 mi. W. of post office, 900 ft. N. of probable cor. secs. 4, 5, 8, and 9, T. 30 N., R. 11 W., 20 ft. N. of rd., at W. end of gate, in root on E. side of 18-in. black-oak tree; copper nail and washer	1,391.22
Huggins, 1.3 mi. NE. of, along Hartville-Houston rd., in NW. cor. sec. 8, T. 30 N., R. 11 W., 0.2 mi. SW. of rd. fork NW., 15 ft. W. of entrance to dwelling of Albert Hutchinson, at gate to field, in root on E. side of 20-in. post-oak tree; copper nail and washer	1,325.97
Huggins, 0.8 mi. E. of, along Hartville-Houston rd., in NE $\frac{1}{4}$ sec. 7, T. 30 N., R. 11 W., 30 ft. N. and 20 ft. E. from dim rd. fork NE. through woods, in root on W. side of 18-in. black-oak tree; copper nail and washer	1,361.53
Huggins, quarter cor. between secs. 7 and 12, T. 30 N., Rs. 11 and 12 W., 30 ft. N. and 42 ft. E. from Hartville-Houston rd. at crossing of Mountain Grove rd., in concrete post; standard tablet stamped "16 G 1931"	1,489.014
Reference mark, 12 ft. NW. of tablet, in root on S. side of 36-in. white-oak tree; copper nail and washer	1,488.94
Huggins, 1 mi. W. of, along Hartville-Houston rd., in SW $\frac{1}{4}$ sec. 12, T. 30 N., R. 12 W., 17 ft. N. of rd. at curve, in root on S. side of 24-in. black-oak tree; copper nail and washer	1,436.63
Huggins, 2 mi. SW. of, along Hartville-Houston rd., N. sixteenth cor. sec. 14, T. 30 N., R. 12 W., 20 ft. N. and 300 ft. W. from junction of rd. W., in root on S. side of 48-in. white-oak tree; copper nail and washer	1,511.55
Huggins, 3 mi. SW. of, near center sec. 15, T. 30 N., R. 12 W., 3 ft. N. and 9 ft. E. from NW. corner of yard of W. A. Ratterbee, in concrete post; standard tablet stamped "17 G 1931"	1,517.012
Reference mark, 30 ft. N. and 40 ft. W. from tablet, in root on S. side of 24-in. red-oak tree; copper nail and washer	1,516.07

(Continued in Manes quadrangle; see line 1.)

2. FROM SOUTH BORDER OF QUADRANGLE NORTH TO HUGGINS (by B. A. Barnes in 1935)

(Continued from Cabool quadrangle; see line 3.)

Bado, about 0.3 mi. S. of, in NW $\frac{1}{4}$ sec. 35, T. 30 N., R. 11 W., 280 ft. N. of junction of rd. S., in front of dwelling of C. C. Noel, on N. wall of concrete and stone culvert; chiseled square	1,318.36
Bado, 0.1 mi. W. of, at junction of County Route M and rd. to village, on N. side of highway, on rock in concrete and stone culvert; chiseled square	1,159.10
Bado, 0.2 mi. N. of, along County Route M, in SE $\frac{1}{4}$ sec. 27, T. 30 N., R. 11 W., at narrow bridge over West Piney Creek, on S. end of NE. wing wall; chiseled square	1,116.00
T. 30 N., R. 11 W., in NE $\frac{1}{4}$ sec. 27, at top of hill, 34 ft. W. of County Route M, in root of 13-in. oak tree; copper nail and washer	1,323.01
T. 30 N., R. 11 W., about 600 ft. W. of quarter cor. between secs. 22 and 27, 1.1 mi. N. of County Route M bridge over West Piney Creek, 30 ft. E. of highway, 10 ft. N. of fence corner, in concrete post; standard tablet stamped "1194 E R A 1935"	1,333.914
T. 30 N., R. 11 W., in NW $\frac{1}{4}$ sec. 22, 270 ft. NE. of small dwelling, 47 ft. E. of County Route M, 22 ft. N. of rd. E., in root of 12-in. black-oak tree; copper nail and washer	1,345.56
T. 30 N., R. 11 W., near SE. cor. sec. 17, 240 ft. W. of junction of rd. E., 120 ft. W. of stone building, 35 ft. N. of County Route M, 22 ft. W. of rd. N., in root of 10-in. hickory tree; copper nail and washer	1,374.68
T. 30 N., R. 11 W., in SE $\frac{1}{4}$ sec. 17, on lane S. leading to field, on center of E. head wall of stone culvert; chiseled square	1,422.73
Ellis School, in SW $\frac{1}{4}$ sec. 18, T. 30 N., R. 11 W., 35 ft. N. of county Route B, 65 ft. SE. of SE. corner of schoolhouse, in concrete post; standard tablet stamped "T T 1195 E R A 1935"	1,515.089
T. 30 N., R. 11 W., near SW. cor. sec. 18, 43 ft. N. of County Route B, opposite dwelling of J. W. Tate, in root of 16-in. white-oak tree; copper nail and washer	1,522.37
T. 30 N., Rs. 11 and 12 W., at approximate quarter cor. between secs. 13 and 18, 34 ft. W. of County Route B, opposite small dwelling, S. of junction of rd. SW., in root of 14-in. hickory tree; copper nail and washer	1,431.58

3. WEST ALONG STATE HIGHWAYS 32 AND 17, IN NORTHEAST QUARTER OF QUADRANGLE

(Continued from Edgar Springs quadrangle; see line 4.)

T. 32 N., R. 10 W., in SE $\frac{1}{4}$ sec. 2, 40 ft. E. of State Highway 32, in root of 17-in. twin black-oak tree; copper nail and washer	1,065.70
T. 32 N., R. 10 W., in SE $\frac{1}{4}$ sec. 11, 39 ft. W. of State Highway 32, 300 ft. N. of dwelling at top of hill, in root of 20-in. black-oak tree; copper nail and washer	1,141.79

	Feet
T. 32 N., R. 10 W., 0.2 mi. N. of quarter cor. between secs. 14 and 15, 40 ft. S. and 65 ft. W. from State Highway 32 at rd. E., 55 ft. W. of NW. corner of store, in concrete post; standard tablet stamped "T T 1171 W 1934"	1,199.086
T. 32 N., R. 10 W., in NW $\frac{1}{4}$ sec. 15, 41 ft. N. of State Highway 32, 48 ft. E. of SE. corner of yard fence, in root of 20-in. white-oak tree; copper nail and washer	1,218.33
T. 32 N., R. 10 W., in NW $\frac{1}{4}$ sec. 16, 36 ft. N. of State Highway 32 on curve at top of hill, in root of 9-in. black-oak tree; copper nail and washer	1,280.98
Vada, in SE $\frac{1}{4}$ sec. 17, T. 32 N., R. 10 W., at store, on concrete base of gasoline pump; chiseled square	1,296.86
Vada, 0.8 mi. SW. of, along State Highway 32, S. sixteenth cor. sec. 20, T. 32 N., R. 10 W., 40 ft. S. and 100 ft. E. from highway at E.-W. cross rd., in concrete post; standard tablet stamped "T T 1172 W 1935"	1,274.899
T. 32 N., R. 10 W., in NE $\frac{1}{4}$ sec. 30, 33 ft. W. of State Highway 32, 180 ft. S. of dim E.-W. crossroad, at top of hill, in root of 20-in. white-oak tree; copper nail and washer	1,309.97
T. 32 N., R. 10 W., in SW $\frac{1}{4}$ sec. 30, 32 ft. E. of State Highway 32, 21 ft. S. of crossroad, in root of 24-in. white-oak tree; copper nail and washer	1,369.62
Success, near SE. cor. sec. 25, T. 32 N., R. 11 W., 80 ft. N. of stop sign at intersection of State Highways 32 and 17, 40 ft. W. of SW. corner of highway maintenance depot, in root of white-oak tree; copper nail and washer	1,406.69
T. 32 N., R. 11 W., in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, 0.5 mi. NW. of junction of State Highways 32 and 17, 40 ft. S. and 33 ft. E. from Highway 17 at E.-W. crossroad, 12 ft. N. of triangular-blazed 12-in. white-oak tree, in concrete post; standard tablet stamped "T T 1173 W 1935"	1,424.846
T. 32 N., R. 11 W., 0.2 mi. S. of cor. secs. 23, 24, 25, and 26, 38 ft. N. of State Highway 17, at top of hill near curve, in root of 18-in. black-oak tree; copper nail and washer	1,460.94
T. 32 N., R. 11 W., in NE $\frac{1}{4}$ sec. 23, 45 ft. W. of State Highway 17, 11 ft. W. of fence, at top of hill, about 500 ft. N. of dwelling, in root of 8-in. dead black-oak tree; copper nail and washer	1,464.87
Windy Curve Store, 1 mi. SE. of, along State Highway 17, in W $\frac{1}{2}$ sec. 14, T. 32 N., R. 11 W., 275 ft. from filling sta., 30 ft. W. of highway, 25 ft. S. of fence corner, 8 ft. N. of triangular-blazed 24-in. oak tree, in concrete post; standard tablet stamped "T T 1174 W 1935"	1,393.147
T. 32 N., R. 11 W., in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, 35 ft. S. of State Highway 17 on curve at top of grade, in root of 17-in. white-oak tree; copper nail and washer	1,428.44
T. 32 N., R. 11 W., in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 15, on W. end of S. head wall of large concrete culvert; chiseled square	1,393.19

(Continued in Big Piney quadrangle; see line 4.)

4. FROM PLATO SOUTH TO HUGGINS

Plato, 0.5 mi. S. of, in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 32 N., R. 12 W., 60 ft. S. of rd. corner, 115 ft. W. of rd. S., 43 ft. S. of Spring branch, in root of 32-in. elm tree; copper nail and washer	1,053.58
Plato, 1.2 mi. S. of, in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, T. 32 N., R. 12 W., 50 ft. NE. of ford, in root of 17-in. elm tree; copper nail and washer	1,093.30
Plato, 1.5 mi. S. of, in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, T. 32 N., R. 12 W., 40 ft. S. and 35 ft. E. from junction of rd. E., 75 ft. NW. of NW. corner of porch of S. S. Smith, in concrete post; standard tablet stamped "T T 1177 W 1934"	1,204.882
Plato, 2.4 mi. S. of, near quarter cor. between secs. 14 and 23, T. 32 N., R. 12 W., 25 ft. S. of ford across Roubidoux Creek, 15 ft. W. of rd., in root of white-oak tree; copper nail and washer	1,064.02
Plato, 3.2 mi. S. of, in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23, T. 32 N., R. 12 W., 70 ft. W. of T-rd. E., on front step of Mill Creek School; chiseled square	1,178.86
Plato, 3.7 mi. S. of, along Mountain Grove-Plato rd., in N $\frac{1}{2}$ sec. 26, T. 32 N., R. 12 W., 30 ft. E. of rd., 14 ft. N. of Spring Branch, on limestone ledge; chiseled square	1,183.74
Plato, 4 mi. S. of, along Mountain Grove-Plato rd., in sec. 26, T. 32 N., R. 12 W., at top of hill, 15 ft. W. of rd., in root of 17-in. white-oak tree; copper nail and washer	1,313.38
Plato, 4.5 mi. S. of, along Mountain Grove-Plato rd., in S $\frac{1}{2}$ sec. 26, T. 32 N., R. 12 W., 12 ft. S. of junction of rd. N., in root of 18-in. white-oak tree; copper nail and washer	1,313.74
Plato, 5 mi. S. of, along Mountain Grove-Plato rd., in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, T. 32 N., R. 12 W., 27 ft. E. of rd., 40 ft. NW. of NW. corner of dwelling of Earnest Miller, in concrete post; standard tablet stamped "T T 1178 W 1935"	1,384.518
T. 31 N., R. 12 W., in NE $\frac{1}{4}$ sec. 3, in front yard of Earl Miller, at mail box, in 14-in. white-oak tree; copper nail and washer	1,388.52
T. 31 N., R. 12 W., near quarter cor. between secs. 3 and 10, 37 ft. N. and 2 ft. W. from N. gatepost to yard of W. V. McGuire, 21 ft. E. of rd., in root of white-oak tree; copper nail and washer	1,493.76
Baptist Church No. 1, about 3 mi. NW. of, along Mountain Grove-Plato rd., in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, T. 31 N., R. 12 W., 45 ft. N. of NW. corner of log dwelling, in concrete post; standard tablet stamped "T T 1179 W 1935"	1,417.129
Baptist Church No. 1, 2.7 mi. NW. of, in NW $\frac{1}{4}$ sec. 15, T. 31 N., R. 12 W., 18 ft. W. of rd., in root of 16-in. black-oak tree; copper nail and washer	1,438.00
Baptist Church No. 1, 1.8 mi. NW. of, in SE $\frac{1}{4}$ sec. 15, T. 31 N., R. 12 W., 13 ft. W. of rd., 30 ft. E. of NE. corner of dwelling of T. C. Butts, in root of 18-in. black-oak tree; copper nail and washer	1,433.91

Baptist Church No. 1, at W. sixteenth cor. between secs. 14 and 23, T. 31 N., R. 12 W., 17 ft. N. and 17 ft. E. from rd. corner at junction of lane W., in root of 14-in. black-oak tree; copper nail and washer	<u>Feet</u> 1,435.04
Baptist Church No. 1, about 0.2 mi. E. of quarter cor. between secs. 23 and 26, T. 31 N., R. 12 W., 30 ft. S. and 40 ft. W. from T-rd. W., 120 ft. SW. of SW. corner of church, in concrete post; standard tablet stamped "T T 1180 W 1935"	1,420.821
T. 31 N., R. 12 W., in NE $\frac{1}{4}$ sec. 26, 48 ft. N. of T-rd. E., 23 ft. E. of rd., in root of 8-in. hickory tree; copper nail and washer	1,403.14
T. 31 N., R. 12 W., in NW $\frac{1}{4}$ sec. 36, 11 ft. E. of rd., 36 ft. NW. of NW. corner of dwelling of G. C. Leighty, in root of 16-in. oak tree; copper nail and washer	1,337.19
T. 31 N., R. 12 W., in NW $\frac{1}{4}$ sec. 36, 12 ft. E. of rd., at top of hill S. of small creek, in root of 18-in. white-oak tree; copper nail and washer	1,395.26
T. 31 N., R. 12 W., in SE $\frac{1}{4}$ sec. 36, 12 ft. W. of rd. forks, in root of 18-in. black-oak tree; copper nail and washer	1,418.78
T. 30 N., Rs. 11 and 12 W., near N. sixteenth cor. between secs. 7 and 12, at Cedar Valley Church, on N. end of lower concrete step; chiseled square	1,461.21
Huggins, 10 ft. E. of center of store door, under window; chiseled square	1,491.52

5. FROM NORTHEAST CORNER OF QUADRANGLE SOUTH ALONG EAST BORDER

T. 32 N., R. 10 W., in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, 71 ft. S. and 11 ft. W. from T-rd. S., in root of 15-in. black-oak tree; copper nail and washer	1,195.82
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(For balance in Raymondville quadrangle, see line 4.)

Ellsworth School, 0.5 mi. S. of, about 600 ft. E. of quarter cor. between secs. 23 and 26, T. 32 N., R. 10 W., 17 ft. N. and 28 ft. E. from T-rd. N., in concrete post; standard tablet stamped "T T 1182 W 1935"	1,136.685
Reference mark, 45 ft. W. of tablet, in root of 14-in. black-oak tree; copper nail and washer	1,137.10

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

T. 31 N., R. 10 W., in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, 23 ft. S. of creek, on W. side of trail, in root of 24-in. white-oak tree; copper nail and washer	1,047.14
T. 31 N., R. 10 W., in SW $\frac{1}{4}$ sec. 14, in woods at top of hill, opposite field, on N. side of rd., in root of 12-in. white-oak tree; copper nail and washer	1,196.54
Pine Ridge School, 0.4 mi. W. of, in NE $\frac{1}{4}$ sec. 22, T. 31 N., R. 10 W., 7 ft. S. and 33 ft. W. from crossroads, in root of 16-in. hickory tree; copper nail and washer	1,206.14
Pine Ridge School, 0.8 mi. S. and 0.5 mi. W. from, on old Houston-Venable rd., in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23, T. 31 N., R. 10 W., 68 ft. NE. of rd. forks, 8 ft. NE. of triangular-blazed 16-in. white-oak tree, in concrete post; standard tablet stamped "T T 1185 E R A 1935"	1,232.715
T. 31 N., R. 10 W., near center sec. 26, at top of hill, 184 ft. SW. of foundation of burned house, 36 ft. S. of rd., 23 ft. W. of log cornerib, 27 ft. E. of barn, in root of 15-in. hickory tree; copper nail and washer	1,306.35
T. 31 N., R. 10 W., in SW $\frac{1}{4}$ sec. 26, about 0.1 mi. NE. of old State Highway 17 at rd. junction, 15 ft. W. of rd., in root of 15-in. hickory tree; copper nail and washer	1,354.99
Bucyrus, about 1 mi. NW. of, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 31 N., R. 10 W., 65 ft. E. of rd., 35 ft. S. of NE. corner of Emery Methodist Church, in concrete post; standard tablet stamped "T T 1186 E R A 1935"	1,196.441
Bucyrus, about 0.5 mi. N. of, in NW $\frac{1}{4}$ sec. 35, T. 31 N., R. 10 W., 89 ft. S. of rd., in root of twin elm tree; copper nail and washer	1,061.92
Bucyrus, opposite post office, 82 ft. N. of State Highway 17, 26 ft. W. of rd., on middle step of concrete well block; chiseled square	1,225.92
Houston, about 3.5 mi. W. of, in NW $\frac{1}{4}$ sec. 2, T. 30 N., R. 10 W., 0.6 mi. N. of State Highway 17 bridge across Piney Creek, 39 ft. N. of dwelling, 72 ft. W. of rd. at top of hill, in yard of H. A. Speight, in root of 16-in. white-oak tree; copper nail and washer	1,187.39
Houston, about 3 mi. W. of, in NE $\frac{1}{4}$ sec. 11, T. 30 N., R. 10 W., along State Highway 17, on center of SW. concrete abutment of steel bridge across Piney Creek; chiseled square	1,022.10
Houston, 2.5 mi. W. of, along State Highway 17, near center sec. 11, T. 30 N., R. 10 W., 38 ft. S. and 330 ft. W. from junction of highway and County Route Z, in concrete post; standard tablet stamped "T T 1187 E R A 1935"	1,059.931

(Continued in Raymondville quadrangle; see line 4.)

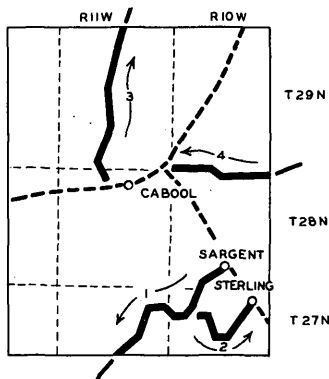
6. FROM SUCCESS SOUTH TO DYKES (by F. Y. Brown in 1936)

U.S.C. & G.S. standard disk stamped "N 113 1935"	1,403.596
Success, 1 mi. S. of, along State Highway 17, near W. sixteenth cor. between secs. 6 and 31, Tps. 31 and 32 N., R. 10 W., 70 ft. E. of high- way, 45 ft. N. of NW. corner of U.S. Forest Service lookout tower, in root on W. side of 14-in. white-walnut tree; copper nail and washer	1,447.15
Junction of rd. W., 54 ft. S. and 54 ft. W. from, in root on W. side of 12-in. black-oak tree; crossed nails	1,422.96
Junction of rd. SW., 65 ft. W. of, in root on N. side of 8-in. black-oak tree; crossed nails	1,451.35
Success, 2.1 mi. S. of, along State Highway 17, 45 ft. S. of junction of rd. S., in root on N. side of 14-in. black-oak tree; copper nail and washer	1,441.58

	<u>Feet</u>
Success, 3 mi. S. of, along State Highway 17, at Mitchell's store, 395 ft. S. and 2 ft. W. from center of NE $\frac{1}{4}$ sec. 7, T. 31 N., R. 10 W., 25 ft. S. and 50 ft. W. from highway at rd. N., in concrete post; standard tablet stamped "T T 27 J J 1936"	1,432.290
Sillyman's store, 0.4 mi. N. of, along State Highway 17, 35 ft. E. of rd., 55 ft. N. of corner of rail fence, in root on W. side of 10-in. twin black-oak tree; copper nail and washer	1,414.58
Sillyman's store, near center sec. 18, T. 31 N., R. 10 W., 45 ft. W. of State Highway 17, 27 ft. S. and 95 ft. W. from SW. corner of store, in root on W. side of 16-in. black-oak tree; copper nail and washer	1,424.47
Junction of trail NE, 75 ft. S. and 45 ft. W. from, in root on N. side of 20-in. post-oak tree; crossed nails	1,415.61
Junction of trails NW. and E., 75 ft. S. of, in root on N. side of 12-in. black-oak tree; crossed nails	1,414.64
Junction of rd. E., 60 ft. S. and 30 ft. W. from, in root on W. side of 16-in. black-oak tree; crossed nails	1,446.79
Success, 5.5 mi. S. of, along State Highway 17, in sec. 19, T. 31 N., R. 10 W., 15 ft. S. and 35 ft. W. from junction of rd. W., in fence line of yard of P. H. Allen, in root on E. side of 10-in. white-oak tree; copper nail and washer	1,460.96
Fence corner, 15 ft. E. of, 15 ft. S. of highway, in root on N. side of 24-in. dead black-oak tree; crossed nails	1,402.48
Success, 4.5 mi. S. of, along State Highway 17, thence 1 mi. W., about 300 ft. N. and 30 ft. E. from approximate W. quarter cor. sec. 19, T. 31 N., R. 10 W., 300 ft. N. of T-rd. E., 28 ft. N. and 28 ft. E. from rd. corner S.-W., 2 ft. S. and 4 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 28 J J 1936"	1,341.311
T. 31 N., R. 11 W., near center of NE $\frac{1}{4}$ sec. 24, 60 ft. N. and 12 ft. E. from rd. corner N. to E., 60 ft. N. and 20 ft. E. from gate to farm of Joe Stite, in root on W. side of 22-in. walnut tree; copper nail and washer	1,238.33
Top of hill, 25 ft. W. of farm gate, in root on N. side of 30-in. white-oak tree; crossed nails	1,348.51
T. 31 N., R. 11 W., near N. sixteenth cor. between secs. 23 and 24, 20 ft. E. of junction of trail N., in root on W. side of 16-in. black-oak tree; copper nail and washer	1,397.94
Cross trail, 45 ft. S. of, 10 ft. W. of rd., 40 ft. E. of rail fence N.-S., in root on E. side of 12-in. hickory tree; crossed nails	1,417.91
Dwelling of Elmer F. Campbell, 12 ft. S. and 60 ft. W. from NW. corner of, in root on S. side of 8-in. hickory tree; crossed nails	1,433.53
Dykes, about 3.5 mi. N. of old site of post office, 120 ft. W. of witness tree at cor. secs. 22, 23, 26, and 27, T. 31 N., R. 11 W., 12 ft. N. and 45 ft. W. from rd. forks, 12 ft. S. of rail fence E.-W., in root on S. side of 14-in. white-oak tree; copper nail and washer	1,460.46
Dykes, 3.1 mi. N. of old site of post office, along Dykes-Roubidoux rd., in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, T. 31 N., R. 11 W., 25 ft. S. and 7 ft. E. from rd. at rd. E. to Coffey School, 4 ft. S. of triangular-blazed 24-in. post-oak tree, in concrete post; standard tablet stamped "T T 29 J J 1936"	1,471.146
Rd. forks, 15 ft. S. and 8 ft. W. from, in root on E. side of 12-in. hickory tree; crossed nails	1,460.58
Dykes, about 2 mi. N. of, 18 ft. S. and 12 ft. E. from cor. secs. 26, 27, 34, and 35, T. 31 N., R. 11 W., at T-rd. S., 3 ft. E. of NE. corner of farmyard of C. M. Campbell, in root on W. side of 24-in. white-oak tree; copper nail and washer	1,454.58
Wooden culvert, 250 ft. S. of, 300 ft. N. of E.-W. fence, 40 ft. E. of rd., 30 ft. E. of rail-fence line, in root on W. side of 16-in. black-oak tree; crossed nails	1,441.92
Tps. 30 and 31 N., R. 11 W., cor. secs. 2, 3, 34, and 35, 18 ft. N. and 10 ft. E. from T-rd. W., 50 ft. S. and 50 ft. W. from SW. corner of dwelling of P. C. Stallcup, in root on E. side of 36-in. black-oak tree; copper nail and washer	1,478.68
T. 30 N., R. 11 W., 0.4 mi. N. of cor. secs. 2, 3, 10, and 11, 40 ft. S. and 90 ft. W. from junction of County Route E and rd., in root on N. side of 24-in. white-oak tree; copper nail and washer	1,451.52
Junction of rd. S., in root on W. side of 8-in. post-oak tree; crossed nails	1,434.40
Junction of rd. SW., 150 ft. S. of, in fence line, in root on S. side of 14-in. black-oak tree; crossed nails	1,443.00

For additional level lines along U.S. Highway 63 and State Highways 32 and 17, refer to U.S. Coast and Geodetic Survey first-order line, Cabool to Osage City, and second-order line, Fair Play to Licking.

CABOOL QUADRANGLE
(Latitude 37°00'-37°15'; longitude 92°00'-92°15')
Douglas, Howell, Texas, and Wright Counties



1. FROM POINT ABOUT 1 MILE SOUTH OF SARGENT SOUTHWEST TO SOUTH BORDER OF QUADRANGLE (by C. E. Reick in 1932)

	<u>Feet</u>
Sargent, 1 mi. SE. of, along St. Louis-San Francisco Ry., at S. end of bridge at Madison crossing, 10 ft. E. of track, in top of post; spike	1,368.63
Sterling, 3 mi. NW. of, along U.S. Highway 63, about 2.8 mi. SW. of Sargent, about 680 ft. SW. of point where highway crosses dividing ridge, 10 ft. S. and 50 ft. E. from highway at rd. SE., 2 ft. E. of fence, in concrete post; standard tablet stamped "T T 69 B 1932"	1,500.014
Reference mark, 120 ft. NW. of tablet, on W. end of tile drain; chiseled square	1,502.34
Sargent, 4.2 mi. SW. of, 12 ft. E. of ridge rd., in root of 14-in. oak tree; copper nail	1,457.81
Sargent, 5.2 mi. SW. of, 10 ft. N. of rd., in root of 20-in. oak tree; copper nail	1,356.28
Sargent, 6 mi. SW. of, on E. bank of creek, at old sawmill site, in root of 30-in. oak tree; copper nail	1,225.78
Sterling, 5.3 mi. SW. of, along Cabool rd., 60 ft. NW. of rd. fork N., in root of 20-in. elm tree; copper nail	1,203.66
Sterling, 6.4 mi. SW. of, 140 ft. SE. of Jewett dwelling, 15 ft. N. of rd., in root of 24-in. oak tree; copper nail	1,213.63
Sterling, about 6.8 mi. SW. of, 1 mi. S. of corner of Douglas, Howell, and Texas counties, 25 ft. S. and 20 ft. W. from approximate cor. secs. 1, 6, 7, and 12, T. 27 N., Rs. 10 and 11 W., 25 ft. S. and 30 ft. W. from T-rd. W., 4 ft. SW. of fence corner, on property of F. W. Neff, in concrete post; standard tablet stamped "T T 71 B 1932"	1,215.914
Reference mark, 260 ft. W. of tablet, in root of 30-in. oak tree; copper nail	1,217.59
T. 27 N., R. 11 W., in SW $\frac{1}{4}$ sec. 1, 15 ft. N. of rd. at schoolhouse, in root of 12-in. hickory tree; copper nail	1,250.69
T. 27 N., R. 11 W., in sec. 11, 40 ft. SW. of rd. fork S., in root of 15-in. hickory tree; copper nail	1,223.91
New Orleans School, 2.6 mi. NE. of, in SW $\frac{1}{4}$ sec. 14, T. 27 N., R. 11 W., 22 ft. E. of rd., 210 ft. S. 24° W. of dwelling of E. W. Freeman, 2 ft. W. of fence, in concrete post; standard tablet stamped "T T 72 B 1932"	1,239.104
Reference mark, 200 ft. N. of tablet, in root of 18-in. oak tree; copper nail	1,234.47
T. 27 N., R. 11 W., in sec. 22, on NW. side of rd., in root of 30-in. oak tree; copper nail	1,226.64

(Continued in Topaz quadrangle; see line 1.)

2. FROM POINT ABOUT 5.3 MILES SOUTHWEST OF SARGENT EAST TO STERLING

Sterling, 3.7 mi. SW. of, along mail route to Cabool, about 0.6 mi. W. of ford across Indian Creek, 60 ft. S. and 10 ft. E. from rd. junction, 33 ft. SW. of rd., 5 ft. inside fence, 2 ft. S. of N. edge of large limestone ledge; standard tablet stamped "T T 70 B 1932"	1,258.149
Reference mark, 410 ft. E. of tablet, in root of 12-in. oak tree; copper nail	1,275.19
Sterling, 3.5 mi. SW. of, along mail route to Cabool, 15 ft. S. of rd., in root of 12-in. oak tree; copper nail	1,245.57
Sterling, 2.4 mi. SW. of, 250 ft. N. of old dwelling, 10 ft. S. of rd., in root of 30-in. oak tree; copper nail	1,350.67
Sterling, 0.8 mi. SW. of, on N. side of rd., in root of 12-in. oak tree; copper nail	1,518.22

3. FROM POINT ABOUT 2 MILES WEST OF CABOOL NORTH TO NORTH BORDER OF QUADRANGLE (by B. A. Barnes in 1935)

	<u>Feet</u>
U.S.C. & G.S. standard disk stamped "Q 7 1928"	1,341.940
Cabool, 2 mi. W. of, along U.S. Highway 60, 215 ft. N. and 40 ft. W. from junction of County Route M, 20 ft. N. of farm entrance, along W. fence, in concrete post; standard tablet stamped "T T 1190 E R A 1935"	1,327.821
T. 29 N., R. 11 W., in SW $\frac{1}{4}$ sec. 34, on County Route M, 0.8 mi. N. of U.S. Highway 60, at top of hill, 34 ft. W. of highway, 19 ft. S. of junction of dim rd. W., in root of 8-in. oak tree; copper nail and washer	1,510.49
T. 29 N., R. 11 W., in NE $\frac{1}{4}$ sec. 33, on County Route M, at Mountain View School, on SE. corner of small concrete porch; chiseled square	1,531.82
T. 29 N., R. 11 W., in NE $\frac{1}{4}$ sec. 28, on County Route M, at bottom of hill, 30 ft. W. of highway, 140 ft. N. of rd. W., in root of 10-in. white-oak tree; copper nail and washer	1,500.34
Cabool, 2 mi. W., thence 3.5 mi. N. from, along U.S. Highway 60 and County Route M, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 29 N., R. 11 W., 30 ft. W. of highway, 20 ft. N. of farm entrance W., in concrete post; standard tablet stamped "T T 1191 E R A 1935"	1,498.697
T. 29 N., R. 11 W., near SW. cor. sec. 22, on County Route M, at Hamilton Creek, on NW. corner of concrete bridge; chiseled square	1,329.44
T. 29 N., R. 11 W., in NE $\frac{1}{4}$ sec. 21, on County Route M, 44 ft. W. of highway, 6 ft. N. of rd. W., in root of 18-in. black-oak tree; copper nail and washer	1,481.56
T. 29 N., R. 11 W., in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 16, on County Route M, 120 ft. N. of old orchard, 34 ft. E. of highway, in root of 18-in. black-oak tree; copper nail and washer	1,442.42
Cabool, 2 mi. W., thence 6.2 mi. N. from, along U.S. Highway 60 and County Route M, in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, T. 29 N., R. 11 W., 30 ft. W. of highway, 20 ft. S. of fence corner, in concrete post; standard tablet stamped "T T 1192 E R A 1935"	1,441.079
T. 29 N., R. 11 W., about 0.2 mi. N. of S. line sec. 3, on County Route M, at bottom of gentle slope, 35 ft. E. of highway, in root of white-oak tree; copper nail and washer	1,388.94
T. 29 N., R. 11 W., in sec. 3, on County Route M, 70 ft. W. of highway, at store of J. D. Noel, on NE. corner of concrete porch; chiseled square	1,396.58
Noel's store, 0.8 mi. N. of, along County Route M, in NW $\frac{1}{4}$ sec. 3, T. 29 N., R. 11 W., 150 ft. S. and 27 ft. W. from highway at E.-W. crossroad in concrete post; standard tablet stamped "T T 1193 E R A 1935"	1,358.837

(Continued in Plum Valley quadrangle; see line 2.)

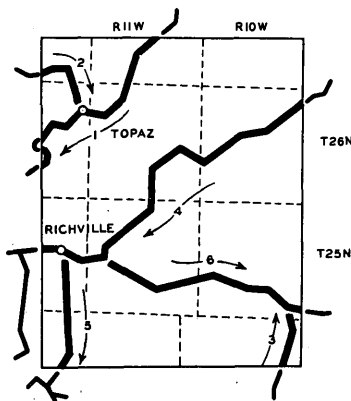
4. FROM CENTER OF EAST BORDER OF QUADRANGLE WEST TO UNITED STATES HIGHWAY 63 (by S. T. Tidor in 1936)

(Continued from Clear Springs quadrangle; see line 3.)

Crossroads, 10 ft. N. of, in W. side of post supporting mail box; nail	1,352.25
T. 28 N., R. 10 W., 15 ft. N. of stone at W. sixteenth cor. sec. 3, 12 ft. N. of old Cabool-Clear Springs rd., 12 ft. E. of lane to farm of Charles McCarter, 3 ft. S. of fence corner, in concrete post; standard tablet stamped "T T 1808 E R A 1935"	1,349.100
Top of hill, 18 ft. S. of rd., in root on N. side of 12-in. hickory tree; nail	1,519.42
T. 28 N., R. 10 W., in sec. 4, 18 ft. S. and 15 ft. W. from farm entrance S., in root on N. side of 18-in. oak tree; copper nail and washer	1,426.07
Culvert, 8 ft. N. of rd., on N. head wall; chiseled square	1,337.59
T. 28 N., R. 10 W., near quarter cor. between secs. 4 and 5, 15 ft. N. and 18 ft. W. from T-rd. N., on top of boulder; chiseled square	1,341.40
Rd. fork SW., 8 ft. N. and 20 ft. E. from, on top of head wall of concrete culvert; chiseled square	1,274.83
U.S.C. & G.S. standard disk stamped "L 33 1934"	1,202.776

For additional level lines along U.S. Highway 63 and St. Louis-San Francisco Ry., refer to U.S. Coast and Geodetic Survey first-order lines, Cabool to Osage City and Monett, Mo. to Memphis.

TOPAZ QUADRANGLE
(Latitude $36^{\circ}45' - 37^{\circ}00'$; longitude $92^{\circ}00' - 92^{\circ}15'$)
Douglas, Howell, and Ozark Counties



1. SOUTHWEST THROUGH NORTHWEST QUARTER OF QUADRANGLE (by C. E. Reick in 1932)

(Continued from Cabool quadrangle; see line 1.)

	<u>Feet</u>
T. 27 N., R. 11 W., in sec. 27, 30 ft. NW. of rd. fork SE., in root of 24-in. oak tree; copper nail	1,192.30
New Orleans School, 0.4 mi. SW. of, near center of SE $\frac{1}{4}$ sec. 28, T. 27 N., R. 11 W., 20 ft. N. and 25 ft. E. from Cabool-Topaz rd. at crossing of Ava-Willow Springs rd., 3 ft. NE. of fence corner, in concrete post; standard tablet stamped "T T 73 B 1932"	1,180.492
Reference mark, 100 ft. W. of tablet, in root of 12-in. oak tree; copper nail	1,179.99
T. 27 N., R. 11 W., in sec. 33, near rd. fork E., on E. side of rd., in root of 12-in. oak tree; copper nail	1,086.66
T. 26 N., R. 11 W., in sec. 5, 70 ft. SE. of T-rd. E., in root of 15-in. pine tree; copper nail	1,072.11
T. 26 N., R. 11 W., in sec. 8, 60 ft. N. of rd. fork E., on SE. side of rd., in root of 15-in. hickory tree; copper nail	1,038.96
Mount Ararat School, near center of SW $\frac{1}{4}$ sec. 8, T. 26 N., R. 11 W., 50 ft. S. of rd., 150 ft. N. of NW. corner of schoolhouse, in line with W. side, 34 ft. E. of NW. corner of schoolyard, in concrete post; standard tablet stamped "T T 74 B 1932"	1,063.777
Reference mark, 70 ft. E. of tablet, in root of 20-in. oak tree; copper nail	1,061.09
Topaz, 1 mi. E. of, in sec. 7, T. 26 N., R. 11 W., 40 ft. NE. of T-rd. E., in root of 20-in. oak tree; copper nail and washer	1,056.29
Topaz, 10 ft. N. of door to post office and general store; standard tablet stamped "T T 75 B 1932"	877.152
Reference mark, 70 ft. E. of tablet, on boulder; chiseled square	877.15
Topaz, 0.7 mi. W. of, 60 ft. SE. of rd. fork E., in root of 12-in. oak tree; copper nail	1,021.70
Topaz, about 1.8 mi. SW. of, in NE $\frac{1}{4}$ sec. 14, T. 26 N., R. 12 W., 40 ft. SW. of rd. forks, in root of 20-in. hickory tree; copper nail	1,015.48
Topaz, 2.8 mi. SW. of, near S. sixteenth cor. between secs. 13 and 14, T. 26 N., R. 12 W., 150 ft. S. 30° W. of ford across Clifty Creek, 20 ft. N. of rd. W., 10 ft. W. of line of rd. SW., 25 ft. W. of W. end of blacksmith shop, in concrete post; standard tablet stamped "T T 76 B 1932" (Reset 6 ft. S. of above described location by T. G. Drummond June 4, 1936. Given elevation is for new location.)	848.709
Reference mark, 450 ft. W. of tablet, in root of 30-in. oak tree; copper nail	847.00
T. 26 N., R. 12 W., in SW $\frac{1}{4}$ sec. 14, in root of triangular-blazed oak tree; copper nail	902.97

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

T. 26 N., R. 12 W., in NW $\frac{1}{4}$ sec. 22, E. of hill known as Twin Knob, 60 ft. E. of rd., in root of 15-in. oak tree; copper nail	1,092.94
T. 26 N., R. 12 W., in S $\frac{1}{2}$ sec. 22, 60 ft. NE. of T-rd. N., in root of 20-in. oak tree; copper nail	1,135.78

(Continued in Fielden quadrangle; see line 1.)

2. IN NORTHWEST CORNER OF QUADRANGLE (by B. A. Barnes in 1935)
(Continued from Fielden quadrangle; see line 3.)

	<u>Feet</u>
Topaz, about 4.4 mi. NW. of, along Topaz-Vanzant rd., in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, T. 26 N., R. 12 W., in valley, 23 ft. N. of rd., 25 ft. E. of lane to dwelling, in root of twin walnut tree; copper nail and washer	944.16
Topaz, about 3.3 mi. NW. of, along Topaz-Vanzant rd., in NW $\frac{1}{4}$ sec. 2, T. 26 N., R. 12 W., in valley, 100 ft. S. of junction of rd. N., 15 ft. W. of rd., in root of 20-in. white-oak tree; copper nail and washer	1,023.61
Topaz, 2.7 mi. NW. of, along Topaz-Vanzant rd., near N. sixteenth cor. between secs. 1 and 2, T. 26 N., R. 12 W., 24 ft. S. of rd. W., 21 ft. W. of rd., 15 ft. SE. of triangular-blazed 24-in. hickory tree, in concrete post; standard tablet stamped "T T 1 C 1934"	1,154.248
Topaz, 0.3 mi. W. of, along Topaz-Vanzant rd., in SW $\frac{1}{4}$ sec. 12, T. 26 N., R. 12 W., on top of hill, 17 ft. S. of rd. at curve, in root of 10-in. black-oak tree; copper nail and washer	1,021.70

3. IN SOUTHEAST CORNER OF QUADRANGLE (by J. G. Bardsley in 1935)
(Continued from Cureall quadrangle; see line 6.)

Hopkins School, in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 24 N., R. 10 W., 3 mi. S. of State Highway 14, 10 ft. S. and 24 ft. E. from rd. corner S.-NW., 146 ft. S. 31° 50' E. of SE. corner of schoolhouse, 4 ft. inside fence, in concrete post; standard tablet stamped "1439 E R A 1935"	1,027.655
Hopkins School, 0.5 mi. N. of, 15 ft. W. of rd. near curve, at 6-in. oak tree; surface of ground	1,117.1
Grimmet, 200 ft. S. of post office, in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T. 24 N., R. 10 W., 40 ft. SW. of crossroads, E. of gate, in root on N. side of 18-in. oak tree; copper nail and washer	1,092.80
Grimmet, 0.5 mi. N. of, on rd. N. to State Highway 14, 75 ft. SE. of dwelling, 10 ft. E. of rd., at 18-in. oak tree; surface of ground	1,103.0
State Highway 14, 1 mi. S. of, 5 ft. E. of rd., at 12-in. oak tree; surface of ground	1,081.2

4. FROM EAST BORDER OF QUADRANGLE, NEAR NORTHEAST CORNER, SOUTHWEST TO WEST BORDER (by E. J. Noonan in 1936)
(Continued from Willow Springs quadrangle; see line 4.)

Willow Springs, 3.5 mi. SW. of, along forestry rd., in Gardner National Forest, 49 ft. N. and 7 ft. E. from junction of rd. W., 32 ft. S. and 70 ft. E. from SE. corner of Noblett School, in concrete post; standard tablet stamped "T T 1481 E R A 1935"	1,276.863
Willow Springs, about 4 mi. SW. of, along forestry rd., near cor. secs. 1, 2, 11, and 12, T. 26 N., R. 10 W., 90 ft. N. and 178 ft. W. from junction of rd. SW., in root on SW. side of 22-in. black-oak tree; copper nail and washer	1,232.85
Junction of trail NW, 10 ft. N. and 50 ft. E. from, in root on SE. side of 24-in. red-oak tree; crossed nails	1,255.91
Willow Springs, about 5 mi. SW. of, along forestry rd., in SW $\frac{1}{4}$ sec. 11, T. 26 N., R. 10 W., 40 ft. S. of crossroads, in root on W. side of 18-in. oak tree; copper nail and washer	1,276.33
Junction of rd. S., 70 ft. S. and 50 ft. W. from, in root on W. side of 10-in. black-oak tree; crossed nails	1,268.34
Willow Springs, 6 mi. SW. of, along forestry rd., in Gardner National Forest, 172 ft. S. and 58 ft. E. from quarter cor. between secs. 10 and 15, T. 26 N., R. 10 W., (Forest Service poster) 15 ft. S. of rd., in concrete post; standard tablet stamped "T T 1480 E R A 1935"	1,255.347
Reference mark, 130 ft. S. 10° W. of tablet, in root on NW. side of 18-in. black-oak tree; copper nail and washer	1,247.97
Junction of trail NW, 275 ft. W. of, 20 ft. S. of rd. at curve, in root on S. side of 10-in. oak tree; crossed nails	1,266.11
Willow Springs, about 7.2 mi. SW. of, along forestry rd., in NW $\frac{1}{4}$ sec. 16, T. 26 N., R. 10 W., 35 ft. S. and 35 ft. E. from junction of rd. SE., in root on W. side of 16-in. oak tree; copper nail and washer	1,198.15
Junction of rd. N., at entrance to C.C.C. Camp, 55 ft. N. and 25 ft. W. from, in root on N. side of 20-in. oak tree; crossed nails	1,204.99
Gate at entrance to farm of Jess Green, 35 ft. S. and 120 ft. E. from, in root on S. side of 12-in. red-oak tree; crossed nails	1,186.07
Willow Springs, about 8 mi. SW. of, along forestry rd., in SE $\frac{1}{4}$ sec. 17, T. 26 N., R. 10 W., 30 ft. N. and 6 ft. W. from junction of trail SE, 5 ft. W. of U.S. Forest Service marker 62, in root on NW. side of 20-in. black-oak tree; copper nail and washer	1,166.07
Junction of trail NW, 50 ft. N. of, in root on S. side of 14-in. black-oak tree; crossed nails	1,124.93
Willow Springs, about 8.9 mi. SW. of, along forestry rd., in NE $\frac{1}{4}$ sec. 19, T. 26 N., R. 10 W., 75 ft. N. and 110 ft. E. from junction of trail N., in root on E. side of 18-in. black-oak tree; copper nail and washer	1,116.41
Willow Springs, 9.4 mi. SW. of, along forestry rd., in SE $\frac{1}{4}$ sec. 19, T. 26 N., R. 10 W., 34 ft. S. of rd. at curve, in concrete post; standard tablet stamped "T T 1479 E R A 1935" (Above described monument has been partially destroyed and tablet removed as reported by E. J. Noonan February 23, 1936. Given elevation is for SW. corner of post.)	1,129.407
Reference mark 1, 167 ft. N. 4° E. of post, in root on W. side of triangular-blazed 24-in. white-oak tree; copper nail and washer	1,129.15
Reference mark 2, 64 ft. S. 10° E. of post, in root on S. side of triangular-blazed 18-in. black-oak tree; copper nail and washer	1,129.83
Crossroads, 65 ft. N. and 25 ft. E. from, in root on E. side of 6-in. black-oak tree; crossed nails	1,117.49
T. 26 N., R. 10 W., 45 ft. S. and 175 ft. E. from U.S. Forest Service post, at approximate SW. cor. sec. 19, 45 ft. S. of rd. at curve, in root on N. side of 10-in. red-oak tree; copper nail and washer	1,022.14

Ford across small creek, 18 ft. S. and 30 ft. E. from, in root on N. side of 24-in. black-oak tree; crossed nails	Feet 867.56
Spring under bluff, 35 ft. E. of, 45 ft. W. of rd. at curve, in root on S. side of 18-in. elm tree; crossed nails	871.30
T. 26 N., R. 11 W., in SW $\frac{1}{4}$ sec. 24, 55 ft. N. and 25 ft. W. from ford across small creek, in root on E. side of 18-in. white-oak tree; copper nail and washer	897.32
Wood and rock culvert, 335 ft. W. of, 15 ft. S. of rd. at curve, in root on N. side of 18-in. forked white-walnut tree; crossed nails	962.53
T. 26 N., R. 11 W., about 150 ft. E. of approximate N. sixteenth cor. between secs. 23 and 24, 60 ft. S. of rd. at curve, in root on N. side of 14-in. white-oak tree; copper nail and washer	1,023.57
Flat Rock School, 92 ft. S. and 18 ft. E. from rd., at fence S., at quarter cor. between secs. 14 and 23, T. 26 N., R. 11 W., 8 ft. N. and 2 ft. E. from NW. corner of schoolhouse, in concrete post; standard tablet stamped "T T 1478 E R A 1935"	1,092.039
Reference mark, 55 ft. E. of tablet, in root on N. side of 24-in. red-oak tree; copper nail and washer	1,087.10
T-rd. N., 35 ft. N. and 65 ft. E. from, in root on S. side of 24-in. black-oak tree; crossed nails	1,102.39
T. 26 N., R. 11 W., in NE $\frac{1}{4}$ sec. 22, 105 ft. S. and 90 ft. W. from rd. fork SE., 15 ft. S. of rd. at curve, in root on N. side of 15-in. black-oak tree; copper nail and washer	1,064.20
Crossroads, 180 ft. S. and 15 ft. E. from, in root on N. side of 12-in. black-oak tree; crossed nails	1,128.05
Rd. forks, 120 ft. N. and 100 ft. W. from, 30 ft. N. of gate at entrance to Freeman farm, in root on E. side of 12-in. black-oak tree; crossed nails	1,117.49
T. 26 N., R. 11 W., about 0.3 mi. W. of approximate quarter cor. between secs. 22 and 27, 6 ft. S. and 6 ft. E. from U.S. Forest Service post, in root on S. side of 10-in. black-oak tree; copper nail and washer	1,065.23
Gate at entrance to Barkley dwelling, 10 ft. N. and 8 ft. E. from, in root on W. side of 18-in. black-oak tree; crossed nails	1,094.21
T. 26 N., R. 11 W., about 0.2 mi. E. of cor. secs. 27, 28, 33, and 34, 92 ft. E. of rd., 3 ft. S. of fence on line between secs. 27 and 34, in concrete post; standard tablet stamped "T T 1477 E R A 1935"	1,084.335
Reference mark, 5 ft. S. and 100 ft. W. from tablet, in root on S. side of 30-in. black-oak tree; copper nail and washer	1,086.66
Rd. corner from N.-E., 25 ft. S. and 120 ft. E. from, in root on N. side of 15-in. black-oak tree; crossed nails	1,031.08
T. 25 N., R. 11 W., near N. cor. secs. 3 and 4, 14 ft. S. and 15 ft. W. from rd. at T-fence S., in root on S. side of 12-in. red-oak tree; copper nail and washer	1,015.67
T. 25 N., R. 11 W., in SW $\frac{1}{4}$ sec. 3, 35 ft. N. and 90 ft. W. from rd. fork N., 15 ft. N. of rd. at curve, in root on N. side of 24-in. post-oak tree; copper nail and washer	1,021.16
T. 25 N., R. 11 W., 14 ft. N. and 154 ft. E. from stone at E. sixteenth cor. between secs. 4 and 9, 37 ft. N. and 61 ft. W. from rd. forks, 76 ft. S. and 68 ft. E. from SE. corner of dwelling of Ernest Collins, in concrete post; standard tablet stamped "T T 1476 E R A 1935"	1,026.015
Reference mark, 50 ft. S. and 50 ft. W. from tablet, in root on E. side of 30-in. black-oak tree; copper nail and washer	1,029.99
Little Zion Church, 70 ft. N. and 50 ft. W. from, in root on SE. side of 24-in. white-oak tree; crossed nails	1,006.08
T. 25 N., R. 11 W., near center sec. 8, 220 ft. E. of NW. corner of dwelling of E. B. Thompson, 25 ft. S. and 15 ft. W. from rd. corner E.-S., in root on S. side of 24-in. black-oak tree; copper nail and washer	1,014.16
T-rd. E., 25 ft. S. and 30 ft. E. from, in root on W. side of 12-in. black-oak tree; crossed nails	1,007.18
Junction of trail SW., 130 ft. S. of, 45 ft. E. of rd. at curve, in root on E. side of 18-in. post-oak tree; crossed nails	993.00
T. 25 N., R. 11 W., 21 ft. N. and 288 ft. E. from stone at cor. secs. 7, 8, 17, and 18, (Forest Service poster) 15 ft. N. of rd., 52 ft. S. and 7 ft. W. from SW. corner of dwelling of Noble Smallwood, in concrete post; standard tablet stamped "T T 1475 E R A 1935"	973.164
T. 25 N., R. 11 W., in NE $\frac{1}{4}$ sec. 18, at bridge over North Fork of White River, on top of E. end of S. abutment; chiseled square	774.38
North Fork of White River; surface of water at 4:15 p.m. February 20, 1936	754.4
Small wooden culvert, 45 ft. W. of, in root on S. side of 18-in. black-oak tree; crossed nails	936.86
T. 25 N., R. 11 W., in NE $\frac{1}{4}$ sec. 19, 0.6 mi. N. of Cash store on State Highway 14 at rd. N., 10 ft. N. and 50 ft. E. from junction of trail NE., in root on S. side of 15-in. white-oak tree; copper nail and washer	1,065.82
Richville, 3 mi. E. of, along State Highway 14, at Cash store, 220 ft. N. and 45 ft. E. from highway at rd. N., in root on SE. side of 30-in. black-oak tree; copper nail and washer	1,089.98
Richville, 2.5 mi. E. of, along State Highway 14, 15 ft. N. and 55 ft. W. from highway at N.-S. crossroad, in concrete post; standard tablet stamped "T T 144 B 1932"	1,057.953
Reference mark, 30 ft. N. of tablet, in root on E. side of 24-in. black-oak tree; copper nail and washer	1,054.99
Gate to farm of W. C. Chambers, 15 ft. N. and 15 ft. W. from, 42 ft. N. of highway, in root on W. side of 8-in. walnut tree; crossed nails	1,030.28
Richville, 1.4 mi. E. of, along State Highway 14, 50 ft. S. and 125 ft. E. from highway at junction of County Route H, in root on W. side of 30-in. black-oak tree; copper nail and washer	1,003.22
Richville, 1.4 mi. E. of, along State Highway 14, 220 ft. S. and 125 ft. E. from junction of County Route H, in root on S. side of 24-in. black-oak tree; copper nail and washer	1,001.52
Top of ridge, 0.6 mi. W. of junction of State Highway 14 and County Route H, in root on E. side of 15-in. black-oak tree; crossed nails	1,119.51

Junction of private rd. SW., 65 ft. S. and 35 ft. W. from, in root on N. side of 24-in. post-oak tree; crossed nails	Feet 1,138.61
Richville, 60 ft. N. and 60 ft. E. from T-rd. N., 18 ft. S. and 5 ft. E. from SW. corner of store building, on top at center of concrete foundation of gasoline pump; chiseled square	1,175.01
Richville, 0.6 mi. W. of, along State Highway 14, 30 ft. N. and 40 ft. E. from highway at rd. N., in concrete post; standard tablet stamped "T T 143 B 1932"	1,130.449
Reference mark, 45 ft. N. and 25 ft. W. from tablet, in root on W. side of 24-in. black-oak tree; copper nail and washer	1,126.04

(Continued in Fielden quadrangle; see line 8.)

5. FROM POINT ABOUT 1.4 MILES EAST OF RICHVILLE SOUTH TO SOUTH BORDER OF QUADRANGLE

Bethany Baptist Church, 40 ft. N. and 145 ft. E. from NE. corner of, in root on E. side of 10-in. post-oak tree; crossed nails	1,113.89
Richville, about 2 mi. SE. of, along State Highway 14 and County Route H, near S. sixteenth cor. between secs. 25 and 26, T. 25 N., R. 12 W., 15 ft. S. and 20 ft. W. from junction of rd. W., in root on E. side of 10-in. black-oak tree; copper nail and washer	1,065.23
Junction of rd. W., 80 ft. N. and 50 ft. W. from, in root on E. side of 24-in. hickory tree; crossed nails	1,064.99
Richville, about 3 mi. SE. of, along State Highway 14 and County Route H, 60 ft. S. of rd. SW., 27 ft. W. of rd. at curve, in root on N. side of 18-in. post-oak tree; copper nail and washer	1,044.48
Richville, about 3.2 mi. SE. of, along State Highway 14 and County Route H, near Douglas-Ozark county line, 58 ft. W. of highway, 36 ft. N. of rd. W., 16 ft. W. of triangular-blazed 15-in. hickory tree, in concrete post; standard tablet stamped "T T 25 C 1933"	1,011.013
Reference mark, 35 ft. S. and 55 ft. W. from tablet, in root on E. side of 36-in. black-oak tree; copper nail and washer	1,013.43
Dora Church, 40 ft. N. and 10 ft. E. from NW. corner of, 50 ft. E. of rd., in root on SE. side of 18-in. black-oak tree; crossed nails	998.58
T. 24 N., R. 11 and 12 W., near N. sixteenth cor. between secs. 7 and 12, 27 ft. S. and 85 ft. W. from T-rd. W., 55 ft. S. and 40 ft. W. from SE. corner of dwelling of R. B. Bell, on NE. corner of concrete top of well; chiseled square	1,037.53
Junction of rd. W., 30 ft. N. and 60 ft. E. from, in root on S. side of 28-in. white-oak tree; crossed nails	1,026.84
Richville, about 5.4 mi. SE. of, along State Highway 14 and County Route H, near N. sixteenth cor. between secs. 13 and 18, T. 24 N., R. 11 and 12 W., 4 ft. S. and 25 ft. E. from highway at rd. W., 2 ft. W. of fence, in concrete post; standard tablet stamped "T T 24 C 1933" (Reset 1 ft. N. and 13 ft. E. from above described location by highway engineer. Given elevation is for new location)	1,035.07
Reference mark, 20 ft. N. and 195 ft. W. from tablet, in root on E. side of 24-in. black-oak tree; copper nail and washer	1,026.50
Rd. corner from E.-37, 60 ft. S. and 25 ft. W. from, in root on E. side of 20-in. white-oak tree; crossed nails	983.37

(Continued in Cureall quadrangle; see line 8.)

6. FROM POINT ABOUT 3 MILES EAST OF RICHVILLE EAST ALONG STATE HIGHWAY 14 TO EAST BORDER OF QUADRANGLE

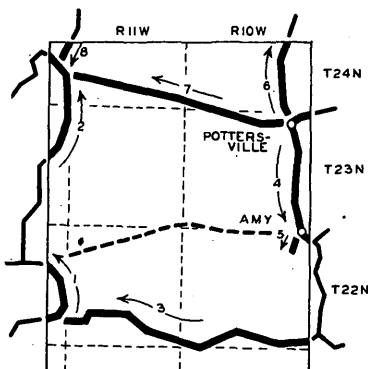
Junction of private rd. to Killen dwelling, 55 ft. S. and 100 ft. E. from, in root on W. side of 8-in. walnut tree; crossed nails	1,031.17
Junction of rd. N., 110 ft. N. and 45 ft. W. from, 50 ft. N. of highway at curve, in root on W. side of 10-in. white-oak tree; crossed nails	1,011.98
Richville, about 4.4 mi. E. of, along State Highway 14, 350 ft. N. and 30 ft. E. from NW. corner of Pine Ridge School, 50 ft. N. and 15 ft. W. from highway at drive to schoolhouse, in root on N. side of 26-in. black-oak tree; copper nail and washer	981.49
Crossroad, 45 ft. N. and 15 ft. W. from, in root on W. side of 12-in. black-oak tree; crossed nails	993.79
Richville, about 5.7 mi. E. of, along State Highway 14, 0.5 mi. W. of bridge over North Fork of White River, 35 ft. S. and 20 ft. W. from junction of trail SE., in root on N. side of 30-in. black-oak tree; copper nail and washer	967.75
Richville, 6.2 mi. E. of, along State Highway 14, 125 ft. S. and 65 ft. E. from E. end of bridge over North Fork of White River, 55 ft. S. of highway, in concrete post; standard tablet stamped "T T 145 B 1932"	751.138
Reference mark, 30 ft. N. and 115 ft. W. from tablet, on top near S. end of E. abutment of bridge; chiseled square	754.99
North Fork of White River, under State Highway 14 bridge, surface of water at 11:45 a.m. March 6, 1936	715.4
Twin Bridges, 40 ft. S. and 10 ft. E. from junction of rd. SE., in root on W. side of 30-in. white-oak tree; crossed nails	765.67
Spring Creek, under State Highway 14 bridge; surface of water at 12:30 p.m. March 6, 1936	714.6
Twin Bridges, 1 mi. E. of, along State Highway 14, near top of hill, 30 ft. S. and 45 ft. E. from junction of trail S., in root on NE. side of 12-in. white-oak tree; copper nail and washer	1,072.81
Twin Bridges, 1.8 mi. E. of, along State Highway 14, 50 ft. N. and 15 ft. W. from junction of rd. NW., 15 ft. S. and 85 ft. W. from dwelling of Ott Goss, in root on E. side of 12-in. black-oak tree; copper nail and washer	1,033.58

Dwelling of Julian Johnson, 55 ft. N. and 30 ft. E. from, 35 ft. S. of highway, in root on W. side of 8-in. white-oak tree; crossed nails	Feet 1,029.90
Junction of rd. S., 15 ft. S. and 45 ft. E. from, 50 ft. S. of highway at curve, in root on W. side of 18-in. white-oak tree; crossed nails	1,054.88
Twin Bridges, 3.5 mi. E. of, along State Highway 14, 7 ft. E. of fence on line between secs. 25 and 30, T. 25 N., R. 10 and 11 W., on Douglas-Howell county line, 30 ft. N. and 25 ft. W. from highway at rd. SW., in concrete post; standard tablet stamped "T T 146 B 1932"	1,072.432
Reference mark, 30 ft. S. and 75 ft. E. from tablet, in root on N. side of 30-in. pine tree; copper nail and washer	1,071.38
Crossroad, 30 ft. N. and 45 ft. W. from, 25 ft. N. of highway at curve, in root on S. side of 12-in. black-oak tree; crossed nails	1,108.32
Twin Bridges, 4.4 mi. E. of, along State Highway 14, in NW $\frac{1}{4}$ sec. 29, T. 25 N., R. 10 W., 25 ft. N. and 10 ft. E. from junction of rd. N., in root on W. side of 15-in. black-oak tree; copper nail and washer	1,159.20
Twin Bridges, 5.3 mi. E. of, along State Highway 14, 145 ft. N. of highway at junction of County Route T, in root on NE. side of 20-in. oak tree; copper nail and washer	1,181.53
Junction of rd. S., 330 ft. S. and 75 ft. W. from, in root on E. side of 12-in. black-oak tree; crossed nails	1,146.31
Twin Bridges, about 6.2 mi. E. of, along State Highway 14, 0.9 mi. E. of highway at junction of County Route T, 30 ft. N. and 125 ft. E. from rd. N., in root on E. side of 22-in. white-oak tree; copper nail and washer	1,134.25
Star School, about 520 ft. SE. of, 30 ft. N. and 30 ft. W. from State Highway 14 at rd. N., in concrete post; standard tablet stamped "T T 147 B 1932"	1,132.233
Reference mark, 380 ft. E. of tablet, in root on SE. side of 15-in. hickory tree; copper nail and washer	1,142.17
Junction of rd. S., 5 ft. N. and 50 ft. E. from, 30 ft. N. of highway, in root on NE. side of 8-in. hickory tree; crossed nails	1,156.06
Star School, about 1 mi. E. of, along State Highway 14, 25 ft. N. and 40 ft. E. from crossroad, at Byer service sta., on top of E. end of concrete foundation of gasoline pumps; chiseled square	1,170.26
State Highway 14 at T-fence S., 25 ft. S. and 55 ft. E. from, in root on S. side of 12-in. oak tree; crossed nails	1,158.71
Junction of trail S., 125 ft. W. of, 175 ft. W. of rail fence S., on top of S. head wall of concrete culvert; chiseled square	1,123.02
T. 25 N., R. 10 W., in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, 0.2 mi. W. of State Highway 14 at N-S. crossroad on line between secs. 35 and 36, in N. head wall of concrete culvert; standard tablet stamped "T T 148 B 1932"	1,121.186

(Continued in Willow Springs quadrangle; see line 5.)

CUREALL QUADRANGLE
(Latitude 36°30'1"-36°45'; longitude 92°00'1"-92°15')

Howell and Ozark Counties



1. IN SOUTHWEST CORNER OF QUADRANGLE (by F. S. Ruehnel in 1934)
(Continued from Gainesville quadrangle; see line 4.)

Howards Ridge, 6.1 mi. NE. of, along River rd., 8 ft. E. of rd., in root on W. side of 15-in. oak tree; copper nail and washer	815.57
Howards Ridge, 6.5 mi. NE. of, along River rd., at junction of Udall rd., 75 ft. N. of rd. forks, 47 ft. N. of triangular-blazed 24-in. white-oak tree, in concrete post; standard tablet stamped "T T 14 C 1933 826"	825.329
Reference mark, 60 ft. E. of tablet, in root on W. side of blazed 24-in. oak tree; copper nail and washer	820.44
Howards Ridge, 7.5 mi. NE. of, along River rd., at Mount Pleasant School, 300 ft. E. of SE. corner of schoolhouse, 50 ft. W. of rd. fork E., in root on W. side of blazed 15-in. oak tree; copper nail and washer	881.69

	<u>Feet</u>
Mount Pleasant School; 1 mi. N. of, along Udall rd., 15 ft. N. of rd., in root on S. side of 18-in. oak tree; copper nail and washer	688.42
Mount Pleasant School, 2.1 mi. N. of, along Udall rd., 80 ft. NE. of rd. forks, 7 ft. SE. of triangular-blazed 18-in. oak tree, in concrete post; standard tablet stamped "T T 15 C 1933 680"	679.843
Reference mark, 70 ft. NE. of post, in root on S. side of 14-in. oak tree; copper nail and washer	683.98

(Continued in Gainesville quadrangle; see line 7.)

2. NORTH ALONG NORTH HALF OF WEST BORDER OF QUADRANGLE

(Continued from Gainesville quadrangle; see line 9.)

Dawt, 4 mi. N. of, along Dora rd., 125 ft. SE. of dwelling of A. G. Martin, 15 ft. W. of rd., in root on E. side of 12-in. oak tree; copper nail and washer	908.27
Dawt, 4.9 mi. N. of, along Dora rd., in triangle formed by junction of Elijah rd., 65 ft. E. of rd. N., 60 ft. S. of rd. W., in concrete post; standard tablet stamped "T T 21 C 1933 922"	921.762
Reference mark, 60 ft. SW. of tablet, in root on E. side of 30-in. oak tree; copper nail and washer	921.90
Odom School, 0.8 mi. S. of, along Dora rd., at Cobb store, on SE. corner of concrete base of gasoline pump; chiseled square	846.88
Odom School, 200 ft. E. of SE. corner of, in root on N. side of 30-in. oak tree; copper nail and washer	882.19
Odom School, 0.5 mi. N. of, along Dora rd., 45 ft. E. of rd., 180 ft. NW. of NW. corner of dwelling of W. J. Hunt, in line with N. side of yard fence, in concrete post; standard tablet stamped "T T 22 C 1933 902"	901.372
Reference mark, 100 ft. SE. of tablet, in root on N. side of 18-in. oak tree; copper nail and washer	900.63
Odom School, 1.8 mi. N. of, along Dora rd., 50 ft. W. of junction of rd. E., in root on NE. side of 20-in. oak tree; copper nail and washer	921.95
Odom School, 2.9 mi. N. of, along Dora rd., 40 ft. E. of corner of yard of John Hall, in root on W. side of 30-in. oak tree; iron nail and washer	976.43
Odom School, 3.5 mi. N. of, along Dora rd., 600 ft. N. of dwelling of John Warren, 38 ft. S. and 17 ft. W. from rd. forks, in concrete post; standard tablet stamped "T T 23 C 1933 977" (Reset 30 ft. S. 23° 20' W. of above described location by highway engineer December 30, 1936. Given elevation is for new location.)	977.665
Reference mark, 60 ft. N. of tablet, in root on E. side of 10-in. oak tree; iron nail and copper washer	977.52
Ball School, 150 ft. S. of SE. corner of, in root on S. side of 15-in. oak tree; iron nail and copper washer	940.62
Sycamore, 4.1 mi. NE. of, 1.1 mi. N. of Needmore School, 31 ft. S. of rd., 75 ft. N. of NW. corner of dwelling of J. U. Sanders, 5 ft. W. of triangular-blazed 24-in. oak tree, in concrete post; standard tablet stamped "T T 26 C 1933 920"	919.930
Reference mark, 50 ft. S. of tablet, in root on W. side of 20-in. oak tree; iron nail and copper washer	919.53

(Continued in Gainesville quadrangle; see line 10.)

3. WEST NEAR SOUTH BORDER OF QUADRANGLE (by J. G. Bardsley in 1935)

(Continued from West Plains quadrangle; see line 3.)

Moody, 1.5 mi. SW. of, along Bakersfield-Moody rd., near NE. cor. sec. 2, T. 21 N., R. 10 W., 35 ft. N. of rd., 20 ft. W. of wire fence on sec. line, in root on S. side of 18-in. black-oak tree; copper nail and washer	948.26
Bakersfield-Moody rd. at township line, 10 ft. S. of, 125 ft. E. of Yacger dwelling, at 24-in. oak tree; surface of ground	862.7
Moody, 2.5 mi. SW. of, on Bakersfield-Moody rd., 250 ft. W. of cor. secs. 2, 3, 34, and 35, Tps. 21 and 22 N., R. 10 W., 150 ft. N. of dwelling of Fred Miller, 20 ft. S. of rd., in root on W. side of 18-in. oak tree; copper nail and washer	989.76
Moody, 3.5 mi. SW. of, in SW. sec. 34, T. 22 N., R. 10 W., 25 ft. SW. of rd., in root on N. side of 24-in. black-oak tree; spike	966.47
Leota, in SW. sec. 34, T. 22 N., R. 10 W., 27 ft. S. and 175 ft. W. from T-rd. S. at store, 35 ft. N. and 28 ft. W. from NW. corner of dwelling of J. W. Ulman, in concrete post; standard tablet stamped "T T 1457 E R A 1935"	994.139
Corn Creek, 100 ft. W. of, 15 ft. from rd., at root on S. side of 48-in. elm tree; surface of ground	951.7
Leota, 1.2 mi. W. of, along Bakersfield-Moody rd., in NW. sec. 33, T. 22 N., R. 10 W., 75 ft. E. of dwelling of J. A. Newberry, 25 ft. N. of rd., in root on S. side of 18-in. oak tree; copper nail and washer	1,025.52
Bakersfield, 4.5 mi. E. of, along Bakersfield-Moody rd., in SW. sec. 32, T. 22 N., R. 10 W., 75 ft. W. of creek, 10 ft. S. of rd., in root on N. side of 18-in. oak tree; copper nail and washer	884.38
Junction of private rd. N., 15 ft. N. of, at 18-in. oak tree; surface of ground	956.1
Bakersfield, 3 mi. E. of, in cor. 6, T. 21 N., R. 10 W., 77 ft. S. of T-rd. SE., 48 ft. W. of NW. corner of Shady Grove School, in concrete post; standard tablet stamped "T T 1458 E R A 1935"	840.356
Bakersfield, 2 mi. E. of, along Bakersfield-Moody rd., in W. sec. 6, T. 21 N., R. 10 W., at top of ridge, 25 ft. N. of rd., on N. side of old rd. NE., in root on S. side of 14-in. oak tree; copper nail and washer	916.33
Springhouse, 25 ft. W. of, near creek, 15 ft. S. of rd., at fence post; surface of ground	789.4

Bakersfield, 1 mi. E. of, along Bakersfield-Moody rd., near cor. Tps. 21 and 22 N., Rs. 10 and 11 W., at Howell-Ozark county line, 50 ft. E. of crossroad, 15 ft. S. of E.-W. rd., in root on N. side of 24-in. black-oak tree; copper nail and washer	<u>Feet</u> 809.90
Junction of rd. SW., 15 ft. S. and 50 ft. E. from, in root on N. side of 10-in. oak tree; nail	841.74
Bakersfield, in NE $\frac{1}{4}$ sec. 2, T. 21 N., R. 11 W., 35 ft. N. of West Main Street (County Route M), 2 ft. S. of T-fence N., in concrete post; standard tablet stamped "T T 1459 E R A 1935"	718.442
Rd. junction, 600 ft. E. of Bakersfield High School, at 10-in. oak tree; surface of ground	759.6
Bakersfield, 1.5 mi. NW. of, along Bakersfield-Udall rd., in SW $\frac{1}{4}$ sec. 34, T. 22 N., R. 11 W., 400 ft. SE. of rd. corner from S.-W., 150 ft. E. of dwelling of Dewey Ryan, 15 ft. NE. of rd., in root on W. side of 30-in. oak tree; copper nail and washer	908.52
Bakersfield, 2.3 mi. NW. of, along Bakersfield-Udall rd., in NE $\frac{1}{4}$ sec. 33, T. 22 N., R. 11 W., about 0.2 mi. W. of Mullin dwelling, 15 ft. S. of rd., on W. bank of creek, in root on N. side of 12-in. oak tree; copper nail and washer	807.55
Dwelling of Alvin Atkinson, 100 ft. N. of, 10 ft. N. of rd., in root on N. side of 14-in. oak tree; copper nail	848.27
Bakersfield, about 3.1 mi. NW. of, along Bakersfield-Udall rd., in NW $\frac{1}{4}$ sec. 33, T. 22 N., R. 11 W., 32 ft. S. of rd., 159 ft. E. of NE. corner of barn of A. B. James, 1 ft. N. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 1460 E R A 1935"	833.886
Junction of rd. N., 20 ft. N. of, 20 ft. S. of old blacksmith shop, at 14-in. oak tree; surface of ground	790.3
Bakersfield, 4.3 mi. NW. of, along Bakersfield-Udall rd., near cor. secs. 29, 30, 31, and 32, T. 22 N., R. 11 W., 300 ft. W. of dwelling of W. T. Hughes, 335 ft. E. of N.-S. fence, 15 ft. S. of rd., in 36-in. oak tree; copper nail and washer	882.43
Junction of rd. S., 120 ft. SW. of, 50 ft. E. of shed, at 18-in. oak tree; surface of ground	807.4
Bakersfield, 5 mi. NW. of, along Bakersfield-Udall rd., in SE $\frac{1}{4}$ sec. 30, T. 22 N., R. 11 W., at top of ridge, 20 ft. S. of rd., in root on N. side of 14-in. oak tree; copper nail and washer	899.99
Junction of crossroad, 10 ft. N. of, at 18-in. oak tree; surface of ground	800.7

4. FROM POTTERSVILLE SOUTH TO POINT NEAR CENTER OF EAST BORDER OF QUADRANGLE

(Continued from West Plains quadrangle; see line 7.)

Pottersville, 1.5 mi. E. of, along Pottersville-West Plains rd., in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T. 23 N., R. 10 W., 52 ft. S. and 21 ft. W. from rd., on range line, at rd. E., 8 ft. S. and 131 ft. E. from NE. corner of dwelling of O. E. Longston, 1 ft. W. of fence, in concrete post; standard tablet stamped "1436 E R A 1935"	1,050.714
T. 23 N., R. 10 W., near E. quarter cor. sec. 12, 40 ft. W. of rd., 40 ft. S. of stone wall, in root of 14-in. oak tree; copper nail and washer	1,080.40
T. 23 N., Rs. 9 and 10 W., near cor. secs. 7, 12, 13, and 18, 160 ft. W. of Herrin dwelling, 40 ft. N. of T-rd. W., 25 ft. W. of rd., in root of 20-in. oak tree; copper nail and washer	1,022.57
Davis Creek School, in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 23 N., R. 10 W., about 3.2 mi. N. of State Highway 80, 20 ft. N. and 19 ft. E. from rd. fork SE., 6 ft. N. and 92 ft. E. from NE. corner of schoolhouse, 11 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "1440 E R A 1935"	986.074
T. 23 N., R. 10 W., in sec. 24, about 0.6 mi. S. of Davis Creek School, 30 ft. SW. of mail box of W. C. Surrille, 12 ft. W. of rd., in root of 10-in. oak tree; copper nail and washer	1,060.08
T. 23 N., Rs. 9 and 10 W., near S. sixteenth cor. between secs. 19 and 24, 800 ft. S. of dwelling of F. H. Ransketter, 20 ft. E. of rd., 25 ft. W. of private rd. SE., in root of 30-in. oak tree; copper nail and washer	1,080.74
T. 23 N., Rs. 9 and 10 W., 230 ft. N. of cor. secs. 25, 30, 31, and 36, 1 mi. N. of State Highway 80, opposite dwelling of Ethel Hall, 12 ft. E. of rd., in root of 40-in. oak tree; copper nail and washer	1,111.14
Amy, 1 mi. N. and 0.2 mi. W. from, on State Highway 80, S. cor. secs. 31 and 36, T. 23 N., Rs. 9 and 10 W., 34 ft. S. of highway at rd. N., 5 ft. S. and 22 ft. W. from fence corner at rail fence S., in concrete post; standard tablet stamped "1441 E R A 1934"	1,100.627
T. 22 N., R. 10 W., N. cor. secs. 1 and 2, at State Highway 80 at rd. S., on NE. corner of concrete culvert; chiseled square	1,142.52

(Continued in West Plains quadrangle; see line 8.)

5. LINE TO DETERMINE ELEVATION NEAR AMY TRIANGULATION STATION

Hocoma, 0.5 mi. S. of, 15 ft. W. of rd., at corner fence post; surface of ground	1,140.2
Amy triangulation sta. reference mark 1, 2 ft. NW. of W. post of S. gate to yard of Mrs. J. C. Clark, on N. side of rd., near SE. corner of field, in concrete post; U.S.C. & G.S. standard disk	1,192.425
Amy triangulation sta. reference mark 2, about 120 ft. W. of W. post of S. gate to yard of Mrs. J. C. Clark, 1 ft. N. of fence, in S. part of field, in concrete post; U.S.C. & G.S. standard disk	1,192.481

6. FROM POTTERSVILLE NORTH TO NORTH BORDER OF QUADRANGLE

Pottersville, 0.6 mi. E. of, along Pottersville-West Plains rd., in W $\frac{1}{2}$ sec. 1, T. 23 N., R. 10 W., 25 ft. E. of private rd. N., on N. end of E. head wall of concrete culvert; chiseled square	Feet 954.37
Pottersville, in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T. 23 N., R. 10 W., 117 ft. E. of post office building, 35 ft. N. and 89 ft. E. from T-rd. N., 5 ft. N. and 2 ft. E. from concrete corner post in fence, in concrete post; standard tablet stamped "1437 E R A 1935"	962.256
Pottersville, about 0.6 mi. N. of, on line between secs. 2 and 35, Tps. 23 and 24 N., R. 10 W., on NE- concrete head wall of wooden bridge over creek; chiseled square	936.80
Pottersville, 1.2 mi. N. of, near center sec. 35, T. 24 N., R. 10 W., 100 ft. N. of dwelling of B. B. Tabor, 60 ft. E. of rd., in root on W. side of 12-in. hickory tree; copper nail and washer	991.33
Pottersville, 1.5 mi. N. of, near quarter cor. between secs. 26 and 35, T. 24 N., R. 10 W., 30 ft. N. of crossroads, in root on W. side of 36-in. oak tree; copper nail and washer	975.75
Pottersville, 3 mi. N. of, near cor. secs. 23, 24, 25, and 26, T. 24 N., R. 10 W., 22 ft. S. and 225 ft. W. from T-rd. N., 22 ft. S. and 45 ft. E. from T-rd. S., 2 ft. S. and 27 ft. E. from fence corner, in concrete post; standard tablet stamped "1438 E R A 1935"	1,042.428
Pottersville, 4 mi. N. of, 3 mi. S. of Grimmer, cor. secs. 13, 14, 23, and 24, T. 24 N., R. 10 W., 10 ft. N. of crossroads, in root on E. side of 36-in. oak tree; copper nail and washer	1,096.93
Rd. corner from S.-E., 5 ft. W. of, at 12-in. oak tree; (mark not described)	1,058.1
Grimmett, 2 mi. S. of, in NW $\frac{1}{4}$ sec. 13, T. 24 N., R. 10 W., 100 ft. S. of T-rd. E., in root on W. side of 8-in. oak tree; copper nail and washer	1,046.64

(Continued in Topaz quadrangle; see line 3.)

7. WEST THROUGH NORTHERN PART OF QUADRANGLE

Pottersville, 1 mi. W. of, near center sec. 3, T. 23 N., R. 10 W., 115 ft. SE. of T-rd. E., in root on N. side of 12-in. oak tree; copper nail and washer	1,014.14
Rd. corner from E.-N., 50 ft. S. of, at 14-in. oak tree; (mark not described)	981.6
Pottersville, 2 mi. W. of, near cor. secs. 3, 4, 33, and 34, Tps. 23 and 24 N., R. 10 W., 90 ft. NW. of wooden bridge, 25 ft. S. of rd. at curve, in root on NW. side of 48-in. twin oak tree; copper nail and washer	912.55
Pottersville, 2.5 mi. W. of, 35 ft. E. of rd., at 36-in. oak tree; (mark not described)	1,054.1
Pottersville, 3.5 mi. W. of, in SE $\frac{1}{4}$ sec. 32, T. 24 N., R. 10 W., 55 ft. S. of rd., 28 ft. N. and 27 ft. E. from NE. corner of dwelling of C. P. Hudlow, 5 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 1461 E R A 1935"	1,067.821
T-rd. NE., 15 ft. N. of, at 36-in. oak tree; surface of ground	1,140.4
Pottersville, about 4.8 mi. W. of, in NE $\frac{1}{4}$ sec. 31, T. 24 N., R. 10 W., 1 mi. E. of Howell-Ozark county line, 150 ft. S. of dwelling of E. R. Spencer, 30 ft. E. of rd. at curve, in root on W. side of 24-in. oak tree; copper nail and washer	1,088.15
Near center sec. 31, 15 ft. N. of rd., at 24-in. oak tree; surface of ground	1,051.4
Pottersville, 6 mi. W. of, 30 ft. S. of crossroads on line between secs. 31 and 36, T. 24 N., R. 10 and 11 W., on Howell-Ozark county line, in root on N. side of 24-in. oak tree; copper nail and washer	1,106.70
Rd. forks, 100 ft. W. of, at S. side of 24-in. oak tree; (mark not described)	1,105.5
Pottersville, 7 mi. W. of, 334 ft. N. of cross fences at quarter cor. between secs. 35 and 36, T. 24 N., R. 11 W., 32 ft. S. of rd., 99 ft. E. of SE. corner of log dwelling of Grant Fox, in concrete post; standard tablet stamped "T T 1462 E R A 1935"	1,067.130
T. 24 N., R. 11 W., in NW $\frac{1}{4}$ sec. 35, on rd. W. to Rainbow Spring, 80 ft. SW. of T-rd. N., 20 ft. S. of E.-W. rd., in 12-in. black-oak tree; copper nail and washer	1,038.85
T. 24 N., R. 11 W., in NW $\frac{1}{4}$ sec. 34, on Rockbridge-West Plains rd. W. to Rainbow Spring, 1.5 mi. E. of North Fork of White River, 100 ft. W. of old rd. SW., 10 ft. S. of rd., in root on S. side of 12-in. oak tree; copper nail and washer	1,012.33
T. 24 N., R. 11 W., in NW $\frac{1}{4}$ sec. 33, on Rockbridge-West Plains rd., 0.5 mi. E. of North Fork of White River, 10 ft. N. of rd., in root on S. side of 24-in. black-oak tree; copper nail and washer	887.43
Rainbow Spring, just above and opposite mouth of, about 275 ft. E. of E. bank of North Fork of White River, 20 ft. S. and 77 ft. E. from SE. corner of northernmost cabin, 2 ft. N. and 43 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 1463 E R A 1935"	676.809
T. 24 N., R. 11 W., in SE $\frac{1}{4}$ sec. 29, on rd. to Dara, about 0.4 mi. W. of Rainbow Spring, on top of ridge W. of North Fork of White River, 40 ft. S. of rd., in root on NW. side of 18-in. white-oak tree; copper nail and washer	924.87
T. 24 N., R. 11 W., in NE $\frac{1}{4}$ sec. 30, 300 ft. S. of dwelling of J. P. Russell, 20 ft. N. of rd., in root on S. side of 14-in. oak tree; copper nail and washer	886.67

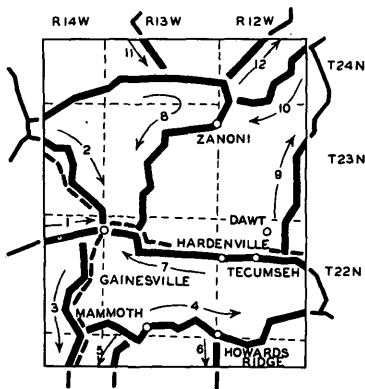
8. IN NORTHWEST CORNER OF QUADRANGLE (by E. J. Noonan in 1936)
(Continued from Topaz quadrangle; see line 5.)

Sycamore, 6.3 mi. NE. of, near S. sixteenth cor. sec. 13, T. 24 N., R. 12 W., 100 ft. N. and 60 ft. W. from rd. corner N.-W., in root on E. side of 12-in. white-oak tree; copper nail and washer	Feet 935.68
Junction of rd. S., 45 ft. S. and 10 ft. E. from, in root on W. side of 8-in. white-oak tree; crossed nails	925.44
Junction of rd. W., 5 ft. S. and 60 ft. W. from, in root on N. side of 26-in. black-oak tree; copper nail and washer	867.88
Sycamore, 5.3 mi. NE. of, 25 ft. N. and 30 ft. E. from SE. corner of store of Sander and Rieger, 25 ft. E. of rd., in root on W. side of 36-in. elm tree; copper nail and washer	864.04
Wooden culvert, 10 ft. S. and 30 ft. E. from, in root on NW. side of 24-in. white-oak tree; crossed nails	893.84

For an additional level line along State Highway 80, refer to U.S. Coast and Geodetic Survey second-order line, West Plains to Gainesville.

GAINESVILLE QUADRANGLE
(Latitude 36°30'-36°45'; longitude 92°15'-92°30')

Ozark County



1. FROM CENTER OF WEST BORDER OF QUADRANGLE EAST TO GAINESVILLE (by L. V. Johnson in 1931)
(Continued from Thornfield quadrangle; see line 1.)

Gainesville, 3.6 mi. W. of, along Protom rd., 400 ft. E. of dwelling of D. C. Frederick, 17 ft. N. of rd., 12 ft. SE. of corner fence post, in root on N. side of 18-in. oak tree; copper nail and washer	999.69
Gainesville, 2.4 mi. W. of, along State Highway 5, 47 ft. N. and 18 ft. W. from junction of Gainesville-Protom rd., 8 ft. NW. of triangular-blazed 30-in. oak tree, in concrete post; standard tablet stamped "T T 15 B 1931"	1,006.865
Gainesville, 1.2 mi. W. of, along State Highway 5, at curve, on limestone ledge; chiseled square	907.08

2. FROM POINT NEAR CENTER OF NORTH HALF OF WEST BORDER OF QUADRANGLE SOUTHEAST TO GAINESVILLE
(Continued from Thornfield quadrangle; see line 2.)

Gainesville, 7.8 mi. NW. of, along State Highway 5, 28 ft. N. and 25 ft. E. from junction of rd. SW., in root on SE. side of blazed, small oak tree; copper nail and washer	1,099.09
Gainesville, 7 mi. NW. of, along State Highway 5, 26 ft. N. and 10 ft. W. from junction of rd. N., 3 ft. NE. of mail box of J. O. Cook, on rock head wall of culvert; chiseled square	1,176.76
Gainesville, 6 mi. NW. of, along State Highway 5, 125 ft. S. and 30 ft. W. from highway at rd. W., 60 ft. S. of highway at rd. SE., in concrete post; standard tablet stamped "T T 12 B 1931"	1,167.009
Gainesville, 5 mi. NW. of, along State Highway 5, 700 ft. SE. of junction of dim rd. E., 850 ft. N. of crossing of telephone line, 35 ft. E. of highway, in root on SW. side of blazed 15-in. oak tree; copper nail and washer	1,092.18
Gainesville, 3.9 mi. NW. of, along State Highway 5, 370 ft. S. of junction of dim rd. E., 75 ft. N. of crossing of telephone line, 35 ft. E. of highway, in root on S. side of blazed 20-in. oak tree; copper nail and washer	1,091.80
Gainesville, 2.8 mi. NW. of, along State Highway 5, 37 ft. W. of highway at dim rd. SW., 3 ft. S. and 10 ft. E. from triangular-blazed 10-in. post-oak tree, in concrete post; standard tablet stamped "T T 13 B 1931"	1,037.075

	<u>Feet</u>
Reference mark, 35 ft. S. of tablet, in root on SE. side of 10-in. oak tree; copper nail and washer	1,037.48
Gainesville, 1.4 mi. N. of, along State Highway 5, at NW. corner of bridge over Hogard Creek, on top of N. end of concrete railing; chiseled square	797.36
Gainesville, 36 ft. S. and 62 ft. E. from E. entrance to school, in concrete post; standard tablet stamped "T T 14 B 1931"	782.577
Reference mark, 20 ft. N. of tablet, on SE. corner of concrete walk; chiseled square	784.90

3. FROM POINT 2.5 MILES WEST OF GAINESVILLE SOUTH ALONG STATE HIGHWAY 5 TO MISSOURI-ARKANSAS STATE LINE, INCLUDING THAT PART OF THE LINE IN MOUNTAIN HOME NO. 2 QUADRANGLE (by F. S. Kuehnelt in 1934)

Gainesville, 3.5 mi. SW. of, along State Highway 5, on top of E. head wall of concrete culvert; chiseled square	1,014.43
Gainesville, 4.5 mi. SW. of, along State Highway 5, on top of W. head wall of concrete culvert; chiseled square	973.50
Gainesville, 5 mi. SW. of, along State Highway 5, 22 ft. S. and 50 ft. E. from highway at rd. E., 10 ft. N. of triangular-blazed 24-in. oak tree, in concrete post; standard tablet stamped "T T 4 C 1933 1021"	1,020.345
Reference mark, 230 ft. S. of tablet, 80 ft. E. of highway, in root on N. side of blazed 18-in. oak tree; copper nail and washer	1,021.32
Gainesville, 6.1 mi. SW. of, along State Highway 5, 60 ft. E. of highway, in root on N. side of 20-in. oak tree; copper nail and washer	1,161.56
Gainesville, 7.8 mi. SW. of, along State Highway 5, 40 ft. S. of highway, in root on W. side of 12-in. oak tree; copper nail and washer	1,152.31
Gainesville, 8.2 mi. SW. of, along State Highway 5, 35 ft. W. of highway, 550 ft. N. of dwelling of R. W. Graves, 3 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 5 C 1933 1126"	1,125.854
Reference mark, 75 ft. NW. of tablet, in root on E. side of 14-in. oak tree; copper nail and washer	1,133.73
Gainesville, 9.4 mi. SW. of, along State Highway 5, 25 ft. S. and 35 ft. E. from junction of rd. E. to Mammoth, in root on E. side of 12-in. oak tree; copper nail and washer	1,182.75
Gainesville, 9.8 mi. SW. of, along State Highway 5, 40 ft. S. and 150 ft. W. from SW. corner of New Hope School, 40 ft. E. of highway, in root on W. side of 8-in. hickory tree; copper nail and washer	1,185.44
Gainesville, 10.7 mi. SW. of, along State Highway 5, 1 mi. S. of New Hope School, 18 ft. N. and 40 ft. W. from junction of rd. NW., in root on S. side of 12-in. oak tree; copper nail and washer	1,197.69
Gainesville, 11.6 mi. SW. of, along State Highway 5, 35 ft. W. of highway, 23 ft. S. of triangular-blazed 12-in. white-oak tree, on Mo.-Ark. State line, in concrete post; standard tablet stamped "T T 6 C 1933 1193"	1,193.151

4. EAST NEAR SOUTH BORDER OF QUADRANGLE

Mammoth, 5.1 mi. SW. of, along Mammoth mail route, 45 ft. N. and 6 ft. E. from junction of rd. NE., in root on W. side of 12-in. hickory tree; copper nail and washer	1,131.04
Mammoth, 4.4 mi. W. of, along Mammoth mail route, 45 ft. S. of blazed 24-in. oak tree, in root on W. side of 12-in. tree; copper nail and washer	1,073.80
Mammoth, 3.4 mi. W. of, along Mammoth mail route, 25 ft. N. of rd., in root on S. side of blazed 15-in. oak tree; copper nail and washer	1,045.72
Mammoth, 2.6 mi. W. of, along Mammoth mail route, in center of triangle at rd. forks, 92 ft. E. of triangular-blazed 10-in. cedar tree, 36 ft. S. of triangular-blazed tree, in concrete post; standard tablet stamped "T T 7 C 1933 910"	910.041
Reference mark, 85 ft. NW. of tablet, in root on N. side of blazed 10-in. cedar tree; copper nail and washer	909.42
Mammoth, 1.9 mi. W. of, along Mammoth mail route, 15 ft. E. of rd., in root on W. side of blazed 18-in. oak tree; copper nail and washer	761.55
Mammoth, 1 mi. S. of, along Mammoth mail route, 20 ft. E. of junction of Mammoth and Possum Walk rds., in root on W. side of blazed 24-in. sycamore tree; copper nail and washer	697.92
Mammoth, 22 ft. NW. of rd. forks, 70 ft. E. of SE. corner of Mammoth School, in concrete post; standard tablet stamped "T T 9 C 1933 672"	671.807
Reference mark, 50 ft. NW. of tablet, in root on W. side of blazed 30-in. oak tree; copper nail and washer	672.53
Mammoth, 1.2 mi. E. of, along Howards Ridge mail route, at junction of rd. S., in root on W. side of 24-in. walnut tree; copper nail and washer	633.03
Mammoth, 2 mi. E. of, along Howards Ridge mail route, 45 ft. N. and 25 ft. W. from junction of private rd., 285 ft. S. of dwelling, 66 ft. W. of triangular-blazed 15-in. oak tree, in concrete post; standard tablet stamped "T T 10 C 1933 831"	831.064
Reference mark, 65 ft. SE. of tablet, in root on W. side of blazed 15-in. oak tree; copper nail and washer	828.72
Mammoth, 3 mi. E. of, along Howards Ridge mail route, 10 ft. S. of rd., in root on N. side of 12-in. oak tree; copper nail and washer	879.05
Mammoth, 3.7 mi. E. of, along Howards Ridge mail route, 12 ft. N. and 12 ft. W. from junction of rd. S., in root on S. side of 15-in. elm tree; copper nail and washer	757.78
Mammoth, 4.7 mi. E. of, along Howards Ridge mail route, 10 ft. from rd., in root on S. side of 30-in. oak tree; copper nail and washer	732.80
Howards Ridge, 21 ft. N. and 30 ft. W. from rd. forks, 51 ft. N. of triangular-blazed 24-in. oak tree, 6 ft. from fence corner, in concrete post; standard tablet stamped "T T 11 C 1933 884"	883.670
Reference mark, 60 ft. S. of tablet, in root on N. side of 18-in. oak tree; copper nail and washer	883.64

Howards Ridge, 0.5 mi. S. of, along Howards Ridge mail route, 50 ft. SE. of junction of rd. SW., in root on W. side of 18-in. oak tree; copper nail and washer	Feet 851.62
Howards Ridge, 1.5 mi. SE. of, along River rd., 70 ft. E. of junction of rd. N., 20 ft. S. of rd., in root on N. side of 24-in. oak tree; copper nail and washer	879.40
Howards Ridge, 2.2 mi. E. of, along River rd., 19 ft. S. of rd., 40 ft. S. and 21 ft. E. from SW. corner of yard of H. E. Baxter, in concrete post; standard tablet stamped "T T 13 C 1933 841"	840.454
Reference mark, 70 ft. N. of tablet, in root on E. side of 14-in. oak tree; copper nail and washer	841.32
Howards Ridge, 3.5 mi. E. of, along River rd., 10 ft. N. of rd., in root on S. side of 18-in. oak tree; copper nail and washer	661.62
Howards Ridge, 4.5 mi. E. of, along River rd., 150 ft. N. of bank of North Fork of White River, in root on E. side of 6-in. elm tree; copper nail and washer	521.01

(Continued in Cureall quadrangle; see line 1.)

5. FROM MAMMOTH SOUTH TO MISSOURI-ARKANSAS STATE LINE, INCLUDING THAT PART OF THE LINE IN MOUNTAIN HOME NO. 2 QUADRANGLE

Mammoth, 1.8 mi. SW. of, along Possum Walk rd., 0.8 mi. S. of junction of Mammoth mail route, in root on E. side of 24-in. oak tree; copper nail and washer	751.72
Mammoth, 2.1 mi. S. of, along Possum Walk rd., 75 ft. S. of fence corner, in root on W. side of 30-in. oak tree; copper nail and washer	725.42
Mammoth, 3.1 mi. S. of, along Possum Walk rd., 25 ft. S. of rd., in root on N. side of blazed 24-in. oak tree; copper nail and washer	793.26
Mammoth, 3.2 mi. S. of, along Possum Walk rd., 10 ft. S. and 40 ft. W. from blazed 10-in. oak tree, 25 ft. SE. of rd., in concrete post; standard tablet stamped "T T 8 C 1933 769"	768.868
Reference mark, 10 ft. N. and 40 ft. E. from tablet, in root on N. side of blazed 10-in. oak tree; copper nail and washer	767.66

6. FROM HOWARDS RIDGE SOUTH TO MISSOURI-ARKANSAS STATE LINE, INCLUDING THAT PART OF THE LINE IN MOUNTAIN HOME NO. 2 QUADRANGLE

Howards Ridge, 1.5 mi. S. of, along Howards Ridge mail route, 15 ft. W. of rd., in root on E. side of blazed 30-in. oak tree; copper nail and washer	904.79
Howards Ridge, 2.5 mi. S. of, along Howards Ridge mail route, 15 ft. E. of rd., in concrete post; standard tablet stamped "T T 12 C 1933 874"	873.625
Reference mark, 40 ft. W. of tablet, in root on N. side of 15-in. hickory tree; copper nail and washer	874.25

7. FROM EAST BORDER OF QUADRANGLE WEST ALONG STATE HIGHWAY 80 TO GAINESVILLE

(Continued from Cureall quadrangle; see line 1.)

Banner School, about 1 mi. E. of, about 1 mi. S. of State Highway 80, 20 20 ft. E. of Udall rd., in root on W. side of 30-in. oak tree; copper nail and washer	863.42
Tecumseh, 2.2 mi. E. of, along State Highway 80, 75 ft. W. of junction of Udall rd., in root on W. side of 15-in. oak tree; copper nail and washer	895.82
Tecumseh, 1.8 mi. E. of State Highway 80 bridge over North Fork of White River, 26 ft. N. and 20 ft. E. from highway at N.-S. crossroad, in concrete post; standard tablet stamped "T T 16 C 1933 863"	862.997
Reference mark, 50 ft. S. of tablet, on SE. corner of head wall of culvert; chiseled square	860.45
Tecumseh, at SE. corner of State Highway 80 bridge over North Fork of White River, on top of concrete abutment; chiseled square	585.31
Tecumseh, at NW. corner of State Highway 80 bridge over North Fork of White River, on top of concrete curb; chiseled square	585.24
Hardenville, 45 ft. S. of post office, 24 ft. S. of State Highway 80, in concrete post; standard tablet stamped "T T 17 C 1933 851"	850.714
Reference mark, 70 ft. S. of tablet, in root on N. side of blazed 12-in. oak tree; copper nail and washer	846.73
Hardenville, 1.1 mi. W. of, along State Highway 80, 70 ft. S. and 10 ft. E. from junction of rd. S., in root on N. side of 10-in. cedar tree; copper nail and washer	920.66
Hardenville, 2.2 mi. W. of, along State Highway 80, 40 ft. S. of highway, in root on N. side of 15-in. oak tree; copper nail and washer	931.75
Hardenville, 3.2 mi. W. of, along State Highway 80, 35 ft. S. and 20 ft. W. from highway at private drive, 60 ft. N. and 10 ft. E. from NE. corner of small dwelling, in concrete post; standard tablet stamped "T T 18 C 1933 955"	954.480
Reference mark, 80 ft. W. of tablet, in root on N. side of 12-in. hickory tree; copper nail and washer	951.20
Lilly Ridge School, 0.5 mi. E. of, along State Highway 80, 50 ft. S. and 40 ft. E. from junction of rd. N., in root on N. side of 15-in. oak tree; copper nail and washer	986.18
Lilly Ridge School, 1.1 mi. N. of, along State Highway 80, 40 ft. E. of highway, in root on W. side of 24-in. oak tree; copper nail and washer	1,009.33
Gainesville, 2 mi. E. of, along State Highway 80, 44 ft. S. and 54 ft. W. from junction of County Route E, in concrete post; standard tablet stamped "T T 19 C 1933 1060"	1,059.744
Reference mark, 250 ft. NW. of tablet, in root on E. side of 18-in. oak tree; copper nail and washer	1,059.32

Gainesville, at NE. end of State Highway 80 bridge over Lick Creek, on top of abutment; chiseled square	<u>Feet</u> 764.79
Gainesville, 36 ft. S. and 62 ft. E. from E. entrance to school, in concrete post; standard tablet stamped "T T 14 B 1931 783"	782.577
Reference mark, 20 ft. N. of tablet, on SE. corner of concrete walk; chiseled square	784.88

8. FROM CENTER OF NORTH HALF OF WEST BORDER OF QUADRANGLE EAST TO POINT NEAR ZANONI, THENCE SOUTHWEST TO POINT 2 MILES EAST OF GAINESVILLE

(Continued from Thornfield quadrangle; see line 4.)

Willhoit, 1 mi. N. of, along Romance rd., 12 ft. S. of rd., at fence corner, in root on E. side of 24-in. elm tree; copper nail and washer	922.51
Romance, 0.8 mi. S. of, 40 ft. W. of rd., in concrete post; standard tablet stamped "T T 10 B 1931 963"	962.479
Reference mark, 60 ft. S. of tablet, in root on N. side of 18-in. oak tree; copper nail and washer	963.54
Romance, 1.8 mi. SE. of, 6 ft. W. of rd., in root on E. side of 15-in. walnut tree; copper nail and washer	1,118.14
Romance, 2.8 mi. E. of, 0.2 mi. S. of dwelling of Oscar Watson, 6 ft. N. of rd., in root on E. side of 24-in. oak tree; copper nail and washer	1,182.09
Romance, 3.2 mi. E. of, 75 ft. SW. of dim rd. fork W., in root on E. side of 15-in. oak tree; copper nail and washer	1,328.58
Romance, 4.6 mi. E. of, at rd. fork NW., in root on W. side of 12-in. oak tree; copper nail and washer	1,084.91
Romance, 4.8 mi. E. of, 950 ft. SW. of rd. fork SE., 15 ft. W. of rd., in root on E. side of 15-in. oak tree; copper nail and washer	1,104.88
Romance, 7 mi. E. of, 48 ft. S. and 13 ft. W. from junction of dim rd. S., 10 ft. W. of triangular-blazed 18-in. black-oak tree, in concrete post; standard tablet stamped "T T 32 C 1933 1168"	1,167.819
Reference mark, 50 ft. W. of tablet, in root on E. side of 15-in. oak tree; copper nail and washer	1,166.29
Caney School, 0.8 mi. W. of, at rd. fork N., in root on N. side of 12-in. oak tree; copper nail and washer	1,004.03
Caney School, 0.3 mi. E. of, at Pine Creek, 15 ft. S. of rd., in root on N. side of 15-in. oak tree; copper nail and washer	875.77
Caney School, 1.4 mi. E. of, 30 ft. N. and 33 ft. W. from rd. forks, 8 ft. S. 45° W. of triangular-blazed 24-in. oak tree, in concrete post; standard tablet stamped "T T 31 C 1933 1087"	1,086.320
Reference mark, 80 ft. W. of tablet, in root on S. side of 24-in. oak tree; copper nail and washer	1,085.69
Caney School, 2.5 mi. E. of, 40 ft. E. of rd. fork NE., 5 ft. E. of rd., in root on NW. side of 18-in. oak tree; copper nail and washer	1,102.84
Caney School, 3.6 mi. E. of, 80 ft. N. of rd. fork NE., 5 ft. E. of rd., in root on NW. side of 18-in. oak tree; copper nail and washer	1,055.82
Caney School, 4.6 mi. E. of, 20 ft. NW. of NW. corner of dwelling of E. M. Scribner, 63 ft. W. of N.-S. rd., 17 ft. N. of E.-W. rd., in concrete post; standard tablet stamped "T T 28 C 1933 1093"	1,092.464
Reference mark, 60 ft. S. of tablet, in root on W. side of blazed 18-in. oak tree; copper nail and washer	1,091.66
Zanoni, 0.8 mi. N. of, along County Route E, 150 ft. S. of junction of rd. SW., 150 ft. SW. of SW. corner of old barn, 30 ft. W. of highway, in root on E. side of 15-in. oak tree; copper nail and washer	943.65
Zanoni, 0.4 mi. S. of, along County Route E, 40 ft. N. of junction of rd. SE., 30 ft. NW. of highway, in root on S. side of 12-in. oak tree; copper nail and washer	1,012.09
Zanoni, 1.5 mi. W. of post office, along County Route E, 26 ft. NE. of highway, 23 ft. E. of driveway across ditch, 6 ft. SW. of triangular-blazed oak tree, in concrete post; standard tablet stamped "T T 29 C 1933 1031"	1,030.896
Reference mark, 60 ft. S. of tablet, in root on N. side of 20-in. oak tree; copper nail and washer	1,030.41
Zanoni, 2.5 mi. W. of, along County Route E, 350 ft. W. of dwelling of D. N. Jack, 40 ft. N. of highway, in root on E. side of 24-in. hickory tree; copper nail and washer	1,047.09
Zanoni, 3.7 mi. SW. of, along County Route E, 50 ft. S. of junction of rd. E., on top at NE. corner of large concrete culvert; chiseled square	787.62
Zanoni, 5.1 mi. SW. of, along County Route E, 23 ft. N. and 32 ft. E. from highway at dim rd. N., 29 ft. W. of triangular-blazed oak tree, in concrete post; standard tablet stamped "T T 30 C 1933 1082"	1,081.618
Reference mark, 50 ft. SE. of tablet, in root on S. side of 12-in. oak tree; copper nail and washer	1,082.92
Zanoni, 6.5 mi. SW. of, along County Route E, 40 ft. W. of highway, in root on S. side of 12-in. oak tree; copper nail and washer	1,114.04
Gainesville, 3 mi. NE. of, along County Route E, 1 mi. N. of State Highway 80, 100 ft. S. of junction of rd. to Luna, in root on W. side of 18-in. oak tree; copper nail and washer	1,089.09

9. FROM POINT NEAR DAWT NORTH TO CENTER OF NORTH HALF OF EAST BORDER OF QUADRANGLE

Dawt, 0.5 mi. SE. of, along Dora rd., 70 ft. N. of NE. corner of old church, 20 ft. W. of junction of crossroad, at corner of cemetery, in root on E. side of 24-in. oak tree; copper nail and washer	691.27
Dawt, 1.5 mi. NE. of, along Dora rd., at NE. end of low-water bridge over North Fork of White River, on top at NE. corner of concrete wing wall of approach; chiseled square	584.24
Dawt, 2.2 mi. NE. of, along Dora rd., 215 ft. W. of NW. corner of cemetery, 31 ft. E. of rd., 8 ft. SE. of triangular-blazed 30-in. black-oak tree, in concrete post; standard tablet stamped "T T 20 C 1933 653"	652.416

Reference mark, 50 ft. SW. of tablet, in root on N. side of 18-in. oak tree; copper nail and washer	Feet 651.58
Dawt, 3 mi. NE. of, along Dora rd., 20 ft. SE. of rd., at fence corner, in root on W. side of blazed 30-in. oak tree; copper nail and washer	775.95

(Continued in Cureall quadrangle; see line 2.)

10. FROM NORTHEAST CORNER OF QUADRANGLE SOUTHWEST TO POINT ABOUT 2 MILES NORTH OF ZANONI

(Continued from Cureall quadrangle; see line 2.)

Needmore School, 200 ft. NE. of NE. corner of, 20 ft. W. of rd. fork E., in root on E. side of 30-in. oak tree; iron nail and copper washer	898.25
Hodgson Mill, 0.5 mi. NW. of, at rd. fork E., 350 ft. SW. of dwelling of J. A. Stout, in root on W. side of 20-in. elm tree; iron nail and copper washer	693.72
Hodgson Mill, 0.4 mi. SW. of, 70 ft. S. of rd., 124 ft. N. of NE. corner of yard fence of M. T. Smith, 22 ft. W. of blazed 12-in. hickory tree, in concrete post; standard tablet stamped "T T 27 C 1933 729"	728.310
Reference mark, 140 ft. SE. of tablet, in root on W. side of 15-in. walnut tree; iron nail and copper washer	729.86
Sycamore, 0.4 mi. W. of, 30 ft. N. and 60 ft. E. from rd. fork N., 20 ft. N. of rd., in root on S. side of 12-in. sassafras tree; iron nail and copper washer	824.57
Pleasant Hill School, 70 ft. NW. of NW. corner of, 60 ft. N. of rd., in root on S. side of 24-in. oak tree; iron nail and copper washer	976.73

11. SOUTH NEAR CENTER OF NORTH BORDER OF QUADRANGLE (by B. A. Barnes in 1935)

(Continued from Fielden quadrangle; see line 5.)

Brixey, 1.2 mi. SE. of, 22 ft. S. of T-rd. W., 38 ft. W. of N-S rd., in saddle, in root of 13-in. black-oak tree; copper nail and washer	1,040.04
T. 24 N., R. 13 W., in SW $\frac{1}{4}$ sec. 27, 45 ft. S. and 17 ft. W. from SW. corner of dwelling, 25 ft. N. of rd., 2 ft. S. of yard fence, in concrete post; standard tablet stamped "1392 E R A 1935"	964.385

12. NORTH NEAR NORTHEAST CORNER OF QUADRANGLE

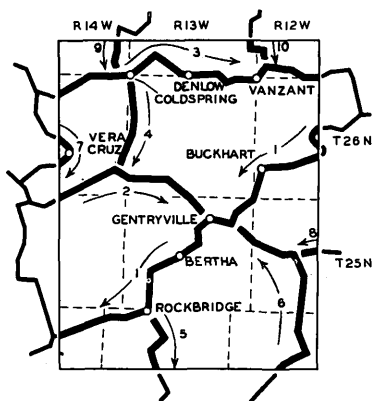
New Hope School, 0.6 mi. W. of, near E. sixteenth cor. between secs. 30 and 31, T. 24 N., R. 12 W., 27 ft. N. of rd. E., 21 ft. E. of rd. N., in root of 23-in. black-oak tree; copper nail and washer	971.84
T. 24 N., R. 12 W., near quarter cor. between secs. 29 and 30, 29 ft. S. and 24 ft. W. from SW. corner of dwelling of J. M. Hutchison, 6 ft. SW. of corner of yard fence, in concrete post; standard tablet stamped "1393 E R A 1935"	967.141
T. 24 N., R. 12 W., in NE $\frac{1}{4}$ sec. 29, 125 ft. N. of Bryant Creek, 500 ft. W. of Tooley dwelling, in root of 26-in. elm tree; copper nail and washer	672.70
T. 24 N., R. 12 W., in NW $\frac{1}{4}$ sec. 21, 9 ft. E. of N-S rd., 7 ft. N. of rd. E., 250 ft. N. of dwelling, in root of 22-in. white-oak tree; copper nail and washer	962.73

(Continued in Fielden quadrangle; see line 6.)

For additional level lines along State Highways 5 and 80, refer to U.S. Coast and Geodetic Survey second-order lines, Ava, Mo. to Cotter, Ark. and West Plains to Gainesville.

FIELDEN QUADRANGLE
(Latitude $36^{\circ}45' - 37^{\circ}00'$; longitude $92^{\circ}15' - 92^{\circ}30'$)

Douglas and Ozark Counties



1. FROM MIDDLE OF NORTH HALF OF EAST BORDER OF QUADRANGLE SOUTH-
WEST TO WEST BORDER (by C. E. Reick in 1932)
(Continued from Topaz quadrangle; see line 1.)

	<u>Feet</u>
T. 26 N., R. 12 W., near quarter cor. between secs. 15 and 16, in root of 24-in. oak tree; copper nail	1,178.34
(For balance in Topaz quadrangle, see line 1.)	
Holtville, about 0.2 mi. NE. of, in SE $\frac{1}{4}$ sec. 27, T. 26 N., R. 12 W., 10 ft. NW. of rd., in root of 20-in. oak tree; copper nail	1,134.52
Victory School, 1 mi. E. of, in sec. 28, T. 26 N., R. 12 W., S. of rd. forks, in root of 20-in. oak tree; copper nail	1,190.02
Buckhart, 2.7 mi. NE. of, in SW $\frac{1}{4}$ sec. 29, T. 26 N., R. 12 W., 23 ft. S. of rd., 77 ft. N. of NW. corner of Victory School, in line with W. face, in concrete post; standard tablet stamped "T T 77 B 1932"	1,059.589
Reference mark, 40 ft. SE. of tablet, in root of 24-in. oak tree; copper nail	1,056.27
Buckhart, about 1.6 mi. NE. of, in sec. 30, T. 26 N., R. 12 W., 30 ft. SW. of rd. forks, in root of 20-in. oak tree; copper nail	930.70
Buckhart, 0.5 mi. NE. of, 10 ft. NW. of rd., on ledge; chiseled circle	889.40
Buckhart, near center of E $\frac{1}{2}$ sec. 36, T. 26 N., R. 13 W., 16 ft. N. and 22 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T 78 B 1932"	875.630
Reference mark, 500 ft. SE. of tablet, on ledge; chiseled square	880.15
Buckhart, 1 mi. SE. of, in sec. 1, T. 25 N., R. 13 W., 50 ft. S. of rd. forks, on large boulder; chiseled square	860.13
Buckhart, about 2 mi. S. of, in NW $\frac{1}{4}$ sec. 12, T. 25 N., R. 13 W., 23 ft. E. of rd., 11 ft. N. and 30 ft. W. from dwelling of John Ousley, in concrete post; standard tablet stamped "T T 79 B 1932"	821.629
Reference mark, 250 ft. SW. of tablet, in root of 30-in. oak tree; copper nail	821.50
Buckhart, 3.4 mi. SW. of, on W. side of rd., in root of triangular-blazed 15-in. dogwood tree; copper nail	790.78
Gentryville, 1.3 mi. SE. of, on SW. abutment of bridge over Brush Creek; chiseled square	790.04
Gentryville, in NE $\frac{1}{4}$ sec. 10, T. 25 N., R. 13 W., 40 ft. S. and 80 ft. E. from junction of State Highway 14 and County Route D, 45 ft. NE. of highway, in concrete post; standard tablet stamped "T T 80 B 1932"	1,111.592
Reference mark, 420 ft. S. of tablet, in root of 20-in. oak tree; copper nail	1,112.16
Gentryville, 1.2 mi. S. of, in sec. 15, T. 25 N., R. 13 W., 50 ft. S. of rd. fork E., on E. side of rd., in root of 20-in. oak tree; copper nail	1,008.83
Gentryville, about 2 mi. SW. of, in sec. 16, T. 25 N., R. 13 W., 200 ft. W. of cabin, on S. side of rd., on ledge; chiseled square	894.07
Bertha, 40 ft. S. and 60 ft. E. from SE. corner of post office, 19 ft. S. of fence corner, in concrete post; standard tablet stamped "T T 81 B 1932"	758.534
Reference mark, 160 ft. SE. of tablet, in root of 20-in. oak tree; copper nail	759.56
Bertha, 1.2 mi. S. of, 200 ft. S. of bridge over Bryant Creek, in root of 20-in. sycamore tree; copper nail	727.36
Bertha, 2 mi. SW. of, 200 ft. S. of schoolhouse, 10 ft. E. of rd., on ledge; chiseled square	840.02
Rockbridge, 1.9 mi. N. of, in sec. 31, T. 25 N., R. 13 W., in triangle formed by rd. forks, in root of 24-in. oak tree; copper nail	1,020.58
Rockbridge, 1.3 mi. NE. of, 25 ft. W. of rd., about 10 ft. N. of Douglas-Ozark county line, 11 ft. N. 70° W. of triangular-blazed 36-in. white-oak tree, in concrete post; standard tablet stamped "T T 82 B 1932"	1,006.143
Reference mark, 10 ft. SE. of tablet, in root of 36-in. oak tree; copper nail	1,005.98

	<u>Feet</u>
Rockbridge, 0.3 mi. E. of, 30 ft. S. of rd. forks, on ledge; chiseled square	763.50
Rockbridge, 0.8 mi. SW. of, 100 ft. W. of ford, on N. side of rd., in root of 20-in. oak tree; copper nail	785.09
Rockbridge, 1.8 mi. SW. of, at curve, on N. side of rd., on ledge; chiseled square	820.63
Rockbridge, 2.8 mi. W. of, on rd. to Almartha, 55 ft. S. and 36 ft. W. from SW. corner of dwelling of Herman Kemper, in corner of garden, in concrete post; standard tablet stamped "T T 83 B 1932"	864.612
Reference mark, 15 ft. SW. of tablet, in root of hickory tree; copper nail	862.97
Almartha, 3.4 mi. NE. of, 200 ft. W. of schoolhouse, 50 ft. E. of rd., in root of 50-in. sycamore tree; copper nail	851.79
Almartha, 2.6 mi. NE. of, 80 ft. S. of rd. fork W., at edge of rd., in root of 20-in. oak tree; copper nail	918.90
Almartha, 1.8 mi. E. of, 20 ft. N. of rd., 81 ft. S. of SW. corner of dwelling of J. C. Bennett, 3 ft. E. of line of W. face, in concrete post; standard tablet stamped "T T 84 B 1932"	957.146
Reference mark, 10 ft. E. of tablet, in root of twin oak tree; copper nail	956.48

(Continued in Ava quadrangle; see line 4.)

2. FROM MIDDLE OF WEST BORDER OF QUADRANGLE EAST ALONG STATE HIGHWAY 14 TO GENTRYVILLE

(Continued from Ava quadrangle; see line 2.)

Sweden, 2.4 mi. E. of, along State Highway 14, 35 ft. S. of highway, at end of long tangent W., in root of 20-in. oak tree; copper nail	1,066.36
Sweden, 3.3 mi. E. of, along State Highway 14, on top of guard rail at NW. corner of bridge over Bryant Creek; chiseled square	815.25
Sweden, 4.2 mi. E. of, along State Highway 14, 1 mi. E. of Bryant Creek, 150 ft. E. of highway at crossroad, on N. head wall of concrete culvert; chiseled square	858.82
Sweden, 5.3 mi. E. of, along State Highway 14, 2 mi. E. of Bryant Creek, 300 ft. NE. of store, 40 ft. N. of highway, in ledge; standard tablet stamped "15 R 1932"	1,111.513
Reference mark, 20 ft. SW. of tablet, on top of small concrete post; chiseled square	1,108.21
Gentryville, 5.5 mi. W. of, along State Highway 14, near summit of ridge between Bryant Creek and Fox Creek, on N. head wall of concrete culvert; chiseled square	1,207.84
Gentryville, 4.6 mi. W. of, along State Highway 14, 80 ft. NE. of highway at rd. N., in root of 20-in. pine tree; copper nail	1,237.32
Gentryville, 3.5 mi. W. of, along State Highway 14, 2.2 mi. W. of Fox Creek, 30 ft. NE. of highway at rd. NE., 25 ft. N. of highway, in ledge; standard tablet stamped "T T 43 C 1933"	1,138.220
Gentryville, 2.5 mi. W. of, along State Highway 14, 1.2 mi. W. of Fox Creek, 20 ft. N. of highway at rd. S., on top of concrete post; chiseled square	1,040.13
Gentryville, 1.3 mi. W. of, along State Highway 14, on SW. abutment of concrete bridge over Fox Creek; chiseled square	795.28

3. EAST ALONG NORTH BORDER OF QUADRANGLE (by B. A. Barnes in 1935)

(Continued from Ava quadrangle; see line 5.)

Brushyknob, 0.6 mi. W. of, along Bashier-Brushyknob rd., 100 ft. S. and 300 ft. E. from E. sixteenth cor. between secs. 5 and 8, T. 26 N., R. 14 W., 30 ft. E. of rd., 9 ft. N. of triangular-blazed 10-in. hickory tree, in yard of Ed. Morgan, in concrete post; standard tablet stamped "T T 12 C 1934"	916.845
Brushyknob, 51 ft. S. of SW. corner of porch of post office building, 18 ft. S. of Bashier-Brushyknob rd., in root of 14-in. white-oak tree; copper nail and washer	851.99
T. 26 N., R. 14 W., in SE $\frac{1}{4}$ sec. 3, 250 ft. E. of group of mail boxes, opposite rd. fork SE., 17 ft. N. of Brushyknob-Coldspring rd., in root of leaning 22-in. white-oak tree; copper nail and washer	1,248.00
T. 26 N., R. 14 W., in SW $\frac{1}{4}$ sec. 2, 11.5 mi. S. of Norwood, along County Route C, 22 ft. E. of highway, 29 ft. S. of NW--SE. crossroad, 5 ft. S. of triangular-blazed 24-in. black-oak tree, in concrete post; standard tablet stamped "T T 10 C 1934"	1,257.795
Coldspring, 500 ft. W. of, in NW $\frac{1}{4}$ sec. 1, T. 26 N., R. 14 W., 18 ft. S. of Coldspring-Denlow rd., 21 ft. E. of rd. fork S., in root of 18-in. black-oak tree; copper nail and washer	1,028.27
Coldspring, about 1.2 mi. N. and 1 mi. E. from, in NW $\frac{1}{4}$ sec. 31, T. 27 N., R. 13 W., 77 ft. S. of Coldspring-Denlow rd., 35 ft. NW. of dwelling of A. Rich, in root of 13-in. white-oak tree; copper nail and washer	1,110.40
Coldspring, 1.2 mi. N. and 1.5 mi. E. from, 15 ft. S. and 805 ft. E. from approximate quarter cor. between secs. 30 and 31, T. 27 N., R. 13 W., 15 ft. S. and 10 ft. W. from rd. corner N. to E. and fence S., 15 ft. S. and 20 ft. W. from rd. at fence N., in concrete post; standard tablet stamped "1382 E R A 1935"	1,287.311
Denlow, about 0.8 mi. NW. of, in NE $\frac{1}{4}$ sec. 32, T. 27 N., R. 13 W., near top of hill, 17 ft. S. and 9 ft. E. from Coldspring-Denlow rd. at rd. E., at mail box of J. C. Pennington, in root of 22-in. black-oak tree; copper nail and washer	1,198.76
Denlow, near W. sixteenth cor. sec. 33, T. 27 N., R. 13 W., 15 ft. N. of Denlow-Vanzant rd., 12 ft. S. of old mill, on limestone ledge; chiseled square	962.27

	<u>Feet</u>
Denlow, 0.5 mi. S. and 0.8 mi. E. from, about 0.2 mi. E. of N. cor. secs. 3 and 4, T. 26 N., R. 13 W., 25 ft. N. and 50 ft. W. from NW. corner of dwelling, 10 ft. W. of blazed 15-in. oak tree, in concrete post; standard tablet stamped "1383 E R A 1935"	1,046.167
Denlow, about 0.7 mi. S. and 1.8 mi. E. from, in NW $\frac{1}{4}$ sec. 2, T. 26 N., R. 13 W., 33 ft. S. of Denlow-Vanzant rd., 13 ft. W. of junction of rd. S., in root of 17-in. hickory tree; copper nail and washer	1,106.68
Vanzant, 0.5 mi. S. and 1.5 mi. W. from, 130 ft. N. and 150 ft. W. from center of SE $\frac{1}{4}$ sec. 2, T. 26 N., R. 13 W., 75 ft. S. and 90 ft. W. from rd. forks, 20 ft. N. of blazed 24-in. tree, on property of Sarah Hopper, in concrete post; standard tablet stamped "1384 E R A 1935"	1,187.271
Vanzant, 0.5 mi. W. of, in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T. 26 N., R. 13 W., 7 ft. S. of Denlow-Vanzant rd., 19 ft. W. of junction of dim rd. NW., in root of 15-in. white-oak tree; copper nail and washer	1,271.41
Vanzant, in center of NW $\frac{1}{4}$ sec. 6, T. 26 N., R. 12 W., 150 ft. N. of post office, 23 ft. N. and 33 ft. W. from County Route D at E.-W. crossroad, in corner of field, in concrete post; standard tablet stamped "T T 3 C 1934"	1,177.272
Vanzant, about 1.2 mi. E. of, along Topaz-Vanzant rd., in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 26 N., R. 12 W., opposite dwelling, 10 ft. S. of rd., in root of 24-in. white-oak tree; copper nail and washer	1,168.59
Vanzant, about 2.2 mi. E. of, along Topaz-Vanzant rd., in NW $\frac{1}{4}$ sec. 4, T. 26 N., R. 12 W., 280 ft. N. of NW. corner of dwelling of J. R. Coble, 29 ft. S. of rd., in NW. corner of yard, in root of 14-in. black-oak tree; copper nail and washer	1,058.60
Topaz, 5.4 mi. W. of, along Topaz-Vanzant rd., in center of E $\frac{1}{2}$ sec. 4, T. 26 N., R. 12 W., 380 ft. E. of Prairie Hollow Creek, 25 ft. S. of rd. at curve, 44 ft. E. of triangular-blazed twin oak tree, 6 ft. W. of fence, on land of J. R. Coble, in concrete post; standard tablet stamped "T T 2 C 1934"	1,021.061

(Continued in Topaz quadrangle; see line 2.)

4. FROM POINT ABOUT 1.5 MILES SOUTHWEST OF COLDSRING, SOUTH ALONG COUNTY ROUTE C TO STATE HIGHWAY 14

T. 26 N., R. 14 W., in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, 42 ft. S. and 44 ft. E. from County Route C at rd. E., 36 ft. SW. of mail box of Addie Hickman, in root of 16-in. black-oak tree; copper nail and washer	1,251.78
T. 26 N., R. 14 W., in NW $\frac{1}{4}$ sec. 13, 53 ft. N. and 33 ft. E. from County Route C at rd. E., at fence corner, in root of 18-in. black-oak tree; copper nail and washer	1,243.83
T. 26 N., R. 14 W., in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, 15 mi. S. of Norwood, along County Route C, 28 ft. S. and 32 ft. E. from highway at rd. E., 9 ft. S. and 12 ft. W. from triangular-blazed 12-in. black-oak tree, in concrete post; standard tablet stamped "T T 1 C 1934"	1,219.422
T. 26 N., R. 14 W., in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, 1.5 mi. N. of junction of State Highway 14 and County Route C, 28 ft. E. of highway, 30 ft. S. of rd. E., in root of 13-in. white-oak tree; copper nail and washer	1,268.89
T. 26 N., R. 14 W., in SE $\frac{1}{4}$ sec. 26, 0.5 mi. N. of junction of State Highway 14 and County Route C, 11 ft. N. and 35 ft. E. from highway at crossroad, in root of 12-in. white-oak tree; copper nail and washer	1,130.43

5. FROM ROCKBRIDGE SOUTH TO SOUTH BORDER OF QUADRANGLE

Rockbridge, 1.2 mi. SW. of, in SE $\frac{1}{4}$ sec. 4, T. 24 N., R. 13 W., 125 ft. E. of SE. corner of Lower Brixey School, 36 ft. W. of rd., in root of 25-in. white-oak tree; copper nail and washer	777.48
Brixey, 2 mi. N. of, in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, T. 24 N., R. 13 W., 200 ft. S. of dwelling, 17 ft. W. of rd., in root of 12-in. elm tree; copper nail and washer	815.26
Brixey, 1.2 mi. N. of, in NE $\frac{1}{4}$ sec. 17, T. 24 N., R. 13 W., 34 ft. N. and 77 ft. W. from NW. corner of dwelling of F. S. Mahan, 10 ft. S. and 2 ft. W. from NW. corner of yard, in concrete post; standard tablet stamped "1391 E R A 1935"	828.319
T. 24 N., R. 13 W., in SE $\frac{1}{4}$ sec. 17, 120 ft. SE. of rd. fork W., 60 ft. N. of rd. to Brixey, in root of 34-in. black-oak tree; copper nail and washer	935.84

(Continued in Gainesville quadrangle; see line 11.)

6. NORTH IN SOUTHEAST CORNER OF QUADRANGLE

(Continued from Gainesville quadrangle; see line 12.)

T. 24 N., R. 12 W., S. sixteenth cor. sec. 16, 50 ft. N. and 360 ft. W. from rd. at rail fence N., 30 ft. S. and 35 ft. W. from SW. corner of dwelling of E. C. Parsley, in concrete post; standard tablet stamped "1394 E R A 1935"	961.868
T. 24 N., R. 12 W., in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, 25 ft. N. of dim rd. fork S., 11 ft. E. of rd., in root of 16-in. black-oak tree; copper nail and washer	968.57
T. 24 N., R. 12 W., near center SW $\frac{1}{4}$ sec. 11, 19 ft. N. and 27 ft. E. from T.-rd. E. to Dora, in root of 17-in. black-oak tree; copper nail and washer	913.74
T. 24 N., R. 12 W., 60 ft. S. and 240 ft. E. from W. sixteenth cor. between secs. 3 and 10, 82 ft. S. and 31 ft. E. from dwelling of J. R. Driscoll, in concrete post; standard tablet stamped "1395 E R A 1935"	794.927
T. 24 N., R. 12 W., in NW $\frac{1}{4}$ sec. 3, near Douglas-Ozark county line, at bottom of steep hill, in front of dwelling of Angeline Driscoll, in root of 22-in. walnut tree; copper nail and washer	816.46

T. 25 N., R. 12 W., in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, 150 ft. S. of dwelling of T. J. Freeman, opposite sawmill, in root of 16-in. white-oak tree; copper nail and washer	<u>Feet</u> 989.07
Blanche, 2 mi. E. of, 125 ft. N. and 120 ft. W. from stake at center of E $\frac{1}{2}$ sec. 28, T. 25 N., R. 12 W., 10 ft. S. and 25 ft. W. from junction of rd. S. to Blanche, 10 ft. SE. of triangular-blazed 24-in. black-oak tree, in concrete post; standard tablet stamped "1396 E R A 1935"	1,001.996
Richville, about 2 mi. W. of, in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 25 N., R. 12 W., 53 ft. S. and 20 ft. W. from State Highway 14 at rd. S., in root of 15-in. hickory tree; copper nail and washer	1,113.85
Richville, about 3.1 mi. W. of, in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 25 N., R. 12 W., 52 ft. S. of State Highway 14 at rd. NE., at crest of ridge, in root of 12-in. black-oak tree; copper nail and washer	1,210.60
Richville, 4.2 mi. W. of, 20 ft. N. and 63 ft. E. from State Highway 14 at cross rd., in concrete post; standard tablet stamped "T T 142 B 1932"	1,047.056
Richville, about 5.2 mi. W. of, near S. sixteenth cor. sec. 13, T. 25 N., R. 13 W., 60 ft. N. and 15 ft. E. from State Highway 14 at rd. N., 5 ft. E. of mail box of Ike Riley, in root of 8-in. oak tree; copper nail and washer	1,015.26

7. NEAR MIDDLE OF NORTH HALF OF WEST BORDER OF QUADRANGLE
(Continued from Ava quadrangle; see line 6.)

Vera Cruz, 0.2 mi. W. of, about 175 ft. S. and 390 ft. E. from stone at quarter cor. between secs. 20 and 29, T. 26 N., R. 14 W., 130 ft. S. and 50 ft. W. from Vera Cruz School, 3 ft. N. and 45 ft. E. from rd. at fence E., in concrete post; standard tablet stamped "1386 E R A 1935"	881.606
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(Continued in Ava quadrangle; see line 6.)

8. NEAR MIDDLE OF SOUTH HALF OF EAST BORDER OF QUADRANGLE (by E. J. Noonan in 1936)
(Continued from Topaz quadrangle; see line 4.)

T-rd. N., 35 ft. N. and 20 ft. E. from, 1 ft. S. of corner post; top of 10-in. black-oak stump	1,095.09
State Highway 14 at private rd. to farm, 35 ft. N. of, at gatepost; surface of ground	1,080.4

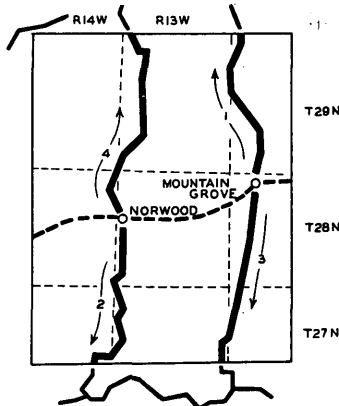
9. IN NORTHWEST CORNER OF QUADRANGLE (by T. G. Drummond in 1936)
(Continued from Macomb quadrangle; see line 2.)

County Route C, 60 ft. W. of, in root on NW. side of 24-in. black-jack-oak tree; crossed nails	1,322.03
Norwood, 10.6 mi. S. of, in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, T. 27 N., R. 14 W., 45 ft. W. of County Route C, in root on E. side of 14-in. black-oak tree; copper nail and washer	1,289.84
County Route C at rd. E., 27 ft. S. and 27 ft. W. from, in root on E. side of small, twin oak tree; crossed nails	1,300.15

10. IN NORTHEAST CORNER OF QUADRANGLE
(Continued from Macomb quadrangle; see line 3.)

County Route D at rd. E., 45 ft. N. and 27 ft. W. from, 15 ft. N. and 18 ft. E. from NE. corner of Prior Church; in root on E. side of 24-in. white-oak tree; crossed nails	1,245.41
Vanzant, 1.4 mi. N. of, in SW $\frac{1}{4}$ sec. 30, T. 27 N., R. 12 W., 50 ft. N. and 80 ft. E. from County Route D at rd. E., in root on W. side of 10-in. hickory tree; copper nail and washer	1,284.78
County Route D at rd. E. and abandoned rd. W., 27 ft. S. and 17 ft. E. from, in root on NW. side of 12-in. black-oak tree; crossed nails	1,229.84

MACOMB QUADRANGLE
(Latitude $37^{\circ}00' - 37^{\circ}15'$; longitude $92^{\circ}15' - 92^{\circ}30'$)
Douglas, Texas, and Wright Counties



1. FROM MOUNTAIN GROVE NORTH ALONG COUNTY ROUTE A TO NORTH BORDER OF QUADRANGLE (by B. A. Barnes in 1935)

	Feet
U.S.C. & G.S. standard disk stamped "K 7 1928"	1,477.025
Mountain Grove, 0.7 mi. N. of St. Louis-San Francisco Ry. sta., along County Route A, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, T. 28 N., R. 12 W., 280 ft. S. of speed-limit sign and junction of rd. W., on S. end of E. head wall of concrete culvert; chiseled square	1,423.21
Mountain Grove, about 1.5 mi. N. of, along County Route A, in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, T. 29 N., R. 12 W., 240 ft. N. of junction of rd. E., N. of main brick building of Missouri Fruit Experiment Station, on S. end of W. head wall of concrete culvert; chiseled square	1,444.98
Mountain Grove, 2.5 mi. N. of, along County Route A, near center of SW $\frac{1}{4}$ sec. 28, T. 29 N., R. 12 W., 15 ft. N. and 15 ft. W. from old rd. W. and lane to property of W. R. Warshaw, 5 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 1196 E R A 1935"	1,481.888
Mountain Grove, about 2.8 mi. N. of, along County Route A, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 28, T. 29 N., R. 12 W., 45 ft. E. of highway at rd. corner, in root of 13-in. white-oak tree; copper nail and washer	1,480.40
Mountain Grove, about 3.6 mi. N. of, along County Route A, near SE. cor. sec. 20, T. 29 N., R. 12 W., 750 ft. S. of rd. N., in shallow depression, on S. end of W. head wall of concrete culvert; chiseled square	1,467.24
Mountain Grove, about 4.9 mi. N. of, along County Route A, at approximate cor. secs. 17, 18, 19, and 20, T. 29 N., R. 12 W., 30 ft. S. of highway, 170 ft. E. of junction of rd. W., in root of 16-in. black-oak tree; copper nail and washer	1,490.99
Mountain Grove, 5.5 mi. N. of, along County Route A, near N. sixteenth cor. between secs. 17 and 18, T. 29 N., R. 12 W., 410 ft. S. and 25 ft. E. from highway at rd. N., 75 ft. NW. corner of dwelling of E. A. Mayfield, 35 ft. N. of NE. corner of yard, in concrete post; standard tablet stamped "T T 1197 E R A 1935"	1,490.424
Mountain Grove, about 6.2 mi. N. of, along County Route A, in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 29 N., R. 12 W., opposite junction of rd. S., 34 ft. E. of highway, in root of 13-in. black-oak tree; copper nail and washer	1,498.71
Mountain Grove, about 7.3 mi. N. of, along County Route A, in SW $\frac{1}{4}$ sec. 6, T. 29 N., R. 12 W., 140 ft. S. of junction of rd. N., 41 ft. E. of highway, in root of 10-in. white-oak tree; copper nail and washer	1,471.03
Mountain Grove, 8.2 mi. N. of, along County Route A, in NW $\frac{1}{4}$ sec. 6, T. 29 N., R. 12 W., 15 ft. S. and 33 ft. E. from highway at rd. W., 320 ft. NW. corner of dwelling of T. C. Weaver, in concrete post; standard tablet stamped "T T 1198 E R A 1935"	1,445.414
Dawson, in NW. cor. sec. 6, T. 29 N., R. 12 W., 40 ft. N. of County Route A, 36 ft. E. of junction of rd. leading to center of village, in root of 12-in. oak tree; copper nail and washer	1,441.37

(Continued in Manes quadrangle; see line 4.)

2. FROM NORWOOD SOUTH ALONG COUNTY ROUTE C TO SOUTH BORDER OF QUADRANGLE (by T. G. Drummond in 1936)

Norwood, 66 ft. N. 56° W. of NW. corner of St. Louis-San Francisco Ry. sta.; iron post stamped "Prim Trav Sta No 41 1913 Mo"	1,495.854
Junction of County Route C and old Mountain Grove-Norwood rd., 35 ft. S. and 75 ft. E. from center of triangle, at N. side of telephone pole; surface of ground	1,495.4
Norwood, 1.6 mi. S. of, along County Route C, 60 ft. N. and 60 ft. W. from junction of rd. E., opposite dwelling of Nova Sear, in root on S. side of 10-in. blackjack-oak tree; copper nail and washer	1,492.66
Dry Creek, 110 ft. N. and 42 ft. E. from center of rd. over, in deep ravine, in root on W. side of 10-in. sycamore tree; crossed nails	1,344.58

	<u>Feet</u>
Norwood, 3 mi. S. of, along County Route C, in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, T. 28 N., R. 14 W., 35 ft. W. of highway, 60 ft. S. and 55 ft. E. from SE. corner of small stucco dwelling, in corner of field, in concrete post; standard tablet stamped "T T 7 C 1934"	1,422.603
Norwood, 4.1 mi. S. of, along County Route C, in NE $\frac{1}{4}$ sec. 1, T. 27 N., R. 14 W., about 0.3 mi. S. of Douglas-Wright county line, 75 ft. W. of highway at cross rd., in root on E. side of 36-in. post-oak tree; copper nail and washer	1,427.82
County Route C at crossroad and abandoned rd. N., 90 ft. N. and 20 ft. E. from, 400 ft. N. of church building, in root on E. side of 16-in. black-oak tree; crossed nails	1,425.80
Norwood, about 5 mi. S. of, along County Route C, 0.2 mi. S. of cor. secs. 1, 6, 7, and 12, T. 27 N., Rs. 13 and 14 W., 165 ft. S. and 220 ft. W. from highway at rd. E. and private lane W., in root on SE. side of 36-in. post-oak tree; copper nail and washer	1,411.72
Norwood, 6 mi. S. of, along County Route C, in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 27 N., R. 13 W., 82 ft. S. of junction of rd. W., 22 ft. E. of highway, in front yard of stucco dwelling, in concrete post; standard tablet stamped "T T 8 C 1934"	1,359.768
Junction of rd. S., 24 ft. N. and 40 ft. W. from, on N. side of private entrance to farm of W. A. Filers, at E. side of 10-in. oak gatepost; surface of ground	1,350.39
Norwood, about 7 mi. S. of, along County Route C, in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 27 N., R. 14 W., 15 ft. S. and 65 ft. W. from highway at rd. W., in root on SE. side of 10-in. black-oak tree; copper nail and washer	1,321.59
Junction of rd. SE., 65 ft. E. of, in root on N. side of 12-in. black-oak tree; crossed nails	1,345.53
Norwood, 9 mi. S. of, along County Route C, in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23, T. 27 N., R. 14 W., 205 ft. N. of fence on sec. line, 34 ft. N. of highway, 15 ft. S. and 15 ft. E. from SE. corner of dwelling of F. L. Thorpe, in concrete post; standard tablet stamped "T T 9 C 1934"	1,361.881

(Continued in Fielden quadrangle; see line 9.)

3. FROM MOUNTAIN GROVE SOUTH ALONG COUNTY ROUTE D TO SOUTH BORDER OF QUADRANGLE

Mountain Grove, 0.2 mi. E. of St. Louis-San Francisco Ry. sta., 50 ft. S. and 25 ft. E. from R.R. at street crossing, 4 ft. from fence corner; iron post stamped "Prim Trav Sta No 42 1913 Mo"	1,464.880
Mountain Grove, near S. limits of, 50 ft. N. and 18 ft. W. from crossroads; top of fire hydrant	1,492.56
Junction of rd. S., 20 ft. S. and 12 ft. W. from, 10 ft. N. of E. stucco gatepost marked "J. A. Wheeler's Stock Farm", on head wall of concrete pipe culvert; chiseled square	1,488.06
Mountain Grove, about 1 mi. S. of, along County Route D, near center sec. 17, T. 28 N., R. 12 W., in valley, 15 ft. W. of highway, on N. end of W. curb wall of concrete bridge; chiseled square	1,447.00
Junction of crossroad, 40 ft. S. and 75 ft. W. from, on NE. corner of concrete porch of Sunny Slope School; chiseled square	1,550.29
Mountain Grove, 2.3 mi. S. of, along County Route D, 9.3 mi. N. of Vanzant, at center of S $\frac{1}{2}$ sec. 20, T. 28 N., R. 12 W., 35 ft. W. of highway, 25 ft. N. of rd. W., in corner of field, in concrete post; standard tablet stamped "T T 6 C 1934"	1,553.831
Junction of crossroad, 15 ft. S. and 60 ft. W. from, in root on E. side of 24-in. black-oak tree; crossed nails	1,568.64
Vanzant, about 7.1 mi. N. of, along County Route D, in NW $\frac{1}{4}$ sec. 32, T. 28 N., R. 12 W., 40 ft. E. of highway, in root on W. side of 10-in. white-oak tree; copper nail and washer	1,505.78
Junction of crossroad, 200 ft. N. and 45 ft. E. from, 50 ft. W. of County Route D, in root on E. side of 30-in. black-oak tree; crossed nails	1,468.72
Vanzant, 6.1 mi. N. of, along County Route D, at center of W $\frac{1}{2}$ sec. 6, T. 27 N., R. 12 W., 34 ft. W. of highway, 32 ft. N. of private drive, 78 ft. NE. of NE. corner of small dwelling, in concrete post; standard tablet stamped "T T 5 C 1934"	1,426.447
Junction of rd. E., 15 ft. S. and 35 ft. E. from, at SW. side of 10-in. corner fence post; surface of ground	1,405.6
Vanzant, about 5 mi. N. of, along County Route D, at approximate center sec. 7, T. 27 N., R. 12 W., 35 ft. W. of rd., opposite dwelling of J. Allsman, in root on W. side of 18-in. black-oak tree; copper nail and washer	1,378.37
Junction of rd. E., 42 ft. N. and 18 ft. E. from, opposite store building, in root on W. side of 12-in. black-oak tree; crossed nails	1,310.15
Vanzant, about 4 mi. N. of, along County Route D, near center sec. 18, T. 27 N., R. 12 W., 45 ft. S. and 30 ft. E. from junction of rd. S., 50 ft. E. of rd., in root on N. side of 6-in. black-jack-oak tree; copper nail and washer	1,264.20
Junction of rd. N., 66 ft. S. and 15 ft. E. from, 75 ft. SW. of dwelling, in root on NE. side of 10-in. cedar tree; copper nail and washer	1,265.02
Vanzant, 2.9 mi. N. of, along County Route D, at center of W $\frac{1}{2}$ sec. 19, T. 27 N., R. 12 W., 36 ft. W. of highway, 40 ft. N. of rd. W., 42 ft. NE. of triangular-blazed 24-in. white-oak tree, in corner of field, in concrete post; standard tablet stamped "T T 4 C 1934"	1,263.491

(Continued in Fielden quadrangle; see line 10.)

4. FROM NORWOOD NORTH ALONG COUNTY ROUTE E TO NORTH BORDER OF QUADRANGLE

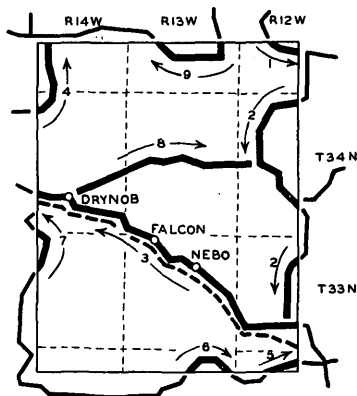
	<u>Feet</u>
Junction of U.S. Highway 60 and County Route E, 40 ft. S. and 10 ft. E. from, at W. side of 8-in. gatepost; surface of ground	1,467.4
Norwood, 1.2 mi. N. of, along County Route E, 90 ft. N. and 42 ft. W. from highway at crossroad, at dwelling of J. O. Garrison, on SE. corner of concrete step of front porch; (mark not described)	1,482.36
Norwood, about 2.1 mi. N. of, along County Route E, about 600 ft. S. of quarter cor. between secs. 1 and 12, T. 28 N., R. 14 W., 60 ft. S. and 21 ft. E. from highway at crossroad, in root on S. side of triple-pear tree; copper nail and washer	1,478.94
Junction of crossroad, 12 ft. N. and 36 ft. E. from, at S. side of 12-in. corner fence post; surface of ground	1,480.8
Norwood, about 3.2 mi. N. of, along County Route E, 0.2 mi. W. of cor. Tps. 28 and 29 N., Rs. 13 and 14 W., 20 ft. N. and 43 ft. E. from highway at fences N. and S., 4 ft. S. and 31 ft. E. from highway at fences E. and W., in concrete post; standard tablet stamped "1915 E R A 1935"	1,476.846
Norwood, about 4.5 mi. N. of, along County Route E, at W. sixteenth cor. between secs. 30 and 31, T. 29 N., R. 13 W., 33 ft. S. and 18 ft. W. from highway at rd. S. and lane N., in root on NW. side of 10-in. post-oak tree; copper nail and washer	1,478.76
Crossroads Store, about 1.3 mi. S. of, along County Route E, about 400 ft. W. of approximate quarter cor. between secs. 29 and 30, T. 29 N., R. 13 W., 40 ft. S. and 33 ft. E. from highway at rd. E., in root on N. side of 10-in. hickory tree; copper nail and washer	1,463.69
Crossroads Store, about 0.5 mi. S. of, along County Route E, S. sixteenth cor. between secs. 19 and 20, T. 29 N., R. 13 W., 137 ft. S. and 27 ft. E. from highway at fences E. and W., 14 ft. S. and 58 ft. W. from SW. corner of dwelling of Earl Barnett, in concrete post; standard tablet stamped "1916 E R A 1935"	1,479.356
Crossroads Store, N. sixteenth cor. between secs. 19 and 20, T. 29 N., R. 13 W., 50 ft. S. and 45 ft. E. from County Route E at crossroad, on NW. corner of concrete foundation of gasoline pump; chiseled square	1,440.01
Cascade, 1.4 mi. S. of, along County Route E, in NE $\frac{1}{4}$ sec. 18, T. 29 N., R. 13 W., 42 ft. E. of highway at rd. N., in root on S. side of 6-in. oak tree; copper nail and washer	1,418.55
Junction of rds. S. and W., 50 ft. S. and 45 ft. W. from, in front yard of small dwelling, in root on NW. side of 16-in. post-oak tree; crossed nails	1,388.84
Cascade, in NW $\frac{1}{4}$ sec. 7, T. 29 N., R. 13 W., 26 ft. N. and 39 ft. W. from County Route E at crossroad, 2 ft. N. and 3 ft. E. from SE. corner of store of Goolsby and Smith, in concrete post; standard tablet stamped "1917 E R A 1935"	1,320.516
Junction of cross rd., 11 ft. S. and 45 ft. E. from, at corner of fence, in root on NW. side of 5-in. oak tree; crossed nails	1,375.92
Cascade, 1.1 mi. N. of, along County Route E, 90 ft. N. and 100 ft. W. from highway at rd. W., 3 ft. W. of right-of-way fence, in root on NE. side of 18-in. white-oak tree; copper nail and washer	1,371.61
Junction of dim rd. W., 10 ft. S. and 15 ft. W. from, on top of S. end of 12-in. pipe culvert; painted square	1,376.36
Cascade, 1.8 mi. N. of, along County Route E, 9 ft. S. and 15 ft. E. from T-rd. E. to highway, on curve about 200 ft. N. of highway, in root on SW. side of 24-in. post-oak tree; copper nail and washer	1,375.43

(Continued in Manes quadrangle; see line 5.)

For an additional level line along St. Louis-San Francisco Ry., refer to U.S. Coast and Geodetic Survey first-order line, Monett, Mo. to Memphis, Tenn.

DRYNOB QUADRANGLE
(Latitude 37°30'–37°45'; longitude 92°15'–92°30')

Laclede and Pulaski Counties



1. IN NORTHEAST CORNER OF QUADRANGLE (by W. R. Broadus in 1925)
(Continued from Richland quadrangle; see line 2.)

Hanna, 2.1 mi. NW. of, in NW $\frac{1}{4}$ sec. 21, T. 35 N., R. 12 W., at foot of hill, 15 ft. N. of rd., in root on N. side of 30-in. post-oak tree; copper nail and washer	<u>Feet</u> 997.19
Hanna, 1.5 mi. NW. of, in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 35 N., R. 12 W., 50 ft. SW. of dwelling of James Nichols, 17 ft. N. of rd., in concrete post; standard tablet stamped "25 B 1925 Mo"	909.450
Reference mark, 158 ft. E. of tablet, in root on W. side of 36-in. post-oak tree; copper nail and washer	913.65

(Continued in Big Piney quadrangle; see line 1.)

2. SOUTH ALONG EAST BORDER OF QUADRANGLE (by George W. Moore in 1931)
(Continued from Big Piney quadrangle; see line 2.)

Hanna, 4.7 mi. S. of, near center sec. 4, T. 34 N., R. 12 W., 30 ft. SE. of rd., in root on SW. side of 18-in. oak tree; copper nail and washer	1,137.39
Hanna, 5.8 mi. SW. of, in S $\frac{1}{2}$ sec. 5, T. 34 N., R. 12 W., on SW. corner of top step at entrance to Fairview School; standard tablet stamped "72 M 1931"	1,205.124
Reference mark, on SE. corner of lower step at entrance to schoolhouse; chiseled square	1,203.96
Hanna, 6.1 mi. SW. of, in S $\frac{1}{2}$ sec. 5, T. 34 N., R. 12 W., 35 ft. N. of T-rd. W., on boulder; chiseled square	1,274.67
Hanna, 6.3 mi. SW. of, in S $\frac{1}{2}$ sec. 5, T. 34 N., R. 12 W., 60 ft. SW. of T-rd. W., in root on SW. side of 12-in. oak tree; copper nail and washer	1,231.30
Hanna, 7.3 mi. SW. of, near E. sixteenth cor. sec. 8, T. 34 N., R. 12 W., at NE. edge of rd., in root on SW. side of 18-in. oak tree; copper nail and washer	1,151.42
Hanna, 8 mi. SW. of, in SE $\frac{1}{4}$ sec. 8, T. 34 N., R. 12 W., 65 ft. SW. of T-rd. SW., at N. edge of rd., in top of large rock; standard tablet stamped "73 M 1931"	1,172.844
Reference mark, 50 ft. NE. of tablet, in root on E. side of blazed 9-in. oak tree; copper nail and washer	1,172.51
Greenview, 0.9 mi. N. of, near center sec. 16, T. 34 N., R. 12 W., 60 ft. E. of rd. corner from W.-S., in root on SW. side of 24-in. oak tree; copper nail and washer	1,193.32
Greenview, 0.7 mi. S. of, in N $\frac{1}{2}$ sec. 21, T. 34 N., R. 12 W., opposite dwelling of W. H. Doyle, at W. edge of rd., in root on SE. side of 13-in. oak tree; copper nail and washer	1,237.96
Greenview, 1.3 mi. S. of, near center sec. 21, T. 34 N., R. 12 W., 26 ft. N. and 70 ft. W. from rd. forks, opposite dwelling of George Carroll, in concrete post; standard tablet stamped "74 M 1931"	1,283.412
Reference mark, 20 ft. S. and 50 ft. E. from T-rd. E., in root on S. side of 24-in. oak tree; copper nail and washer	1,283.36
Greenview, 1.7 mi. S. of, in NE $\frac{1}{4}$ sec. 28, T. 34 N., R. 12 W., 55 ft. S. of rd. fork SE., 25 ft. E. of N.-S. rd., in root on W. side of 12-in. hickory tree; copper nail and washer	1,153.25
Greenview, 2 mi. S. of, near center sec. 28, T. 34 N., R. 12 W., 20 ft. S. and 16 ft. W. from T-rd. E., 10 ft. N. and 16 ft. W. from fence corner, in root on N. side of 14-in. oak tree; copper nail and washer	1,167.95
Greenview, 2.5 mi. S. of, near SE. cor. sec. 28, T. 34 N., R. 12 W., opposite T-rd. NE., at W. edge of rd., in root on SW. side of 9-in. oak tree; copper nail and washer	1,251.01
Greenview, 3.2 mi. S. of, near center sec. 33, T. 34 N., R. 12 W., 30 ft. S. of gate at E. edge of rd., in root on W. side of 14-in. oak tree; copper nail and washer	1,253.44

Greenview, 3.8 mi. S. of, in SW $\frac{1}{4}$ sec. 33, T. 34 N., R. 12 W., 32 ft. N. and 125 ft. E. from T-rd. NE., opposite Cook dwelling, in concrete post; standard tablet stamped "75 M 1931"	Feet
Reference mark, 38 ft. N. and 152 ft. E. from T-rd. NE., in root on NW. side of 6-in. oak tree; copper nail and washer	1,272.845
	1,272.51

(For balance in Big Piney quadrangle, see line 2.)

Cedar Bluff School, 1 mi. SW. of, near center of NE $\frac{1}{4}$ sec. 16, T. 33 N., R. 12 W., 130 ft. ... and 15 ft. W. from rd. corner E-S., in root on NW. side of 6-in. oak tree; copper nail and washer	1,141.28
Cedar Bluff Church, in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 33 N., R. 12 W., 7 ft. S. and 3 ft. E. from E. corner of church, 15 ft. W. of rd., in root on NE. side of 9-in. hickory tree; copper nail and washer	1,132.55
Cedar Bluff Church, 0.2 mi. S. of, in SE $\frac{1}{4}$ sec. 16, T. 33 N., R. 12 W., 40 ft. W. of T-rd. N., in root on E. side of 10-in. oak tree; copper nail and washer	1,049.54
Cedar Bluff Church, 0.6 mi. SW. of, in SW $\frac{1}{4}$ sec. 16, T. 33 N., R. 12 W., 16 ft. S. and 60 ft. W. from T-rd. S., in root on N. side of 14-in. oak tree; copper nail and washer	1,054.03
T. 33 N., R. 12 W., near center of SE $\frac{1}{4}$ sec. 21, 180 ft. N. of gate, at E. edge of rd., in root on SW. side of 16-in. oak tree; copper nail and washer	1,170.06

3. FROM SOUTHEAST CORNER OF QUADRANGLE NORTHWEST TO MIDDLE OF WEST BORDER

Plato, 4 mi. NW. of, about 425 ft. S. of quarter cor. between secs. 27 and 28, T. 33 N., R. 12 W., 20 ft. E. of rd. forks, 10 ft. N. of rd. S. and W., 20 ft. SE. of mail box of F. L. Cook, in concrete post; standard tablet stamped "77 M 1931"	1,145.546
Reference mark, 40 ft. N. and 18 ft. W. from tablet, in root on S. side of 8-in. oak tree; copper nail and washer	1,144.79
Plato, 5 mi. NW. of, in W $\frac{1}{2}$ sec. 28, T. 33 N., R. 12 W., at S. edge of rd., in root on N. side of 12-in. oak tree; copper nail and washer	1,326.21
Plato, 5.8 mi. NW. of, near center of SW $\frac{1}{4}$ sec. 29, T. 33 N., R. 12 W., 22 ft. S. of rd., in root on S. side of 10-in. tree; copper nail and washer	1,335.29
Plato, 6.2 mi. NW. of, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 33 N., R. 12 W., 50 ft. S. and 28 ft. E. from T-rd. S., in root on SW. side of 18-in. oak tree; copper nail and washer	1,260.51
Nebo, about 3.6 mi. SE. of, in SE $\frac{1}{4}$ sec. 30, T. 33 N., R. 12 W., 40 ft. NW. of T-rd. N., in root on W. side of twin oak tree; copper nail and washer	1,189.13
Nebo, 3.1 mi. SE. of, in NW $\frac{1}{4}$ sec. 30, T. 33 N., R. 12 W., 0.4 mi. NW. of Pine Creek Baptist Church, 112 ft. N. and 16 ft. E. from T-rd. E., 9 ft. N. and 16 ft. E. from rd. corner S-W., 10 ft. S. of fence corner, in concrete post; standard tablet stamped "78 M 1931"	1,217.212
Reference mark, 22 ft. S. and 6 ft. E. from tablet, in root on SW. side of 20-in. wild cherry tree; copper nail and washer	1,216.95
Nebo, 2.7 mi. SE. of, near cor. secs. 19, 24, 25, and 30, T. 33 N., R. 12 and 13 W., 30 ft. N. and 30 ft. W. from T-rd. N., in root of tree; copper nail and washer	1,191.32
Nebo, 1.9 mi. SE. of, in E $\frac{1}{2}$ sec. 24, T. 33 N., R. 13 W., opposite private drive to dwelling of W. M. Matthews, at S. edge of rd., in root on N. side of 12-in. oak tree; copper nail and washer	1,143.74
Nebo, 1.4 mi. SE. of, in NW $\frac{1}{4}$ sec. 24, T. 33 N., R. 13 W., 80 ft. NE. of ford, on S. bank of stream, at N. edge of rd., in root on SW. side of 30-in. oak tree; copper nail and washer	1,041.18
Nebo, 0.8 mi. SE. of, near line between secs. 13 and 14, T. 33 N., R. 13 W., 30 ft. S. of rd., in root on NE. side of 16-in. oak tree; copper nail and washer	1,018.91
Nebo, in NW $\frac{1}{4}$ sec. 14, T. 33 N., R. 13 W., 450 ft. E. of post office, 15 ft. S. and 19 ft. W. from crossroads, 10 ft. S. of fence corner, in concrete post; standard tablet stamped "79 M 1931"	994.358
Reference mark, 54 ft. NE. of tablet, in root on SE. side of 8-in. oak tree; copper nail and washer	993.06
Nebo, 0.6 mi. NW. of, in NE. cor. sec. 15, T. 33 N., R. 13 W., at top of hill, 20 ft. W. of rd. forks, in root on SW. side of 20-in. oak tree; copper nail and washer	1,132.07
Nebo, 1.3 mi. NW. of, in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, T. 33 N., R. 13 W., 30 ft. NW. of wooden bridge, at W. edge of rd., in root on E. side of twin oak tree; copper nail and washer	995.73
Nebo, about 1.7 mi. NW. of, in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, T. 33 N., R. 13 W., 0.9 mi. SE. of Casey ford across Gasconade River, 170 ft. N. of rd., 30 ft. W. of N-S. fence, in root on SE. side of 18-in. oak tree; nail and washer	1,018.03
Casey ford across Gasconade River, in N $\frac{1}{2}$ sec. 9, T. 33 N., R. 13 W., 30 ft. S. of rd., at edge of water, in root on S. side of 7-in. sycamore tree; copper nail and washer	945.98
Casey ford across Gasconade River, 1.4 mi. SE. of Falcon, in N $\frac{1}{2}$ sec. 9, T. 33 N., R. 13 W., 90 ft. W. of edge of water, in root on N. side of 22-in. oak tree; copper nail and washer	949.86
Falcon, 0.4 mi. S. of, in E $\frac{1}{2}$ sec. 5, T. 33 N., R. 13 W., 45 ft. S. and 15 ft. E. of junction of T-rd. SE., in root on S. side of 22-in. oak tree; copper nail and washer	1,057.28
Falcon, in NE. cor. sec. 5, T. 33 N., R. 13 W., 80 ft. W. of post office, 50 ft. S. and 30 ft. W. from rd. corner S-W., 20 ft. S. of fence corner, in concrete post; standard tablet stamped "80 M 1931"	1,157.471
Reference mark, 50 ft. N. of rd. corner S-W., 24 ft. N. and 15 ft. E. from fence corner, in root on W. side of 18-in. oak tree; copper nail and washer	1,147.84

	Feet
Falcon, 0.4 mi. NW. of, in SE $\frac{1}{4}$ sec. 32, T. 34 N., R. 13 W., 120 ft. W. of rd. fork N., at SW. edge of rd., in root on SE. side of 20-in. oak tree; copper nail and washer	1,153.16
Falcon, 0.5 mi. NW. of, in S $\frac{1}{2}$ sec. 32, T. 34 N., R. 13 W., 55 ft. N. and 30 ft. E. from T-rd. N., in root on E. side of 8-in. oak tree; copper nail and washer	1,154.55
Falcon, 1.1 mi. NW. of, near S. sixteenth cor. between secs. 31 and 32, T. 34 N., R. 13 W., 20 ft. S. and 150 ft. W. from T-rd. S., in root on N. side of 20-in. oak tree; copper nail and washer	1,267.79
Falcon, 2 mi. NW. of, near quarter cor. between secs. 31 and 36, T. 34 N., Rs. 13 and 14 W., 230 ft. E. of rd. corner E.-N., 15 ft. N. and 30 ft. E. from T-rd. S., in root on SE. side of 10-in. oak tree; copper nail and washer	1,119.52
Falcon, 2.5 mi. NW. of, near cor. secs. 25, 30, 31, and 36, T. 34 N., Rs. 13 and 14 W., 430 ft. N. of T-rd. E., 21 ft. N. and 35 ft. W. from T-rd. W., 20 ft. N. of rd. corner S.-W., in fence corner, in concrete post; standard tablet stamped "81 M 1931"	1,175.491
Reference mark, 27 ft. NE. of tablet, in root on W. side of 14-in. oak tree; copper nail and washer	1,173.47
N. edge of rd., in root on S. side of 12-in. oak tree; bolt and nut	1,197.53
Falcon, 3.6 mi. NW. of, in SE $\frac{1}{4}$ sec. 26, T. 34 N., R. 14 W., 380 ft. E. of T-rd. N., near Nurse School, at N. edge of rd., in root on S. side of 12-in. oak tree; copper nail and washer	1,171.96
Falcon, 4.4 mi. NW. of, near S. sixteenth cor. sec. 26, T. 34 N., R. 14 W., 100 ft. E. of drain, at N. edge of rd., in root on S. side of 10-in. oak tree; copper nail and washer	1,039.64
Falcon, 4.8 mi. NW. of, in SW $\frac{1}{4}$ sec. 26, T. 34 N., R. 14 W., 80 ft. W. of T-rd. NE., at S. edge of rd., in root on N. side of 7-in. oak tree; copper nail and washer	1,045.18
Falcon, 5.2 mi. NW. of, in NE $\frac{1}{4}$ sec. 27, T. 34 N., R. 14 W., 120 ft. E. of T-rd., on SW. wing wall of wooden bridge over Hawkins Branch; chiseled square	941.85
Falcon, 5.4 mi. NW. of, in NE $\frac{1}{4}$ sec. 27, T. 34 N., R. 14 W., on N. bank of Osage Fork, 110 ft. E. of N. abutment of bridge, in root on S. side of 12-in. oak tree; copper nail and washer	946.39
Drynob, in SE $\frac{1}{4}$ sec. 22, T. 34 N., R. 14 W., 100 ft. E., thence 23 ft. SE. from T-rd. SE., in concrete post; standard tablet stamped "82 M 1931"	1,053.190
Reference mark, 20 ft. W. of T-rd. SE., at N. edge of rd., in root on SW. side of 17-in. oak tree; copper nail and washer	1,052.07
T. 34 N., R. 14 W., in S $\frac{1}{2}$ sec. 22, 475 ft. NE. of schoolhouse, 35 ft. N. of rd. fork S. at NW. edge of rd., in root on SE. side of 14-in. oak tree; copper nail and washer	1,126.40
T. 34 N., R. 14 W., in NE $\frac{1}{4}$ sec. 28, 20 ft. N. and 90 ft. W. from wooden bridge over Cobb Creek, near fence corner, in root on NW. side of 24-in. walnut tree; copper nail and washer	940.40
T. 34 N., R. 14 W., quarter cor. between secs. 21 and 28, 180 ft. N. of T-rd. W., on top of W. head wall of concrete culvert; chiseled square	951.76
T. 34 N., R. 14 W., in SW $\frac{1}{4}$ sec. 21, 30 ft. E. of rd. fork NE., in root on N. side of 12-in. oak tree; copper nail and washer	977.76
T. 34 N., R. 14 W., in SE $\frac{1}{4}$ sec. 20, 30 ft. E. of T-rd. SE., in root on NE. side of 12-in. oak tree; copper nail and washer	1,086.73

(Continued in Lebanon quadrangle; see line 3.)

4. IN NORTHWEST CORNER OF QUADRANGLE

(Continued from Lebanon quadrangle; see line 3.)

Abo, 1.9 mi. W. of, in N. part of S $\frac{1}{2}$ sec. 5, T. 34 N., R. 14 W., 19 ft. N. and 40 ft. W. from T-rd. W., in fence line, in root on S. side of 14-in. oak tree; copper nail and washer	1,017.38
Abo, 1.4 mi. W. of, near center sec. 5, T. 34 N., R. 14 W., 200 ft. N. of main ford across Osage Fork, 40 ft. N. and 22 ft. E. from T-rd. W., in root on NW. side of 19-in. walnut tree; copper nail and washer	893.81
Abo, 1.4 mi. W. of, near center sec. 5, T. 34 N., R. 14 W., on N. bank of Osage Fork, in triangle formed by rd. forks, in root on SW. side of 12-in. oak tree; copper nail and washer	888.69
T. 34 N., R. 14 W., in NE $\frac{1}{4}$ sec. 5, 5 ft. N. and 10 ft. W. from T-rd. W., in triangle formed by rd. forks, in root on SW. side of 38-in. oak tree; copper nail and washer	952.33
T. 35 N., R. 14 W., near S. cor. secs. 32 and 33, 85 ft. E. of rd. corner W.-N., in root on S. side of 12-in. oak tree; copper nail and washer	958.80
T. 35 N., R. 14 W., near S. sixteenth cor. between secs. 32 and 33, 25 ft. N. and 30 ft. W. from T-rd. NW., in root on E. side of 13-in. oak tree; copper nail and washer	1,007.20
T. 35 N., R. 14 W., near quarter cor. between secs. 32 and 33, 160 ft. W. of crossroads, 30 ft. N. and 50 ft. W. from T-rd. N., 1 ft. S. and 6 ft. E. from fence corner, in concrete post; standard tablet stamped "86 M 1931"	1,048.572
Reference mark, 20 ft. N. and 80 ft. E. from tablet, 75 ft. W. of crossroads, in triangle formed by rd. forks, in root on NE. side of 12-in. oak tree; copper nail and washer	1,045.33
T. 35 N., R. 14 W., near S. sixteenth cor. between secs. 28 and 29, 50 ft. NW. of cemetery gate, 28 ft. S. and 30 ft. W. from crossroads, in triangle formed by rd. forks, in root on SE. side of 27-in. oak tree; copper nail and washer	1,043.69
T. 35 N., R. 14 W., near S. cor. secs. 20 and 21, 32 ft. N. of junction of rd. NW. and rd. S., 40 ft. W. of rd. N., in root on W. side of 14-in. oak tree; copper nail and washer	1,018.49

(Continued in Richland quadrangle; see line 3.)

5. IN SOUTHEAST CORNER OF QUADRANGLE (by E. W. Couchenour in 1931)
(Continued from Manes quadrangle; see line 2.)

Plato, 1.8 mi. SW. of, on Mountain Grove-Plato rd., 1.2 mi. NE. of Sycamore School, 25 ft. S. of rd., 3 ft. S. of fence, in root on E. side of 20-in. black-oak tree; copper nail and washer	<u>Feet</u> 1,199.45
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(Continued in Big Piney quadrangle; see line 3.)

6. EAST ALONG EAST PART OF SOUTH BORDER OF QUADRANGLE (by Cornish Beck in 1935)
(Continued from Manes quadrangle; see line 3.)

T. 32 N., R. 13 W., near E. sixteenth cor. between secs. 3 and 10, 16 ft. S. and 48 ft. E. from rd. at fences N. and S., 33 ft. N. and 10 ft. W. from NW. corner of dwelling of Albert Blaine, 2 ft. N. of yard fence, in concrete post; standard tablet stamped "1284 E R A 1935"	1,145.182
T. 32 N., R. 13 W., near quarter cor. between secs. 2 and 11, 40 ft. S. and 27 ft. W. from center of triangle formed by T-rd. N., 3 ft. S. of fence, in root on W. side of 12-in. locust tree; copper nail and washer	1,126.63
T. 32 N., R. 12 W., in NW $\frac{1}{4}$ sec. 12, 5 ft. N. and 25 ft. E. from rd. forks, in root on S. side of 26-in. post-oak tree; copper nail and washer	1,258.99

(Continued in Manes quadrangle; see line 3.)

7. NORTH NEAR MIDDLE OF WEST BORDER OF QUADRANGLE
(Continued from Lebanon quadrangle; see line 5.)

T. 33 N., R. 14 W., in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 8, 42 ft. W. of rd., 94 ft. S. and 35 ft. E. from SE. corner of dwelling of George Cosse, in concrete post; standard tablet stamped "1294 E R A 1935"	996.476
Reference mark, 20 ft. S. and 65 ft. E. from tablet, in root on SW. side of 30-in. post-oak tree; copper nail and washer	994.58
T. 33 N., R. 14 W., near N. sixteenth cor. sec. 8, about 360 ft. N. of rd. corner E.-N., 18 ft. E. of rd., in fence line, in root on W. side of 26-in. white-oak tree; copper nail and washer	1,125.91
Tps. 33 and 34 N., R. 14 W., at approximate quarter cor. between secs. 5 and 32, 22 ft. N. and 22 ft. W. from T-rd. E. and abandoned rd. W., 3 ft. E. of fence corner, in concrete post; standard tablet stamped "1295 E R A 1935"	1,098.432
Reference mark, 80 ft. S. and 30 ft. E. from tablet, in root on SW. side of 30-in. post-oak tree; copper nail and washer	1,097.34
T. 34 N., R. 14 W., in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 32, 20 ft. S. and 30 ft. W. from rd. forks, in root on NE. side of 18-in. post-oak tree; copper nail and washer	1,045.52

(Continued in Lebanon quadrangle; see line 5.)

8. FROM DRYNOB EAST TO POINT NEAR EAST BORDER OF QUADRANGLE

T. 34 N., R. 14 W., in NW $\frac{1}{4}$ sec. 23, about 50 ft. S. of Bean Creek, 42 ft. N. of blazed elm tree, 28 ft. N. of rd., in root on E. side of 34-in. water-oak tree; copper nail and washer	938.03
T. 34 N., R. 14 W., in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, near top of hill, 10 ft. N. of rd., in root on S. side of 36-in. black-oak tree; copper nail and washer	1,108.39
Drynob, 2.5 mi. NE. of, in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 34 N., R. 14 W., 20 ft. N. and 57 ft. W. from junction of rd. N., 95 ft. S. and 180 ft. W. from dwelling of Joe Randolph, 4 ft. N. of fence, in concrete post; standard tablet stamped "1286 E R A 1935"	1,136.137
Reference mark, 380 ft. N. of tablet, 15 ft. W. of fence, in root on SW. side of 36-in. black-oak tree; copper nail and washer	1,139.01
T. 34 N., R. 13 W., in NW $\frac{1}{4}$ sec. 18, 25 ft. S. of Davis Ford rd., 10 ft. N. of dim rd. fork SW., in root on NE. side of 20-in. post-oak tree; copper nail and washer	1,218.42
T. 34 N., R. 13 W., in SE $\frac{1}{4}$ sec. 7, 7 ft. S. and 35 ft. W. from Davis Ford rd. at abandoned rd. S., on head wall of concrete culvert; chiseled square	1,163.18
T. 34 N., R. 13 W., near W. sixteenth cor. between secs. 9 and 16, 25 ft. S. and 27 ft. E. from T-rd. S., in root on NW. side of 9-in. black-oak tree; copper nail and washer	1,228.06
T. 34 N., R. 13 W., in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 16, 35 ft. E. of rd. at trail E., 6 ft. S. and 30 ft. E. from rd. at fence S., 1 ft. W. of large boulder, in concrete post; standard tablet stamped "1287 E R A 1935"	1,217.416
T. 34 N., R. 13 W., in NE $\frac{1}{4}$ sec. 14, 97 ft. SE. of curve in rd., 35 ft. N. and 112 ft. W. from NE. corner of dwelling of Henry Meeth, 2 ft. W. of garden fence, in concrete post; standard tablet stamped "1288 E R A 1935"	961.372
T. 34 N., R. 13 W., in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, on E. side of ford across Gasconade River, 25 ft. S. of rd., in root on N. side of 28-in. white-oak tree; copper nail and washer	920.31
T. 34 N., R. 13 W., in NE $\frac{1}{4}$ sec. 13, at foot of large hill, 80 ft. S. of curve in rd. at private rd. S., in root on E. side of 16-in. post-oak tree; copper nail and washer	923.84
T. 34 N., R. 12 W., in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, about 150 ft. NE. of Bench dwelling, 10 ft. N. of rd., in root on S. side of 30-in. post-oak tree; copper nail and washer	1,110.98

Reference mark 1, 25 ft. S. and 90 ft. E. from tablet, 45 ft. S. and 20 ft. E. from rd. crossing, in E. side of telegraph pole 185.10; spike	1,255.27
Reference mark 2, 410 ft. NNE. of tablet, on top of E. head wall of concrete culvert; chiseled square	1,254.62
Lebanon, 2.7 mi. SW. of, along St. Louis-San Francisco Ry., in NW $\frac{1}{4}$ sec. 21, T. 34 N., R. 16 W., on W. side of track, on top of NE. corner of concrete base of semaphore 1845; chiseled square	1,233.59
Lebanon, 2.1 mi. SW. of, along St. Louis-San Francisco Ry., in SE $\frac{1}{4}$ sec. 16, T. 34 N., R. 16 W., 658 ft. S. of rd. crossing, on top of E. parapet wall of S. concrete abutment of wooden bridge 183.8; chiseled square	1,217.47
Lebanon, 1.3 mi. SW. of, along St. Louis-San Francisco Ry., in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 34 N., R. 16 W., on top at S. end of W. head wall of concrete culvert; chiseled square	1,237.67
Lebanon, 0.4 mi. SW. of, along St. Louis-San Francisco Ry., 110 ft. N. of crossroads, on W. side of track, on NW. corner of concrete base of automatic switch box; chiseled square	1,253.53
Lebanon, 285 ft. SW. of St. Louis-San Francisco Ry. sta., on W. side of tracks, 5 ft. E. of Commercial Hotel, in concrete sidewalk; standard tablet stamped "114 M 1931"	1,265.240
Reference mark, 285 ft. NE. of tablet, at St. Louis-San Francisco Ry. sta., on top of N. corner of concrete brace to semaphore; chiseled square	1,265.95
Lebanon, 0.4 mi. NE. of St. Louis-San Francisco Ry. sta., near quarter cor. between secs. 2 and 11, T. 34 N., R. 16 W., NE. of rd. crossing, on top of E. end of S. head wall of concrete culvert; chiseled square	1,239.68
Lebanon, 1.1 mi. NE. of, along St. Louis-San Francisco Ry., on SE. side of track, at semaphore 1802, on NW. side of concrete battery well; chiseled square	1,222.80
Lebanon, 2.1 mi. NE. of, along St. Louis-San Francisco Ry., on SE. side of track, at semaphore 1792, on NW. side of concrete battery well; chiseled square	1,220.33
Lebanon, 2.3 mi. NE. of, along St. Louis-San Francisco Ry., 280 ft. N. and 45 ft. W. from fence corner, 115 ft. E. of T-rd. E., in top of N. end of W. head wall of concrete culvert; standard tablet stamped "117 M 1931"	1,208.869
Reference mark, 30 ft. N. and 15 ft. W. from tablet, on top of S. end of E. head wall of bridge; chiseled square	1,209.22
Lebanon, 3.1 mi. NE. of, along St. Louis-San Francisco Ry., 70 ft. S. of rd. crossing, on E. side of track, at semaphore 1782, on top of W. side of concrete battery well; chiseled square	1,227.14
Lebanon, 4.1 mi. NE. of, along St. Louis-San Francisco Ry., about 0.2 mi. SW. of rd. crossing, on SE. side of track, at semaphore 1772, on top of NW. side of concrete battery well; chiseled square	1,213.05
Lebanon, 4.3 mi. NE. of, along St. Louis-San Francisco Ry., 50 ft. S. and 50 ft. E. from rd. crossing, in pasture, in root on W. side of 10-in. oak tree; copper nail and washer	1,204.21
Lebanon, 4.5 mi. NE. of, along St. Louis-San Francisco Ry., on top of N. end of E. head wall of concrete bridge; chiseled square	1,195.77
Carroll Junction, along St. Louis-San Francisco Ry., 110 ft. N. and 30 ft. E. from large gate, 5 ft. E. of fence, in concrete post; standard tablet stamped "118 M 1931"	1,232.379
Reference mark, 460 ft. N. 20° E. of tablet, 570 ft. N. of rd. crossing, on E. side of track, on SE. corner of concrete base of semaphore; chiseled square	1,232.64

(Continued in Stoutland quadrangle; see line 2.)

2. NORTH ALONG NORTH HALF OF WEST BORDER OF QUADRANGLE

Lebanon, 4.5 mi. S. and 4 mi. W. from, cor. Tps. 33 and 34 N., Rs. 16 and 17 W., 140 ft. N. and 30 ft. W. from crossroads, at SE. edge of wood, in root on NE. side of 14-in. oak tree; copper nail and washer	1,346.89
Lebanon, 3.5 mi. S. and 4 mi. W. from, cor. secs. 25, 30, 31, and 36, T. 34 N., Rs. 16 and 17 W., 140 ft. N. and 20 ft. W. from T-rd. E., 30 ft. N. and 20 ft. W. from T-rd. W., in root on E. side of 8-in. oak tree; copper nail and washer	1,322.03
Lebanon, 2.5 mi. S. and 4 mi. W. from, cor. secs. 19, 24, 25, and 30, T. 34 N., Rs. 16 and 17 W., 220 ft. S. of fence E., 95 ft. N. and 25 ft. E. from crossroads, in concrete post; standard tablet stamped "121 M 1931"	1,300.357
Reference mark, 25 ft. S. and 20 ft. E. from tablet, 70 ft. N. and 45 ft. E. from crossroads, in root on SW. side of 7-in. oak tree; copper nail and washer	1,299.00
Lebanon, 1.5 mi. S. and 4 mi. W. from, cor. secs. 13, 18, 19, and 24, T. 34 N., Rs. 16 and 17 W., 50 ft. N. and 17 ft. W. from T-rd. E., 45 ft. S. and 17 ft. W. from T-rd. W., in root on NW. side of 12-in. oak tree; copper nail and washer	1,277.78
Lebanon, 0.5 mi. S. and 4 mi. W. from, cor. secs. 7, 12, 13, and 18, T. 34 N., Rs. 16 and 17 W., 210 ft. N. and 160 ft. W. from T-rd. E., 120 ft. N. and 160 ft. W. from T-rd. W., at High Prairie School, on SE. corner of concrete platform; chiseled square	1,285.89
Lebanon, 4 mi. W. of, quarter cor. between secs. 7 and 12, T. 34 N., Rs. 16 and 17 W., 78 ft. S. and 18 ft. W. from T-rd. W., 18 ft. W. of T-rd. E., inside of fence, in concrete post; standard tablet stamped "122 M 1931"	1,262.520
Reference mark, 43 ft. S. and 33 ft. E. from tablet, SE. of T-rd. E., 22 ft. S. of fence corner, in fence line, in root on NW. side of 10-in. wild cherry tree; copper nail and washer	1,261.00
T. 34 N., Rs. 16 and 17 W., quarter cor. between secs. 1 and 6, 50 ft. S. and 20 ft. E. from State Highway 64 at crossroad, 70 ft. N. of abandoned T-rd. E., in root on E. side of N. trunk of twin oak tree; copper nail and washer	1,258.44

T. 34 N., Rs. 16 and 17 W., on line between secs. 1 and 6, 70 ft. S. and 85 ft. E. from T-rd. N., 40 ft. S. and 11 ft. E. from T-rd. S., in root on W. side of 14-in. oak tree; copper nail and washer	<u>Feet</u> 1,260.03
T. 34 N., Rs. 16 and 17 W., on line between secs. 1 and 6, 8 ft. S. and 20 ft. W. from T-rd. W., in root on NE. side of 4-in. post-oak tree; copper nail and washer	1,244.61
T. 34 N., Rs. 16 and 17 W., N. cor. secs. 1 and 6, 30 ft. S. and 45 ft. E. from T-rd. S., in field, in root on N. side of 11-in. hickory tree; copper nail and washer	1,237.03
T. 35 N., R. 16 W., 440 ft. E. of S. cor. secs. 31 and 32, 16 ft. S. of rd. on township line, 6 ft. N. of fence, near ditch; iron post stamped "Prim Trav Sta No 29 1913 Mo"	1,198.426
Reference mark, 25 ft. N. and 25 ft. W. from T-rd. N., in yard, in root on N. side of 15-in. oak tree; copper nail and washer	1,216.73
T. 35 N., R. 16 W., cor. secs. 29, 30, 31, and 32, 85 ft. N. and 40 ft. W. from T-rd. W., in field, in root on E. side of 18-in. oak tree; copper nail and washer	1,225.72
T. 35 N., R. 16 W., quarter cor. between secs. 29 and 30, 210 ft. S. and 20 ft. W. from T-rd. E., in NE. corner of yard, in root on E. side of 24-in. oak tree; copper nail and washer	1,205.08
T. 35 N., R. 16 W., near cor. secs. 19, 20, 29, and 30, 150 ft. N. and 20 ft. E. from T-rd. W., in root on SE. side of 12-in. oak tree; copper nail and washer	1,204.36

(Continued in Stoutland quadrangle; see line 4.)

3. FROM MIDDLE OF EAST BORDER OF QUADRANGLE NORTHWEST, THENCE EAST TO EAST BORDER

(Continued from Drynob quadrangle; see line 3.)

T. 34 N., R. 14 W., in SW $\frac{1}{4}$ sec. 20, 37 ft. N. of T-rd. SW., 6 ft. W. of oak tree, in concrete post; standard tablet stamped "83 M 1931"	1,179.932
Reference mark, 36 ft. W. of tablet, in root on SE. side of 8-in. oak tree; copper nail and washer	1,177.60
T. 34 N., R. 14 W., near center of NW $\frac{1}{4}$ sec. 19, 25 ft. N. of rd. forks, 60 ft. W. of gate, in root on S. side of 10-in. oak tree; copper nail and washer	1,174.52
T. 34 N., R. 15 W., near NE. cor. sec. 24, 80 ft. N. of rd. fork W., in root on S. side of 9-in. oak tree; copper nail and washer	1,204.72
T. 34 N., R. 15 W., in NE $\frac{1}{4}$ sec. 13, on N. bank of creek, 25 ft. E. of rd., in yard of T. V. Thomas, in root on W. side of 24-in. cottonwood tree; copper nail and washer	1,094.22
T. 34 N., R. 15 W., quarter cor. between secs. 12 and 13, 39 ft. S. of T-rd. N., 1 ft. S. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "84 M 1931"	1,151.366
T. 34 N., R. 15 W., in NE $\frac{1}{4}$ sec. 12, 50 ft. N. and 30 ft. W. from dim T-rd., in root on S. side of 15-in. oak tree; copper nail and washer	1,134.47
T. 34 N., R. 15 W., near NW. cor. sec. 12, 30 ft. SW. of crossroads, in root on E. side of 22-in. oak tree; copper nail and washer	1,170.36
T. 34 N., R. 15 W., near NW. cor. sec. 12, 30 ft. SE. of T-rd. SE., in root on E. side of 16-in. hickory tree; copper nail and washer	1,161.85
T. 34 N., R. 15 W., probable S. sixteenth cor. between secs. 1 and 2, 140 ft. W. of rd. fork SE., 290 ft. W. of gate, at N. edge of rd., in root on S. side of 23-in. oak tree; copper nail and washer	1,044.50
T. 34 N., R. 15 W., near probable quarter cor. between secs. 1 and 2, opposite abandoned T-rd. NW., S. of rd., at fence corner, in root on N. side of 14-in. elm tree; copper nail and washer	1,041.86
Abo, 3.6 mi. W. of, in E $\frac{1}{2}$ sec. 1, T. 34 N., R. 15 W., 30 ft. N. and 21 ft. E. from junction of private rd. N., in root on SW. side of 12-in. oak tree; copper nail and washer	1,031.03
Abo, 3.2 mi. W., in NW $\frac{1}{4}$ sec. 6, T. 34 N., R. 14 W., 90 ft. W. of abandoned T-rd. SW., 25 ft. N. and 11 ft. W. from junction of private rd. N. to dwelling, in concrete post; standard tablet stamped "85 M 1931"	1,029.889
Reference mark, 70 ft. NE. of tablet, in farmyard, in root on SW. side of 12-in. oak tree; copper nail and washer	1,029.36
Abo, 2.6 mi. W. of, near center of E $\frac{1}{2}$ sec. 6, T. 34 N., R. 14 W., 15 ft. S. and 8 ft. W. from T-rd. N. to abandoned Roe post office, 55 ft. S. and 10 ft. E. from fence corner, in root on W. side of 18-in. oak tree; copper nail and washer	979.00
Abo, 2.4 mi. W. of, in E $\frac{1}{2}$ sec. 6, T. 34 N., R. 14 W., on top of N. wing wall of E. concrete abutment of wooden bridge over creek; chiseled square	922.41

(Continued in Drynob quadrangle; see line 4.)

4. EAST ALONG SOUTH BORDER OF QUADRANGLE (by Cornish Beck in 1935)
(Continued from Long Lane quadrangle; see line 5.)

Morgan, 3.3 mi. W. of, approximate W. sixteenth cor. between secs. 6 and 7, T. 32 N., R. 16 W., 27 ft. N. and 23 ft. E. from crossroads, 48 ft. S. and 77 ft. E. from SE. corner of stucco dwelling of Ed. Savage, 8 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "1276 E R A 1935"	1,331.886
Morgan, about 2.3 mi. W. of, near W. sixteenth cor. between secs. 5 and 8, T. 32 N., R. 16 W., 40 ft. N. and 20 ft. E. from gate to barnyard of L. C. Mace, 25 ft. N. of rd. at fence S., in root on S. side of 30-in. white-oak tree; copper nail and washer	1,335.44

	<u>Feet</u>
Morgan, about 1.3 mi. W. of, near W. sixteenth cor. between secs. 4 and 9, T. 32 N., R. 16 W., 100 ft. N. and 150 ft. W. from dwelling, 21 ft. N. of rd., in root on S. side of 32-in. white-oak tree; copper nail and washer	1,271.66
Morgan, at quarter cor. between secs. 3 and 10, T. 32 N., R. 16 W., 25 ft. S. and 23 ft. W. from crossroads, 210 ft. N. and 46 ft. E. from NE. corner of Lutheran Church, 4 ft. S. and 4 ft. W. from fence corner, in concrete post; standard tablet stamped "1277 E R A 1935"	1,252.316
Morgan, 1 mi. E. of, near quarter cor. between secs. 2 and 11, T. 32 N., R. 16 W., 4 ft. N. and 18 ft. W. from corner of fences S. and W., 15 ft. S. of rd., in root on N. side of 26-in. water-oak tree; copper nail and washer	1,276.87
Morgan, about 1.7 mi. E. of, about 0.3 mi. E. of cor. secs. 1, 2, 11, and 12, T. 32 N., R. 16 W., 25 ft. E. of old State Highway 5 at rd. W. to Conway, in root on SW. side of 26-in. blackjack-oak tree; copper nail and washer	1,282.87

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

T. 32 N., R. 15 W., in NW $\frac{1}{4}$ sec. 11, about 500 ft. SE. of dwelling, 400 ft. SE. of rd. fork E., 280 ft. SE. of rd. fork S., in fence line, in root on W. side of 2 $\frac{1}{2}$ -in. white-oak tree; copper nail and washer	1,121.69
Orla, 2.5 mi. S. of, at center of E $\frac{1}{2}$ sec. 11, T. 32 N., R. 15 W., 213 ft. N. and 64 ft. W. from T-rd. W., 42 ft. N. and 92 ft. E. from NE. corner of Gardner School, in concrete post; standard tablet stamped "1280 E R A 1935"	1,246.941
T. 32 N., R. 15 W., near center of SE $\frac{1}{4}$ sec. 2, 18 ft. S. and 18 ft. W. from crossroads, in root on NE. side of 22-in. post-oak tree; copper nail and washer	1,133.85
T. 32 N., R. 15 W., near center of SE $\frac{1}{4}$ sec. 1, at top of hill, 7 ft. S. and 50 ft. E. from T-fence S., 20 ft. S. of rd., in root on N. side of triple 8-in. hickory tree; copper nail and washer	1,161.60
T. 32 N., R. 14 W., near quarter cor. between secs. 6 and 7, 25 ft. N. and 25 ft. W. from T-rd. W., in root on S. side of 12-in. post-oak tree; copper nail and washer	1,224.83

(Continued in Grovespring quadrangle; see line 4.)

5. NORTH ALONG SOUTH HALF OF EAST BORDER OF QUADRANGLE

Tps. 32 and 33 N., R. 14 W., near W. sixteenth cor. between secs. 6 and 31, 33 ft. S. of T-rd. SE., in root on S. side of 24-in. post-oak tree; copper nail and washer	1,208.60
T. 33 N., R. 14 W., near N. sixteenth cor. sec. 31, 100 ft. E. of rd. corner at lane W., 12 ft. N. of rd., in root on S. side of 18-in. black-oak tree; copper nail and washer	1,145.69
T. 33 N., R. 14 W., 197 ft. W. of S. sixteenth cor. between secs. 29 and 30, 58 ft. S. and 129 ft. W. from SW. corner of Hough School, 35 ft. W. of N.-S. rd. in line with fence E., in limestone ledge; standard tablet stamped "1293 E R A 1935"	1,187.058
T. 33 N., R. 14 W., near S. sixteenth cor. between secs. 19 and 20, 6 ft. S. and 25 ft. E. from T-rd. W., in root on E. side of 22-in. post-oak tree; copper nail and washer	1,165.19
T. 33 N., R. 14 W., near S. sixteenth cor. between secs. 17 and 18, 20 ft. N. and 4 ft. E. from T-rd. S., in root on S. side of 26-in. post-oak tree; copper nail and washer	1,102.27

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

U.S.C. & G.S. standard disk stamped "U 112 1935"	1,152.071
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6. IN NORTHWEST CORNER OF QUADRANGLE

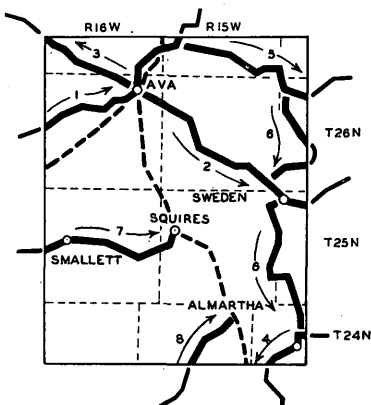
(Continued from Stoutland quadrangle; see line 6.)

T. 35 N., R. 16 W., near quarter cor. between secs. 22 and 27, 18 ft. N. of rd., 4 ft. N. and 8 ft. E. from corner of fences N. and E., in root on S. side of 9-in. post-oak tree; copper nail and washer	1,200.08
T. 35 N., R. 16 W., in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 28, 65 ft. E. of creek, 12 ft. E. of dim rd. at wire gate in N.-S. fence, in root on NW. side of 16-in. walnut tree; copper nail and washer	1,100.09
T. 35 N., R. 16 W., near E. sixteenth cor. between secs. 20 and 29, 26 ft. S. and 25 ft. E. from T-rd. E., 30 ft. N. and 80 ft. E. from log dwelling of W. P. Stidham, in fence corner, in concrete post; standard tablet stamped "1289 E R A 1935"	1,167.304
T. 35 N., R. 16 W., near E. sixteenth cor. between secs. 29 and 32, 18 ft. N. and 75 ft. E. from rd. corner, 1 ft. S. of wire fence, in root on N. side of 9-in. blackjack-oak tree; copper nail and washer	1,200.62

For additional level lines along St. Louis-San Francisco Ry., State Highways 5 and 64, and County Route D, refer to U.S. Coast and Geodetic Survey second-order lines, Springfield to Lebanon, Lebanon to Arlington, Mansfield to Versailles, and Fair Play to Licking.

AVA QUADRANGLE
(Latitude $36^{\circ}45' - 37^{\circ}00'$; longitude $92^{\circ}30' - 92^{\circ}45'$)

Douglas and Ozark Counties



1. FROM WEST BORDER OF QUADRANGLE EAST TO AVA, THENCE NORTH TO NORTH BORDER (by L. V. Johnson in 1931)
(Continued from Bradleyville quadrangle; see line 2.)

	Feet
Ava, 6.6 mi. W. of, 4.4 mi. NE. of Goodhope, 15 ft. S. and 22 ft. E. from T-rd. S., 26 ft. SE. of mail box of C. H. Haynes, 1 ft. NE. of corner fence post, in top of large wooden stake; copper nail and washer	1,118.82
Ava, 6 mi. W. of, 0.2 mi. S. and 0.2 mi. E. from Arno, 55 ft. S. and 25 ft. W. from rd. fork SW., 10 ft. N. and 25 ft. W. from rd. fork SE., in root on N. side of large triangular-blazed oak tree; copper nail and washer	1,079.08
Ava, 5.2 mi. W. of, along rd. to Goodhope, 0.4 mi. N. and 0.2 mi. E. from Arno post office, 28 ft. W. of rd., 17 ft. N. and 10 ft. E. from NE. corner of farmhouse of Mrs. D. M. Phillips, in concrete post; standard tablet stamped "T T 40 B 1931"	1,073.144
Reference mark, 4 ft. E. of tablet, in root on E. side of 10-in. walnut tree; copper nail and washer	1,073.23
Ava, 4.1 mi. W. of, along rd. to Goodhope, at top of large hill, 29 ft. N. of rd., 3 ft. S. and 35 ft. E. from fence corner, in root on S. side of triangular-blazed 15-in. oak tree; copper nail and washer	1,286.61
Ava, 3.1 mi. W. of, along rd. to Goodhope, 160 ft. N. and 45 ft. E. from Lakley School, 20 ft. W. of fence corner, 15 ft. S. of rd., in root on SW. side of 15-in. oak tree; copper nail and washer	1,260.89
Ava, 2.1 mi. W. of, along rd. to Goodhope, at top of hill, 30 ft. S. of rd., 90 ft. N. and 30 ft. E. from NE. corner of dwelling of Jeff Prine, 11 ft. S. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 41 B 1931"	1,271.533
Ava, 1 mi. W. of, along rd. to Goodhope, 23 ft. S. and 160 ft. W. from junction of rd. SW. to Roy, 80 ft. E. of ford across creek, 23 ft. S. of rd., 10 ft. SW. of telephone pole, in root on N. side of triangular-blazed 12-in. oak tree; copper nail and washer	1,188.24
Ava, 32 ft. N. and 26 ft. W. from NW. corner of courthouse, 35 ft. S. and 27 ft. E. from curb lines of courthouse yard, in concrete post; standard tablet stamped "T T 42 B 1931"	1,283.226
Reference mark, 13 ft. W. of tablet, in root on N. side of 12-in. maple tree; copper nail and washer	1,282.92
Ava, 0.6 mi. N. of courthouse, 15 ft. N. and 20 ft. W. from junction of State Highways 5 and 14, on N. rock head wall of concrete culvert; chiseled square	1,281.78
Ava, 1.7 mi. N. of, along State Highway 5, 58 ft. NW. of mail box of Bernie Ritter, 13 ft. N. and 20 ft. W. from highway at dim rd. W., on top of rock head wall of concrete culvert; chiseled square	1,335.26
Ava, 2.5 mi. N. of, along State Highway 5, 15 ft. S. and 15 ft. E. from highway at dim crossroad, 9 ft. NW. of corner fence post, on top of rock head wall of concrete culvert; chiseled square	1,371.84
Ava, 3.1 mi. N. of, along State Highway 5, 400 ft. N. of point where highway reaches summit of ridge, 30 ft. W. of highway, 20 ft. S. of dim rd. NW., 25 ft. S. 54° E. of triangular-blazed 24-in. black-oak tree, in concrete post; standard tablet stamped "T T 43 B 1931"	1,441.500
Reference mark, 23 ft. NW. of tablet, in root on NE. side of triangular-blazed oak tree; copper nail and washer	1,441.46
Ava, 3.1 mi. N., thence 1 mi. E. from, along State Highway 5, 45 ft. SW. of mail box of C. A. Murray, 22 ft. S. of highway at dim rd. fork SW., on rock head wall of concrete culvert; chiseled square	1,456.18

Ava, 3.1 mi. N., thence 2 mi. E. from, along State Highway 5, 55 ft. W. of highway, 30 ft. N. and 55 ft. E. from foot gate at picket fence around mail box of Allen Twitty, in root on W. side of triangular-blazed small oak tree; copper nail and washer

Feet
1,456.63

(Continued in Cedar Gap quadrangle; see line 2.)

2. FROM AVA SOUTHEAST ALONG STATE HIGHWAY 14 TO EAST BORDER OF QUADRANGLE (by C. E. Reick in 1932)

Ava, 1.3 mi. E. of, along State Highway 14, 20 ft. N. of highway, 160 ft. E. of rd. N., in root of 30-in. oak tree; copper nail	1,402.75
Ava, 2 mi. E. of, along State Highway 14, 80 ft. E. of rd. N., on N. side of highway, on ledge; chiseled square	1,245.00
Ava, 2.5 mi. E. of, along State Highway 14, on E. end of N. head wall of large concrete culvert; chiseled square	1,121.80
Ava, 2.9 mi. E. of, along State Highway 14, 0.8 mi. W. of West Liberty School, near SE. cor. sec. 18, T. 26 N., R. 15 W., 300 ft. W. of rd. N., 35 ft. S. of highway, in ledge; standard tablet stamped "11 R 1932"	1,185.588
Reference mark, 840 ft. E. of tablet, in root of 36-in. oak tree; copper nail	1,182.77
Ava, 3.7 mi. E. of, along State Highway 14, 150 ft. N. of West Liberty School, on NE. corner of bridge over Wildcat Creek; chiseled square	1,037.59
Ava, 5 mi. E. of, along State Highway 14, 1.4 mi. E. of Wildcat Creek, 20 ft. N. of highway, in root of 24-in. hickory tree; copper nail	1,134.96
Ava, 6 mi. E. of, along State Highway 14, 2.3 mi. W. of bridge over White Creek, center sec. 28, T. 26 N., R. 15 W., 800 ft. NW. of store, 185 ft. N. of highway, in ledge; standard tablet stamped "12 R 1932"	1,033.903
Reference mark, 280 ft. SW. of tablet, on head wall of concrete culvert; chiseled square	1,028.72
Ava, 6.9 mi. E. of, along State Highway 14, 1.3 mi. W. of bridge over White Creek, on N. head wall of concrete culvert; chiseled square	947.56
Ava, 8.3 mi. E. of, along State Highway 14, 3.6 mi. W. of Sweden post office, on SE. abutment of bridge over White Creek; chiseled square	911.81
Sweden, 3 mi. W. of post office, along State Highway 14, 0.6 mi. E. of White Creek, in NW $\frac{1}{4}$ sec. 35, T. 26 N., R. 15 W., 90 ft. W. of drain, 30 ft. N. of highway, in ledge; standard tablet stamped "13 R 1932"	1,024.389
Reference mark, 250 ft. E. of tablet, on ledge; chiseled square	1,030.01
Sweden, 2.2 mi. W. of post office, along State Highway 14, at top of steep grade W. into White Creek Valley, 50 ft. N. of highway at rd. NE., on top of small concrete post; chiseled square	1,261.02
Sweden, 1.5 mi. W. of post office, along State Highway 14, on N. head wall of concrete culvert; chiseled square	1,223.52
Sweden, 0.7 mi. W. of post office, along State Highway 14, 300 ft. S. of general store of Henry Dye, 30 ft. W. of highway, in root of 30-in. oak tree; copper nail and washer	1,121.99
Sweden, 130 ft. SW. of store at State Highway 14 and crossroad, on S. head wall of concrete culvert; chiseled square	1,158.84
Sweden, 1.4 mi. E. of post office, along State Highway 14, in S $\frac{1}{2}$ sec. 5, T. 25 N., R. 14 W., 110 ft. SE. of highway at crossroad, 35 ft. S. of highway, in boulder; standard tablet stamped "14 R 1932"	1,124.596

(Continued in Fielden quadrangle; see line 2.)

3. FROM AVA NORTHWEST ALONG STATE HIGHWAY 14 TO NORTHWEST CORNER OF QUADRANGLE

Ava, 0.6 mi. N., thence 1 mi. W. from, along State Highway 14, on N. head wall of concrete culvert; chiseled square	1,295.53
Ava, 0.6 mi. N., thence 1.7 mi. W. from, along State Highway 14, 12 ft. N. of highway, in root of 20-in. oak tree; copper nail	1,216.45
Ava, 3 mi. NW. of, along State Highway 14, 0.7 mi. E. of Cowskin River, on N. head wall of large concrete culvert; chiseled square	1,141.63
Tigris, 5.6 mi. E. of, along State Highway 14, 200 ft. E. of Cowskin River, 60 ft. N. of highway, in ledge; standard tablet stamped "17 R 1932"	1,120.826
Reference mark, 300 ft. W. of tablet, on NW. corner of bridge; chiseled square	1,121.00
Tigris, 5.3 mi. E. of, along State Highway 14, near Crossroads School, NW. of highway at crossroad, on head wall of concrete culvert; chiseled square	1,169.81
Tigris, 4.1 mi. E. of, along State Highway 14, E. of highway at rd. W., on S. head wall of concrete culvert; chiseled square	1,249.69
Tigris, 3 mi. E. of, along State Highway 14, on S. side of highway, 120 ft. W. of rd. S., on head wall of concrete culvert; chiseled square	1,244.84

(Continued in Cedar Gap quadrangle; see line 3.)

4. IN SOUTHEAST CORNER OF QUADRANGLE

(Continued from Fielden quadrangle; see line 1.)

Almartha, 0.7 mi. NE. of, 50 ft. NE. of rd. forks, in root of 20-in. oak tree; copper nail	941.67
Almartha, 300 ft. E. of post office, on W. step of church; chiseled square	931.84
Almartha, 1 mi. S. of, 30 ft. SW. of rd. forks, in root of 20-in. oak tree; copper nail	995.03

(Continued in Thornfield quadrangle; see line 3.)

5. EAST ALONG EAST HALF OF NORTH BORDER OF QUADRANGLE (by B. A. Barnes in 1935)

	Feet
Ava, 5 mi. NE. of, in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, T. 27 N., R. 15 W., opposite T-rd. E. to Basher, on S. head wall of stone and concrete culvert; chiseled square	1,437.68
Basher, center of S $\frac{1}{2}$ sec. 29, T. 27 N., R. 15 W., 25 ft. W. of N.-S. rd., 24 ft. N. of E.-W. rd., in corner of field, in concrete post; standard tablet stamped "T T 15 C 1934"	1,342.466
Basher, about 1.6 mi. E. of, along Basher-Brushyknob rd., in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, T. 27 N., R. 15 W., in shallow saddle, 25 ft. S. of rd., in root of 14-in. white-oak tree; copper nail and washer	1,314.05
Basher, 3.3 mi. E. of, along Basher-Brushyknob rd., in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, T. 26 N., R. 15 W., 35 ft. S. and 50 ft. W. from junction of Pea Vine rd., in concrete post; standard tablet stamped "T T 14 C 1934"	1,272.717
Basher, about 4.5 mi. E. of, along Basher-Brushyknob rd., near NE. cor. sec. 2, T. 26 N., R. 15 W., 235 ft. E. of mail box of W. L. Jackson, 145 ft. N. of rd., in root of 23-in. white-oak tree; copper nail and washer	1,131.68
Basher, 6.4 mi. E. of, along Basher-Brushyknob rd., 365 ft. N. and 75 ft. E. from quarter cor. between secs. 1 and 12, T. 26 N., R. 15 W., 17 ft. E. of rd., 7 ft. N. and 13 ft. W. from NW. corner of dwelling of Reed Johnson, 8 ft. W. of triangular-blazed twin walnut tree, in concrete post; standard tablet stamped "T T 13 C 1934"	983.127
Basher, about 7.4 mi. E. of, along Basher-Brushyknob rd., near W. sixteenth cor. sec. 7, T. 26 N., R. 14 W., 155 ft. E. of dwelling, in triangle formed by junction of rd. S., 16 ft. E. of rd. S., 27 ft. S. of E.-W. rd., in root of 18-in. twin oak tree; copper nail and washer	899.29

(Continued in Fielden quadrangle; see line 3.)

6. SOUTH ALONG EAST BORDER OF QUADRANGLE

Vera Cruz, 1.8 mi. N. and 2 mi. W. from, in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 26 N., R. 14 W., 30 ft. N. and 15 ft. W. from T-rd. E., in concrete post; standard tablet stamped "1385 E R A 1935"	1,098.866
Vera Cruz, about 2.1 mi. NW. of, in NE $\frac{1}{4}$ sec. 19, T. 26 N., R. 14 W., 200 ft. NE. of small dwelling, 8 ft. E. of rd., in root of black-oak tree; copper nail and washer	1,077.64
Vera Cruz, about 1.2 mi. NW. of, near W. sixteenth cor. sec. 20, T. 26 N., R. 14 W., near rd. corner from N.-E., at fence corner, in root of 32-in. black-oak tree; copper nail and washer	1,088.74

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

Vera Cruz, about 1.3 mi. SW. of, in SW $\frac{1}{4}$ sec. 29, T. 26 N., R. 14 W., 36 ft. E. of dwelling of Alex Wilson, 42 ft. N. of rd., in root of 8-in. white-oak tree; copper nail and washer	1,121.36
Vera Cruz, about 2.4 mi. SW. of, in SW $\frac{1}{4}$ sec. 30, T. 26 N., R. 14 W., 75 ft. S. of SW. corner of dwelling of Rube Graham, 29 ft. N. of rd., in root of 18-in. white-oak tree; copper nail and washer	1,130.56
Sweden, 1.2 mi. N. and 0.8 mi. W. from, 10 ft. N. and 10 ft. E. from approximate center sec. 36, T. 26 N., R. 15 W., 20 ft. S. and 30 ft. W. from T-rd. S., in NE. corner of peach orchard of C. F. Smith, in concrete post; standard tablet stamped "1387 E R A 1935"	1,166.000
Sweden, 0.5 mi. S. and 0.8 mi. W. from, near center of N $\frac{1}{2}$ sec. 12, T. 25 N., R. 15 W., 30 ft. N. and 25 ft. W. from T-rd. W., on property of Otis Welton, in concrete post; standard tablet stamped "1388 E R A 1935"	1,175.930
Sweden, about 2.2 mi. S. of, near E. sixteenth cor. between secs. 12 and 13, T. 25 N., R. 15 W., 8 ft. E. of Hilo rd., at top of hill, in root of 30-in. white-oak tree; copper nail and washer	1,140.45
Sweden, about 3.2 mi. S. of, near SE. cor. sec. 13, T. 25 N., R. 15 W., in valley, 14 ft. N. of T-rd. S., in root of 14-in. walnut tree; copper nail and washer	918.49
Girdner, 0.2 mi. S. and 3.2 mi. E. from, in SE. cor. sec. 13, T. 25 N., R. 15 W., 400 ft. S. and 20 ft. W. from rd. at S. edge of Rippee Creek, in SE. corner of clearing, 3 ft. W. of fence, in concrete post; standard tablet stamped "1389 E R A 1935"	926.506
Girdner, about 3.5 mi. SE. of, in SW $\frac{1}{4}$ sec. 24, T. 25 N., R. 15 W., on ridge, 62 ft. S. of SE. corner of dwelling of Monroe Strong, at fence corner, in root of 19-in. white-oak tree; copper nail and washer	1,108.42
Girdner, about 4.7 mi. SE. of, near quarter cor. between secs. 25 and 36, T. 25 N., R. 15 W., 20 ft. S. and 18 ft. E. from crossroads, at fence corner, in root of 8-in. oak tree; copper nail and washer	1,294.19
Almartha, about 4 mi. NE. of, near center sec. 30, T. 25 N., R. 14 W., 52 ft. S. of Hilo-Souder rd., 60 ft. E. of junction of rd. NE., in root of 36-in. black-oak tree; copper nail and washer	1,245.07
Almartha, 3 mi. NE. of, near center of E $\frac{1}{2}$ sec. 31, T. 25 N., R. 14 W., 100 ft. W. of rd., 20 ft. S. and 68 ft. E. from SE. corner of dwelling of William Palmer, in concrete post; standard tablet stamped "1390 E R A 1935"	1,254.768
Almartha, about 2.8 mi. NE. of, in SE $\frac{1}{4}$ sec. 31, T. 25 N., R. 14 W., opposite dwelling of Jim Vaughan, 15 ft. W. of rd., in root of 10-in. white-oak tree; copper nail and washer	1,191.07
Almartha, about 1.5 mi. NE. of, in SE $\frac{1}{4}$ sec. 4, T. 24 N., R. 14 W., 18 ft. W. of rd., 8 ft. S. of T-rd. W., in root of 16-in. black-oak tree; copper nail and washer	1,006.23

7. FROM WEST BORDER OF QUADRANGLE EAST TO SQUIRES

(Continued from Bradleyville quadrangle; see line 3.)

	Feet
Smallett, about 1.6 mi. W. of, along Rome-Smallett rd., in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 25 N., R. 16 W., 19 ft. N. and 32 ft. W. from junction of rd. N., in root of 18-in. white-oak tree; copper nail and washer	1,105.04
Smallett, about 0.6 mi. W. of, along Rome-Smallett rd., in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 25 N., R. 16 W., at bottom of long hill, 45 ft. N. of rd., 18 ft. S. of rd. fork NE., in root of 15-in. elm tree; copper nail and washer	1,014.60
Smallett, near center of NE $\frac{1}{4}$ sec. 20, T. 25 N., R. 16 W., 54 ft. S. of E.-W. rd., 78 ft. E. of rd. S., 56 ft. NW. corner of dwelling of Roy Surguine, in fence corner, in concrete post; standard tablet stamped "T 40 C 1933"	1,056.119
Smallett, about 1.2 mi. E. of, along Smallett-Squires rd., in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 25 N., R. 16 W., 45 ft. N. and 8 ft. W. from junction of rd. N. to Ava, in root of 17-in. white-oak tree; copper nail and washer	1,052.24
Smallett, about 2.1 mi. E. of, along Smallett-Squires rd., in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T. 25 N., R. 16 W., 24 ft. N. and 18 ft. E. from junction of rd. N., in root of 18-in. white-oak tree; copper nail and washer	1,121.94
Squires, 3.1 mi. W. of, along Smallett-Squires rd., near quarter cor. between secs. 23 and 26, T. 25 N., R. 16 W., in center of triangle formed by junction of private rd. to farm of Baily Burton, 29 ft. N. of main rd., in concrete post; standard tablet stamped "T 39 C 1933"	1,156.238
Squires, about 2.5 mi. SW. of, along Smallett-Squires rd., near N. sixteenth cor. between secs. 25 and 26, T. 25 N., R. 16 W., 30 ft. N. and 12 ft. W. from junction of rd. N., in root of 19-in. white-oak tree; copper nail and washer	1,312.38
Squires, about 0.8 mi. S. of, along Smallett-Squires rd., in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 25 N., R. 15 W., at top of ridge, 17 ft. W. of rd. at curve, in root of 16-in. black-oak tree; copper nail and washer	1,387.19
U.S.C. & G.S. standard disk stamped "P 63 1934"	1,380.145

8. FROM SOUTH BORDER OF QUADRANGLE NORTH ALONG STATE HIGHWAY 95 TO STATE HIGHWAY 5

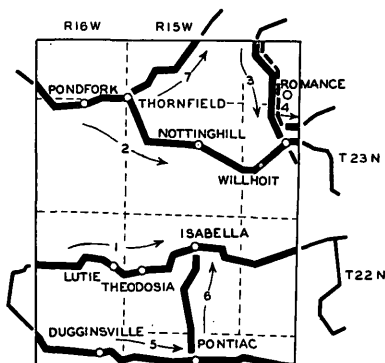
(Continued from Thornfield quadrangle; see line 7.)

Thornfield, 5.3 mi. NE. of, along State Highway 95, in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T. 24 N., R. 15 W., 35 ft. E. of highway, in front of small dwelling, in root of twin, wild cherry tree; copper nail and washer	1,104.22
Thornfield, 6.3 mi. N. of, along State Highway 95, 350 ft. S. and 450 ft. W. from E. sixteenth cor. between secs. 9 and 16, T. 24 N., R. 15 W., 33 ft. W. of highway, 20 ft. N. of dim rd. W., 11 ft. N. of triangular-blazed 14-in. hickory tree, in concrete post; standard tablet stamped "T 34 C 1933"	1,138.215
Thornfield, 7.4 mi. N. of, along State Highway 95, in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, T. 24 N., R. 15 W., 42 ft. S. of rd. W., 41 ft. W. of highway, in root of 21-in. white-oak tree; copper nail and washer	1,137.46
T. 24 N., R. 15 W., 125 ft. N. and 200 ft. W. from N. sixteenth cor. sec. 2, at highest part of triangle formed by junction of State Highways 5 and 95, 127 ft. E. of Highway 95, 80 ft. S. of Highway 5, in concrete post; standard tablet stamped "T 35 C 1933"	1,293.636

For additional level lines along State Highways 78 and 5, refer to U.S. Coast and Geodetic Survey second-order lines, Branson to Mansfield and Ava, Mo. to Cotter, Ark.

THORNFIELD QUADRANGLE.
(Latitude 36°30'–36°45'; longitude 92°30'–92°45')

Ozark County



1. EAST THROUGH CENTER OF SOUTH HALF OF QUADRANGLE (by L. V. Johnson in 1931)

(Continued from Proteem quadrangle; see line 1.)

	Feet
Lutie, 4.5 mi. N. and W. from, along Proteem rd., 24 ft. N. and 37 ft. W. from rd. at dim rd. SW., 450 ft. W. of dwelling of Arch Tabor, 11 ft. N. and 21 ft. W. from fence corner, in limestone boulder; standard tablet stamped "20 J 1931"	969.398
Reference mark, 25 ft. S. and 10 ft. W. from rd. fork SW., at fence corner, in root on NW. side of 15-in. oak tree; copper nail and washer	968.75
Lutie, 3.4 mi. W. of, along Proteem rd., 150 ft. S. of small farmhouse, 55 ft. N. and 21 ft. W. from rd. in front of mail box, in root on S. side of 24-in. oak tree; copper nail and washer	874.86
Lutie, 2.5 mi. W. of, along Proteem rd., 20 ft. N. and 100 ft. W. from junction of rd. N., 23 ft. N. and 12 ft. W. from mail box of J. B. Haskin, in fence line, in root on S. side of 18-in. oak tree; copper nail and washer	800.14
Lutie, 1.5 mi. NW. of, along Proteem rd., at quarter cor. between secs. 14 and 15, T. 22 N., R. 16 W., 21 ft. N. and 46 ft. W. from junction of rd. N., in concrete post; standard tablet stamped "21 J 1931"	908.526
Reference mark, 35 ft. S. and 65 ft. W. from junction of rd. N., in root on NE. side of 15-in. oak tree; copper nail and washer	903.60
Lutie, 0.9 mi. W. of, along Proteem rd., 53 ft. S. and 30 ft. W. from SW. corner of schoolhouse, 23 ft. N. of rd., in root on S. side of 20-in. oak tree; copper nail and washer	904.60
Lutie, 70 ft. E. of front entrance to store of Jack Jones, 30 ft. S. of NW. corner of fence around yard of John Small, in root on NW. side of large sumac tree; copper nail and washer	875.91
Lutie, 1.1 mi. E. of, along Theodosia rd., 10 ft. N. of rd., in root on SE. side of blazed 18-in. locust tree; copper nail and washer	673.21
Theodosia, at front entrance to dwelling of F. A. Grishman, in E. end of lower concrete step; standard tablet stamped "22 J 1931"	680.327
Reference mark, 96 ft. S. and 4 ft. W. from SW. corner of dwelling, in root on E. side of 15-in. oak tree; copper nail and washer	682.98
Theodosia, 1.1 mi. E. of, along Gainesville rd., at top of large hill, 350 ft. W. of barn, 150 ft. W. of fence corner, 15 ft. N. of rd., in root on S. side of 8-in. hickory tree; copper nail and washer	870.06
Theodosia, 2.3 mi. E. of, along Gainesville rd., 70 ft. SW. of farmhouse, 20 ft. S. of picket fence, 8 ft. N. of rd., in root on S. side of 24-in. oak tree; copper nail and washer	924.20
Isabella, 0.8 mi. N. of, along Gainesville rd., 35 ft. N. and 3 ft. W. from rd. junction, 32 ft. NE. of triangular-blazed oak tree, in concrete post; standard tablet stamped "T T 16 B 1931"	1,008.803
Reference mark, NW. of rd. fork N., in root on N. side of blazed, large oak tree; copper nail and washer	1,006.98
Isabella, 1.7 mi. E. of, along Gainesville rd., 150 ft. N. of farmhouse, 30 ft. N. of rd., at E. gatepost to pasture, in root on NW. side of 18-in. oak tree; copper nail and washer	966.26
Isabella, 2.8 mi. E. of, along Gainesville rd., on SE. slope of hill, 19 ft. W. of rd. at curve to S., in root on SE. side of blazed 15-in. oak tree; copper nail and washer	1,015.72
Isabella, 3.5 mi. E. of, along Gainesville rd., 25 ft. S. of junction of dim rd. SW., in root on E. side of blazed 15-in. oak tree; copper nail and washer	939.87
Isabella, about 3.8 mi. E. of, along Gainesville rd., 800 ft. W. of center sec. 13, T. 22 N., R. 15 W., on W. bank of West Fork of Spring Creek, 27 ft. S. of rd., 5 ft. S. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 17 B 1931"	715.685
Reference mark, 5 ft. SE. of fence corner, in root on W. side of 6-in. oak tree; copper nail and washer	715.09

Gainesville, 7.7 mi. W. of, along Protom rd., 1.2 mi. E. of West Fork of Spring Creek, at top of large hill, 20 ft. N. of junction of rd. SW., in fence line, in root on N. side of blazed, large oak tree; copper nail and washer	<u>Feet</u> 968.31
Gainesville, 6.8 mi. W. of, along Protom rd., 420 ft. NE. of farmhouse, 12 ft. N. of rd., in root on E. side of 30-in. oak tree; copper nail and washer	957.28
Gainesville, 5.7 mi. W. of, along Protom rd., 10 ft. N. and 10 ft. W. from rd. at private lane S. to dwelling of J. A. Reynolds, 8 ft. S. 30° E. of triangular-blazed tree, in concrete post; standard tablet stamped "T T 16 B 1931"	953.268
Reference mark, 8 ft. S. of tablet, in root on SW. side of blazed oak tree; copper nail and washer	952.01
Gainesville, 4.6 mi. W. of, along Protom rd., at top of small hill, 23 ft. E. of rd., in root on SW. side of 18-in. tree; copper nail and washer	1,011.41

(Continued in Gainesville quadrangle; see line 1.)

2. EAST THROUGH CENTER OF NORTH HALF OF QUADRANGLE

(Continued from Protom quadrangle; see line 4.)

Eastview, 3 mi. E. of, along rd. to pondfork, 25 ft. S. of rd., 37 ft. N. and 10 ft. W. from dwelling of L. D. Ewing, 3 ft. S. and 6 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 25 B 1931"	938.769
Pondfork, 2.7 mi. W. of, along rd. to Eastview, 90 ft. E. of hay barn, 18 ft. E. of junction of dim rd. SW., in root on S. side of blazed, large oak tree; copper nail and washer	887.06
Pondfork, 2.2 mi. W. of, along rd. to Longrun, at S. end of triangle formed by junction of rd. W. to Eastview, in root on W. side of blazed oak tree; copper nail and washer	866.62
Pondfork, in SW $\frac{1}{4}$ sec. 3, T. 23 N., R. 16 W., 20 ft. N. of rd., 84 ft. N. and 32 ft. E. from NW. corner of post office, 3 ft. N. of yard fence, in concrete post; standard tablet stamped "T T 26 B 1931"	945.658
Reference mark, 30 ft. E. of tablet, in root on S. side of twin mulberry tree; copper nail and washer	944.22
Thornfield, 1.6 mi. W. of, along rd. to Pondfork, 15 ft. S. and 70 ft. E. from rd. at rd. N., 15 ft. S. and 20 ft. E. from junction of rd. S., in root on NE. side of blazed oak tree; copper nail and washer	1,063.86
Thornfield, 0.7 mi. W. of, along rd. to Pondfork, 30 ft. S. and 8 ft. W. from junction of rd. N., 2 ft. N. of fence, in root on E. side of 8-in. oak tree; copper nail and washer	821.19
Thornfield, 0.3 mi. SW. of post office, 600 ft. E. of bridge across Little North Fork of White River, 45 ft. S. and 15 ft. W. from rd. forks, 310 ft. S. and 120 ft. W. from general store, in concrete post; standard tablet stamped "T T 27 B 1931"	771.399
Reference mark, 50 ft. S. of tablet, in root on SE. side of 15-in. walnut tree; copper nail and washer	770.86
Thornfield, 1 mi. S. of, along creek rd. to Hammond, 100 ft. N. of rd. forks, 8 ft. W. of rd., at T-fence NW., at E. gatepost to pasture, in root on NE. side of 18-in. oak tree; copper nail and washer	752.94
Thornfield, 2 mi. SE. of, along creek rd. to Hammond, 200 ft. NW. of large barn, 65 ft. NW. of rd. fork S., on N. slope of hill, in fence line, in root on W. side of 12-in. sycamore tree; copper nail and washer	785.05
Hammond, 45 ft. S. and 96 ft. W. from bank building, 17 ft. S. and 15 ft. E. from front entrance to general store of Johnson Bros., 1 ft. N. of fence, in concrete post; standard tablet stamped "T T 28 B 1931"	744.113
Hammond, 0.8 mi. NE. of, along rd. to Nottingham, 65 ft. NE. of rd. forks, 8 ft. E. of rd., in root on NE. side of blazed 15-in. sycamore tree; copper nail and washer	715.89
Hammond, 1.6 mi. NE. of, along rd. to Nottingham, on S. bank of creek, 150 ft. N. of N. corner of farmhouse, 25 ft. N. of rd., at corner fence post, in root on E. side of 30-in. oak tree; copper nail and washer	752.65
Nottingham, 1.8 mi. W. of, along rd. to Hammond, 15 ft. S. of rd. corner, 310 ft. S. and 520 ft. E. from dwelling of R. M. Lattamus, 3 ft. N. of rail fence, in concrete post; standard tablet stamped "T T 29 B 1931"	1,031.206
Nottingham, 0.7 mi. W. of, along rd. to Hammond, at bottom of large ravine, 40 ft. N. and 30 ft. E. from gate in front of old farmhouse, 20 ft. N. of rd., in root on SE. side of small elm tree; copper nail and washer	934.54
Nottingham, 7 ft. S. and 4 ft. E. from NE. corner of post office and store building of W. C. Mayham, in concrete post; standard tablet stamped "T T 30 B 1931"	1,041.714
Reference mark, 240 ft. SE. of store, at corner fence post, in root on NE. side of large oak tree; copper nail and washer	1,037.66
Nottingham, 0.6 mi. SE. of, along rd. to Willhoit, 180 ft. NW. of farmhouse, 150 ft. W. of rd. fork S., 15 ft. S. of rd., in root on NW. side of 36-in. oak tree; copper nail and washer	1,020.86
Nottingham, 1.6 mi. SE. of, along rd. to Willhoit, 80 ft. N. of creek, 18 ft. N. and 10 ft. E. from rd. forks, in blazed sycamore tree, copper nail and washer	765.13
Nottingham, 2.5 mi. SE. of, along rd. to Willhoit, in Barren Fork Creek Valley, near junction of lane to dwelling of Elmer Dunnegan, 4 ft. S. of rd. in front of blazed tree, 60 ft. N. of rock fence, in concrete post; standard tablet stamped "T T 31 B 1931"	784.474
Nottingham, 3.7 mi. E. of, along rd. to Willhoit, 119 mi. SW. of State Highway 5, 125 ft. SE. of rd. forks, 60 ft. SW. of barn, 6 ft. N. of rd., in root on SW. side of twin locust tree; copper nail and washer	832.70
Nottingham, 4.5 mi. E. of, along rd. to Willhoit, 1.2 mi. SW. of State Highway 5, 160 ft. N. of rd. across creek, 55 ft. E. of center of triangle formed by rd. forks, 10 ft. S. of rd., in root on N. side of blazed 15-in. sycamore tree; copper nail and washer	836.61

Gainesville, 8.9 mi. N. of, along State Highway 5, in NW $\frac{1}{4}$ sec. 16, T. 23 N., R. 14 W., 30 ft. N. and 75 ft. E. from highway at crossroad, at S. end of bridge over Barren Fork Creek, 20 ft. SE. of rd. to Willhoit, in concrete post; standard tablet stamped "T T 11 B 1931"	Feet 871.417
Reference mark, 15 ft. N. and 40 ft. E. from crossroads, on S. head wall of large concrete culvert; chiseled square	876.40

(Continued in Gainesville quadrangle; see line 2.)

3. IN NORTHEAST CORNER OF QUADRANGLE (by C. E. Reick in 1932)
(Continued from Ava quadrangle; see line 4.)

Almartha, 2 mi. S. of, 70 ft. SE. of crossroads, in root of 20-in. oak tree; copper nail	1,183.17
Romance, 2 mi. NW. of, 30 ft. S. and 850 ft. W. from cor. secs. 28, 29, 32, and 33, T. 24 N., R. 14 W., 28 ft. S. and 25 ft. E. from State Highway 5 at E.-W. crossroad, 1 ft. inside fence, in concrete post; standard tablet stamped "T T 86 B 1932"	1,169.916
Reference mark, 10 ft. SW. of tablet, in root of 20-in. oak tree; copper nail	1,169.89
Romance, 1 mi. W. of, along State Highway 5, W. of junction of rd. W., on N. end of concrete culvert; chiseled square	1,153.58
Barren Fork Bridge, 1.3 mi. NW. of, along State Highway 5, 100 ft. SE. of junction of rd. W., 20 ft. E. of highway, in root of 20-in. oak tree; copper nail	1,082.41

4. IN VICINITY OF WILLHOIT (by F. S. Kuehnelt in 1934)

Willhoit, 10 ft. N. and 75 ft. W. from NW. corner of post office, in root on S. side of 18-in. oak tree; copper nail and washer	888.07
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(Continued in Gainesville quadrangle; see line 8.)

5. EAST ALONG SOUTH BORDER OF QUADRANGLE, INCLUDING THAT PART OF THE
LINE IN YELLVILLE NO. 1 QUADRANGLE (by B. A. Barnes in 1936)
(Continued from Protem quadrangle; see line 6.)

Dugginsville, about 2.5 mi. W. of, in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 21 N., R. 16 W., in yard of Fineview School, in root of 17-in. white-oak tree; copper nail and washer	806.39
Dugginsville, about 1.5 mi. W. of, near N. sixteenth cor. between secs. 9 and 10, T. 21 N., R. 16 W., 330 ft. W. of dwelling of D. Wallace, 22 ft. E. of lane S., 7 ft. W. of rail fence, in root of 17-in. oak tree; copper nail and washer	894.84
Dugginsville, 1 mi. NW. of, in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, T. 21 N., R. 16 W., 35 ft. N. and 32 ft. W. from junction of rd. N., 2 ft. S. and 5 ft. E. from triangular-blazed 24-in. oak tree, in concrete post; standard tablet stamped "2005 E R A 1935"	921.833
Dugginsville, near center of SW $\frac{1}{4}$ sec. 11, T. 21 N., R. 16 W., in front of dwelling of J. C. Johnson, in root of 13-in. walnut tree; copper nail and washer	731.18
Dugginsville, about 1 mi. NE. of, in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 21 N., R. 16 W., at foot of slight grade, 70 ft. W. of creek, 11 ft. E. of rd., in root of 10-in. white-oak tree; copper nail and washer	798.26
Dugginsville, 2 mi. NE. of, in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T. 21 N., R. 16 W., 45 ft. N. and 30 ft. W. from junction of rd. SE., 19 ft. S. of triangular- blazed 8-in. cedar tree, in sandstone ledge; standard tablet stamped "2006 E R A 1935"	957.783
Pontiac, 3.5 mi. W. of, near center sec. 7, T. 21 N., R. 15 W., 300 ft. NW. of log dwelling, in root of triangular-blazed 8-in. black-oak tree; copper nail and washer	864.64
Pontiac, 2.7 mi. W. of, in W $\frac{1}{2}$ sec. 8, T. 21 N., R. 15 W., 60 ft. N. of rd., 40 ft. S. of dwelling, in root of 19-in. oak tree; copper nail and washer	810.30
Pontiac, 1.6 mi. W. of, in SW $\frac{1}{4}$ sec. 9, T. 21 N., R. 15 W., 130 ft. W. of dwelling of Jake Nave, 85 ft. S. of rd., in root of 36-in. wild cherry tree; copper nail and washer	761.16
Pontiac, 0.9 mi. W. of, near E. sixteenth cor. between secs. 9 and 16, T. 21 N., R. 15 W., 60 ft. W. of Left North Fork of White River, 45 ft. S. of picket gate, in root of 30-in. white-oak tree; copper nail and washer	550.73
Pontiac, 1 mi. S. of, in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T. 21 N., R. 15 W., 100 ft. S. and 165 ft. E. from rd. forks, 2 ft. N. and 3 ft. E. from fence corner on Mo.-Ark. State line, in concrete post; standard tablet stamped "2007 E R A 1935"	799.787
Pontiac, 0.5 mi. S. of, in NW $\frac{1}{4}$ sec. 15, T. 21 N., R. 15 W., 15 ft. W. of rd., 7 ft. N. of rd. fork SW., in root of triangular-blazed 18-in. black-oak tree; copper nail and washer	790.92
Pontiac, in NW $\frac{1}{4}$ sec. 10, T. 21 N., R. 15 W., SE. of T-rd. E., in root of 15-in. black-oak tree; copper nail and washer	829.19
Pontiac, 1 mi. NE. of, in SW $\frac{1}{4}$ sec. 2, T. 21 N., R. 15 W., N. of T-rd. S., in root of white-oak tree; copper nail and washer	849.74
Pontiac, 1.2 mi. E. of, in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 21 N., R. 15 W., 50 ft. N. of Little Spring Creek, 15 ft. N. of rd., 62 ft. W. of triangular- blazed 16-in. hickory tree, 8 ft. S. of rail fence, in concrete post; standard tablet stamped "2008 E R A 1935"	708.120
Pontiac, about 2.2 mi. E. of, near center sec. 12, T. 21 N., R. 15 W., near top of ridge, 11 ft. N. of rd. fork SE., in root of twin black-oak tree; copper nail and washer	856.42

Pontiac, about 3 mi. E. of, in NW $\frac{1}{4}$ sec. 7, T. 21 N., R. 14 W., 35 ft. N. of T-rd. S., in root of 10-in. black-oak tree; copper nail and washer	828.00
Pontiac, 3.8 mi. E. of, in NE $\frac{1}{4}$ sec. 7, T. 21 N., R. 14 W., 20 ft. S. and 30 ft. W. from SW. corner of Charity School, in concrete post; standard tablet stamped "2009 E R A 1935"	789.614
Pontiac, about 4.8 mi. E. of, near E. sixteenth cor. between secs. 5 and 8, T. 21 N., R. 14 W., 8 ft. N. of rd., in root of 20-in. black-oak tree; copper nail and washer	881.96
Pontiac, about 5.6 mi. E. of, in NW $\frac{1}{4}$ sec. 9, T. 21 N., R. 14 W., 26 ft. N. of rd., in root of 17-in. white-oak tree; copper nail and washer	1,038.28

6. NORTH THROUGH SOUTH HALF OF QUADRANGLE

Pontiac, 1.2 mi. N. of, center of E $\frac{1}{2}$ sec. 4, T. 21 N., R. 15 W., 200 ft. S. of Big Spring Creek, 25 ft. W. of rd., 22 ft. N. and 22 ft. E. from log dwelling, 15 ft. S. and 47 ft. W. from triangular-blazed 12-in. oak tree, in concrete post; standard tablet stamped "2010 E R A 1935"	593.411
Pontiac, 2.4 mi. N. of, along Isabella-Pontiac rd., in SW $\frac{1}{4}$ sec. 34, T. 22 N., R. 15 W., 27 ft. N. and 35 ft. W. from junction of rd. SW., in root of 17-in. white-oak tree; copper nail and washer	837.36
Pontiac, 3.5 mi. N. of, along Isabella-Pontiac rd., in SE. cor. sec. 28, T. 22 N., R. 15 W., at top of Pidge, 60 ft. E. of rd., in root of 14-in. black-oak tree; copper nail and washer	892.64
Isabella, 1.7 mi. S. of, along Isabella-Pontiac rd., in SE $\frac{1}{4}$ sec. 28, T. 22 N., R. 15 W., 75 ft. W. of rd., 117 ft. N. and 180 ft. E. from NE. corner of log dwelling, 25 ft. E. of triangular-blazed 12-in. oak tree, in concrete post; standard tablet stamped "2011 E R A 1935"	914.460
Isabella, 0.7 mi. S. of, along Isabella-Pontiac rd., in E $\frac{1}{2}$ sec. 21, T. 22 N., R. 15 W., 22 ft. E. of rd., in root of 17-in. black-oak tree; copper nail and washer	907.80

7. NORTHEAST THROUGH MIDDLE OF NORTH HALF OF QUADRANGLE

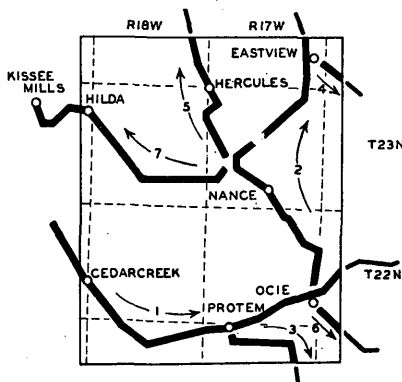
Thornfield, 1.3 mi. NE. of, along State Highway 95, in SE $\frac{1}{4}$ sec. 31, T. 24 N., R. 15 W., 23 ft. S. of highway, in root of 16-in. black-oak tree; copper nail and washer	1,029.25
Thornfield, 3.3 mi. N. of, along State Highway 95, 250 ft. N. and about 900 ft. E. from quarter cor. between secs. 28 and 29, T. 24 N., R. 15 W., 55 ft. E. of highway, 4 ft. S. and 9 ft. W. from angle in fence, 5 ft. S. and 15 ft. E. from triangular-blazed 16-in. white-oak tree, in concrete post; standard tablet stamped "T T 33 C 1933"	1,088.501
Summitville, along State Highway 95, in S $\frac{1}{2}$ sec. 21, T. 24 N., R. 15 W., on concrete base of gasoline pumps; chiseled square	1,060.35

(Continued in Ava quadrangle; see line 8.)

For an additional level line along State Highway 5, refer to U.S. Coast and Geodetic Survey second-order line, Ava, Mo. to Cotter, Ark.

PROTEM QUADRANGLE
(Latitude 36°30'-36°45'; longitude 92°45'-93°00')

Ozark and Taney Counties



1. EAST THROUGH SOUTH HALF OF QUADRANGLE, INCLUDING THAT PART OF THE LINE IN FORSYTH NO. 4 QUADRANGLE (by L. V. Johnson in 1931)

Mildred, 4.1 mi. E. of, on E. bank of White River, 45 ft. S. of Blackwells Ferry landing, 20 ft. W. of rd., in root on E. side of large sycamore tree; copper nail and washer	634.19
Blackwells Ferry, 1.2 mi. SE. of, along Cedar creek rd., 70 ft. S. and 22 ft. W. from junction of dim rd. SW., on N. slope of hill, in root on SE. side of blazed, large tree; copper nail and washer	854.30

Cedarcreek, 2.3 mi. NW. of, along rd. to Blackwells Ferry, 13 ft. S. and 9 ft. E. from SE. corner of Bald Knob School, in concrete post; standard tablet stamped "12 J 1931"	Feet 968.028
Reference mark, 25 ft. N. and 85 ft. E. from NE. corner of schoolhouse, in root on E. side of 12-in. oak tree; copper nail and washer	968.00
Cedarcreek, 1.4 mi. NW. of, along Forsyth rd., 0.9 mi. SE. of Bald Knob School, 15 ft. S. and 40 ft. E. from junction of rd. SW., 13 ft. E. of fence, in root on NW. side of 12-in. cedar tree; copper nail and washer	987.97
Cedarcreek, 0.8 mi. NW. of, along Forsyth rd., at top of large hill, 350 ft. W. of junction of dim rd., 280 ft. E. of mail box, 25 ft. S. of rd., in root on S. side of blazed 15-in. oak tree; copper nail and washer	1,068.01
Cedarcreek, 17 ft. N. and 62 ft. E. from front door of store and post office, 36 ft. N. of 15-in. cedar tree, in limestone boulder; standard tablet stamped "13 J 1931"	970.324
Reference mark, 55 ft. N. of store and post office, in root on S. side of 15-in. oak tree; copper nail and washer	969.14
Cedarcreek, 0.9 mi. S. of, along Proteem rd., 45 ft. S. and 25 ft. E. from wooden bridge over Yocum Creek, in root on NW. side of 6-in. cedar tree; copper nail and washer	882.56
Cedarcreek, 1.6 mi. SE. of, along Proteem rd., at Groom, 50 ft. S. of S. wall of general store of L. T. Cornett, 70 ft. E. of rd., in root on W. side of 18-in. tree; copper nail and washer	1,004.82
Cedarcreek, 2.6 mi. SE. of, along Proteem rd., 300 ft. SE. of mail box of A. L. Pine, 120 ft. NW. of junction of rd. W., 15 ft. S. of rd., in root on N. side of blazed 18-in. hickory tree; copper nail and washer	925.43
Cedarcreek, 3.2 mi. SE. of, along Proteem rd., 65 ft. N. and 12 ft. E. from NW. corner of dwelling of Alvey Huey, 5 ft. W. of foot gate, 2 ft. N. of fence, in concrete post; standard tablet stamped "14 J 1931"	887.341
Reference mark, 80 ft. SE. of mail box, in top of cedar stump; copper nail and washer	890.74
Cedarcreek, 4.3 mi. SE. of, along Proteem rd., 100 ft. E. of dwelling of W. D. Pine, 45 ft. NW. of mail box, 18 ft. W. of rd., in root on E. side of 6-in. cedar tree; copper nail and washer	871.32
Cedarcreek, 5.7 mi. SE. of, along Proteem rd., 40 ft. S. and 10 ft. E. from SW. corner of Sunnyside School, 90 ft. E. of rd., in root on S. side of 12-in. cedar tree; copper nail and washer	935.74
Protem, 5.8 mi. W. of, along Cedarcreek rd., 20 ft. N. of rd., 95 ft. S. and 35 ft. W. from SW. corner of dwelling of C. Vandell, 12 ft. N. and 47 ft. W. from mail box, 16 ft. W. of W. gatepost, 1 ft. S. of fence, in limestone boulder; standard tablet stamped "15 J 1931"	820.895
Protem, 5.1 mi. W. of, along Cedarcreek rd., 200 ft. E. of barn of W. L. Humphries, 100 ft. W. of Elbow Creek, 10 ft. N. of rd., in root on E. side of twin tree; copper nail and washer	579.90
Protem, 3.8 mi. W. of, along Cedarcreek rd., 18 ft. S. of rd., in root on N. side of blazed 10-in. oak tree; copper nail and washer	793.94
Protem, 3 mi. W. of, along Cedarcreek rd., 8 ft. N. and 48 ft. W. from NW. corner of dwelling of J. H. Adams, 19 ft. S. and 16 ft. E. from mail box, 2 ft. NW. of fence corner, in concrete post; standard tablet stamped "16 J 1931"	890.882
Reference mark, 80 ft. N. of dwelling, 60 ft. E. of mail box, 12 ft. N. of fence, in root on N. side of 15-in. oak tree; copper nail and washer	888.36
Protem, 2 mi. W. of, along Cedarcreek rd., on E. slope of large hill, 40 ft. S. of rd. at jog in E.-W. fence, at NW. gatepost to pasture, in root on N. side of 15-in. oak tree; copper nail and washer	867.73
Protem, 1 mi. W. of, along Cedarcreek rd., 150 ft. S. of farmhouse, 45 ft. S. and 100 ft. E. from two wooden mail boxes, 35 ft. S. of rd., in root on SE. side of 8-in. cedar tree; copper nail and washer	837.71
Protem, in concrete porch of store of G. A. Colner; standard tablet stamped "17 J 1931"	700.652
Reference mark, 20 ft. W. of concrete porch, on large rock; chiseled square	700.87
Protem, 1.3 mi. NE. of, along Gainesville rd., 160 ft. NE. of rd. junction, 18 ft. W. of rd., in fence line, in root on E. side of blazed 8-in. oak tree; copper nail and washer	832.40
Protem, 2.4 mi. NE. of, along Gainesville rd., at top of hill, 50 ft. SE. of farmhouse, 15 ft. N. of rd., 10 ft. E. of gate in root on S. side of 10-in. oak tree; copper nail and washer	918.91
Protem, 3 mi. E. of, along Gainesville rd., 17 ft. N. and 65 ft. W. from center of rd. in front of dwelling of P. M. Jennings, about 80 ft. SW. of SW. corner of dwelling, 2 ft. SW. of SW. corner of picket fence around yard, in concrete post; standard tablet stamped "18 J 1931"	810.356
Reference mark, 80 ft. S. of dwelling, inside of rail fence, in root on NW. side of 12-in. walnut tree; copper nail and washer	803.15
Protem, 4 mi. NE. of, along Gainesville rd., 0.5 mi. W. of Rhodes School, 23 ft. S. and 33 ft. E. from junction of rd. SE., 12 ft. S. and 18 ft. W. from mail box of W. Z. Coats, in root on S. side of 8-in. hickory tree; copper nail and washer	799.32
Protem, 4.5 mi. NE. of, along Gainesville rd., 180 ft. S. and 70 ft. E. from SE. corner of Rhodes School, 100 ft. E. of W. corner of triangle formed by rd. forks, in root on SW. side of 18-in. walnut tree; copper nail and washer	680.30
Protem, 5.7 mi. NE. of, along Gainesville rd., near top of hill, 70 ft. S. of farmhouse of C. A. Rhodes, 50 ft. N. of rd., 12 ft. S. of gate, in root on S. side of 24-in. oak tree; copper nail and washer	833.65
Protem, 6 mi. NE. of, along Gainesville rd., 1 mi. W. of Coie, 440 ft. S. of junction of rd. E. to Coie, 8 ft. N. and 18 ft. E. from junction of rd. SW., inside fence, in concrete post; standard tablet stamped "19 J 1931"	875.629
Reference mark, 40 ft. S. and 65 ft. W. from rd. forks, in top of 18-in. stump; copper nail and washer	871.36

Protem, 6.9 mi. NE. of, along Gainesville rd., 15 ft. E. of rd. corner from S. to NE., in root on W. side of 18-in. oak tree; copper nail and washer	Feet 860.78
Protem, 8 mi. NE. of, along Gainesville rd., 65 ft. W. of rd. in front of dwelling of L. C. Baxter, 13 ft. N. of rd., in root on S. side of 24-in. oak tree; copper nail and washer	938.44

(Continued in Thornfield quadrangle; see line 1.)

2. FROM POINT 4.5 MILES NORTHEAST OF PROTEM NORTH TO NORTH BORDER OF QUADRANGLE

Nance, 4.1 mi. S. of, along Big Creek rd., 1 mi. N. of Rhodes School, 100 ft. SE. of farmhouse, 60 ft. N. of junction of dlm rd. NE., at SE. end of rock fence. in root on W. side of 24-in. oak tree; copper nail and washer	761.10
Nance, 3 mi. S. of, along Big Creek rd., 2.1 mi. N. of Rhodes School, 15 ft. S. of rd., in root on N. side of blazed 12-in. oak tree; copper nail and washer	715.64
Nance, 2 mi. S. of, 400 ft. N. of forks of Big Creek, 70 ft. E. of rd. forks, 12 ft. S. of Getz rd., 5 ft. N. of rock fence on N. side of field belonging to Russel Morris, in concrete post; standard tablet stamped "T T 19 B 1931"	729.295
Nance, 1 mi. S. of, along Big Creek rd., on S. bank of creek, at ford, 10 ft. W. of rd., in root on NE. side of blazed, large sycamore tree; copper nail and washer	748.89
Nance, 245 ft. N. and 75 ft. E. from ford across Big Creek, 460 ft. S. of dwelling of W. P. Hodge, 3 ft. S. and 33 ft. W. from corner of field fence, in concrete post, standard tablet stamped "T T 20 B 1931"	778.389
Reference mark, 20 ft. SE. of tablet, on large boulder; chiseled square	778.51
Nance, 1.1 mi. NW. of, along Big Creek rd., 15 ft. E. of rd., in fence line, in root on W. side of 15-in. oak tree; copper nail and washer	832.50
Nance, 2.3 mi. NW. of, along Big Creek rd., about 0.2 mi. N. of old barn, 16 ft. W. of rd., in root on E. side of 12-in. hickory tree; copper nail and washer	651.93
Nance, 3.5 mi. NW. of, 10 ft. W. of rd., 100 ft. N. and 120 ft. E. from dwelling of James Brener, 40 ft. N. and 20 ft. E. from corner of field fence, in concrete post; standard tablet stamped "T T 21 B 1931"	905.195
Nance, 4.9 mi. NW. of, 5 mi. S. of Hercules, 40 ft. S. and 20 ft. E. from junction of Bradleyville-Protem rd. and rd. SE. to Nance, in root on W. side of triangular-blazed large oak tree; copper nail and washer	1,367.10
Nance, about 5.9 mi. NW. of, on Brownbranch rd., 1 mi. E. of Bradleyville-Protem rd., 180 ft. E. of dwelling of Fred Robertson, 13 ft. N. of rd., at SE. corner of rail fence, in root on S. side of 12-in. sycamore tree; copper nail and washer	1,352.46
Nance, 6.8 mi. NW. of, 8.5 mi. SW. of Eastview, about 0.7 mi. E. along rd. from Discus dwelling, 10 ft. N. of rd., 4 ft. E. of fence, in concrete post; standard tablet stamped "T T 22 B 1931"	1,306.402
Reference mark, 6 ft. SW. of tablet, in root on S. side of blazed hickory tree; copper nail and washer	1,304.96
Eastview, 7.4 mi. SW. of, along Proteem rd., 15 ft. S. of rd., in fence line, in root on NE. side of blazed, large oak tree; copper nail and washer	1,348.72
Eastview, 6.3 mi. SW. of, along Proteem rd., 400 ft. E. of large saddle between ravines, 35 ft. W. of rd. corner, in root on N. side of blazed 18-in. oak tree; copper nail and washer	1,341.01
Eastview, 5.1 mi. SW. of, along rd. to Rueter; about 9.4 mi. NW. of Nance, 1.1 mi. SW. of dwelling of George Lee, in prominent saddle of dividing ridge, 20 ft. N. of rd., 8 ft. W. of triangular-blazed tree, in concrete post; standard tablet stamped "T T 23 B 1931"	1,377.563
Eastview, 4.1 mi. SW. of, along rd. to Rueter, 250 ft. W. of dwelling of Harm Wolfe, 90 ft. SE. of small, log barn, 4 ft. E. of rail fence, in root on E. side of 30-in. oak tree; copper nail and washer	1,391.77
Knight triangulation sta., about 3.4 mi. SW. of Eastview, along rd. to Rueter, in SW $\frac{1}{2}$ sec. 1, T. 23 N., R. 17 W., 300 meters (984 ft.) E. of dwelling of James Knight, 137 meters (449 ft.) N. of rail fence at S. end of field, 53 meters (174 ft.) W. of W. edge of timber, on high point of rocky hill, in concrete post 1 ft. below surface of ground; U.S.C. & G.S. standard disk stamped "Knight 1926"	1,448.763
Reference mark 1, E. of tablet, at W. edge of timber, in concrete post; U.S.C. & G.S. standard disk	1,442.462
Eastview, 2.4 mi. SW. of, along rd. to Rueter, 7 ft. N. of rd. at fence corner, in root on SE. side of blazed oak tree; copper nail and washer	1,416.36
Eastview, 2 mi. SW. of, along Thornfield rd., 45 ft. S. and 50 ft. E. from gate in front of dwelling of W. M. Leftin, 18 ft. E. of rd., in root on S. side of 12-in. oak tree; copper nail and washer	1,011.35
Eastview, 1.5 mi. SW. of, along rd. to Rueter, 55 ft. N. of dwelling of S. A. Knight, 10 ft. S. and 28 ft. W. from gate to barnyard, 10 ft. S. of rd., in root on N. side of 20-in. oak tree; copper nail and washer	1,404.73

(Continued in Bradleyville quadrangle; see line 2.)

3. FROM PROTEM SOUTHEAST TO SOUTH BORDER OF QUADRANGLE (single run, unchecked, spur line)

Protem, 1 mi. SE. of, along rd. to Browns Ferry, near top of large hill, 70 ft. E. of corner of rail fence, 55 ft. E. of E. gatepost, 20 ft. N. of rd., in fence line, in root on S. side of 15-in. oak tree; copper nail and washer	845.21
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Protem, 2 mi. SE. of, along rd. to Browns Ferry, 18 ft. S. and 40 ft. W. from rd. at fence N., in root on N. side of blazed 10-in. cedar tree; copper nail and washer	Feet 906.54
Protem, 3.1 mi. SE. of, along rd. to Browns Ferry, 6 ft. W. of NW. corner of Hester School, in concrete post; standard tablet stamped "24 J 1931"	797.245
Reference mark, 25 ft. N. and 10 ft. E. from NE. corner of schoolhouse, in root on NE. side of 18-in. oak tree; copper nail and washer	797.66
Protem, 4.1 mi. SE. of, along rd. to Browns Ferry, 6 ft. S. and 21 ft. E. from T-rd. S., in root on N. side of 24-in. oak tree; copper nail and washer	802.06
Protem, 4.9 mi. SE. of, along rd. to Browns Ferry, 160 ft. NW. of NW. corner of dwelling of J. W. Brightwell, 8 ft. S. of rd., 10 ft. N. of fence, in root on NW. side of 18-in. hickory tree; copper nail and washer	789.49

4. IN NORTHEAST CORNER OF QUADRANGLE

Eastview, 30 ft. N. and 58 ft. E. from rd. forks, 27 ft. N. of rd., 2 ft. N. and 9 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 24 B 1931"	1,074.061
Reference mark, 20 ft. S. of rd. forks, in root on E. side of 8-in. oak tree; copper nail and washer	1,072.79
Eastview, 1 mi. SW. of, along Thornfield rd., 600 ft. W. of rd. at high ridge, 10 ft. N. of rd., at small draw, in root on SW. side of blazed 15-in. tree; copper nail and washer	1,217.67

(Continued in Thornfield quadrangle; see line 2.)

5. NORTH THROUGH MIDDLE OF NORTH HALF OF QUADRANGLE (by B. A. Barnes in 1935)

Hercules, 3.5 mi. S. of, along County Route D, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 23 N., R. 17 W., 31 ft. S. and 30 ft. W. from highway at rd. W., 12 ft. W. of triangular-blazed 24-in. black-oak tree, in concrete post; standard tablet stamped "2003 E R A 1935"	1,375.893
Hercules, 2.3 mi. S. of, along County Route D, near S. sixteenth cor. between secs. 7 and 12, T. 23 N., R. 17 and 18 W., 27 ft. N. of highway at rd. W. to U.S. Forest Service lookout sta., in root of twin black-oak tree; copper nail and washer	1,340.36
Hercules, 0.8 mi. S. of, along County Route D, in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, T. 23 N., R. 17 W., 30 ft. W. of highway at rd. E., in root of 8-in. oak tree; copper nail and washer	1,033.45
Hercules, in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, T. 23 N., R. 17 W., 30 ft. E. of County Route D, 95 ft. S. and 55 ft. W. from SW. corner of schoolhouse, in concrete post; standard tablet stamped "2002 E R A 1935"	893.768
Hercules, 1.2 mi. N. of, along County Route D, in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, T. 24 N., R. 18 W., 400 ft. N. of dwelling, 280 ft. S. of ford across Brush Creek, 80 ft. W. of highway, in root of 14-in. locust tree; copper nail and washer	856.43
Hercules, 1.9 mi. N. of, along County Route D, in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 24 N., R. 18 W., 140 ft. N. of Mcadoo Creek, 21 ft. W. of highway opposite mail box of J. L. Bray, in root of 10-in. hickory tree; copper nail and washer	861.03
Hercules, 2.5 mi. N. of, along County Route D, in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, T. 24 N., R. 18 W., on top of ridge, 28 ft. W. of highway, in root of 13-in. white-oak tree; copper nail and washer	1,158.74
Bradleyville, 3.5 mi. SE. of, along County Route D, in SW $\frac{1}{4}$ sec. 24, T. 24 N., R. 18 W., 95 ft. S. and 55 ft. E. from highway at rd. SW., 55 ft. W. of highway at rd. E., 13 ft. W. of triangular-blazed 16-in. white-oak tree, in concrete post; standard tablet stamped "2001 E R A 1935"	1,124.379

(Continued in Bradleyville quadrangle; see line 4.)

6. FROM OCIE SOUTHEAST TO EAST BORDER OF QUADRANGLE

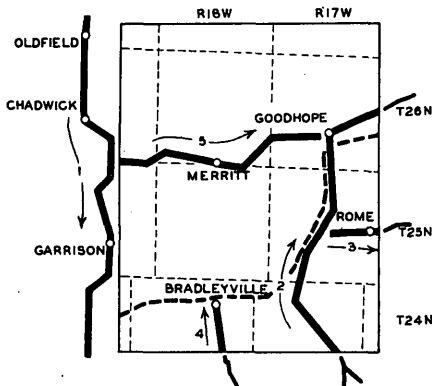
Ocie, 250 ft. NW. of post office, near center sec. 30, T. 22 N., R. 16 W., S. of rd., opposite dwelling of W. H. Hampton, in root of twin oak tree; copper nail and washer	758.48
Ocie, about 1 mi. S. of, in NE $\frac{1}{4}$ sec. 31, T. 22 N., R. 16 W., 110 ft. S. of barn belonging to I. E. Hampton, at rd. fork E., in root of 10-in. oak tree; copper nail and washer	722.58
Ocie, about 2 mi. S. of, in NE. cor. sec. 6, T. 21 N., R. 16 W., 20 ft. S. and 18 ft. W. from rd. forks, in root of 13-in. black-oak tree; copper nail and washer	805.60
Ocie, 3 mi. S. of, in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 21 N., R. 16 W., 280 ft. E. of junction of Dugginsville, Ocie, and Protem rds., 100 ft. E. of McVay Creek, 35 ft. E. of triangular-blazed 24-in. walnut tree, 5 ft. N. of rail fence, in concrete post; standard tablet stamped "2004 E R A 1935"	614.492

(Continued in Thornfield quadrangle; see line 5.)

7. FROM CENTER OF QUADRANGLE NORTHWEST TO WEST BORDER

Junction of County Routes C and D, 2.1 mi. N. of, along County Route D, in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 23 N., R. 17 W., 36 ft. W. of highway, 8 ft. S. of rd. W., in root of 20-in. white-oak tree; copper nail and washer	Feet 1,345.52
Junction of County Routes C and D, 2.8 mi. N. of, along County Route D, in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 32, T. 23 N., R. 17 W., 30 ft. S. and 110 ft. W. from highway at old rd. W. to Kissee Mills, 30 ft. N. and 33 ft. E. from NE. corner of small dwelling, in concrete post; standard tablet stamped "T T 19 C 1934"	1,375.399
T. 23 N., R. 17 W., in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, 400 ft. N. of schoolhouse, 34 ft. W. of rd. S., 15 ft. E. of rd. SW., in root of 17-in. white-oak tree; copper nail and washer	1,346.15
T. 23 N., R. 18 W., near center of NW $\frac{1}{4}$ sec. 36, 110 ft. E. of dwelling of N. Geotz, 14 ft. N. of rd., at fence corner, in root of 10-in. white-oak tree; copper nail and washer	1,311.32
T. 23 N., R. 18 W., near center of NE $\frac{1}{4}$ sec. 35, 5 ft. N. and 45 ft. W. from T-rd., 5 ft. E. of rail fence, 6 ft. N. of triangular-blazed 15-in. black-oak tree, in concrete post; standard tablet stamped "T T 20 C 1934"	1,316.275
T. 23 N., R. 18 W., near W. sixteenth cor. sec. 34, at bottom of long hill, 300 ft. E. of Cane Creek, in front of dwelling of E. Jenkins, on limestone ledge; chiseled square	872.86
Kissee Mills, 7.6 mi. E. of, along old Cane Creek rd., in N. part of NW $\frac{1}{4}$ sec. 33, T. 23 N., R. 18 W., 30 ft. N. and 35 ft. W. from NW. corner of dwelling of Lou Roberts, 15 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 21 C 1934"	827.528
Kissee Mills, about 6.6 mi. E. of, along old Cane Creek rd., in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 23 N., R. 18 W., 80 ft. N. of rd., 35 ft. W. of Cane Creek, in root of twin elm tree; copper nail and washer	795.43
Kissee Mills, about 5.2 mi. E. of, along old Cane Creek rd., in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 23 N., R. 18 W., 120 ft. W. of Cane Creek, at junction of rd. W. to Hilda, 60 ft. S. of dwelling of Will Roberts, in root of 18-in. locust tree; copper nail and washer	750.77
Kissee Mills, 4.1 mi. E. of, along old Cane Creek rd., in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 23 N., R. 18 W., on slope leading to dwelling of I. M. Roberts, 65 ft. W. of SE. corner of barnyard fence, 22 ft. S. of fence, 35 ft. N. and 10 ft. W. from triangular-blazed cedar tree, in concrete post; standard tablet stamped "T T 22 C 1934"	720.798
Hilda, near NE. cor. sec. 13, T. 23 N., R. 19 W., 2 mi. E. of County Route C, 130 ft. S. of Beaver Creek, 60 ft. W. of junction of Beaver Creek and W. branch of Cane Creek, in root of 20-in. sycamore tree; copper nail and washer	688.61

BRADLEYVILLE QUADRANGLE
(Latitude 36°45'-37°00'; longitude 92°45'-93°00')
Christian, Douglas, Ozark, and Taney Counties



1. LINE SOUTH JUST WEST OF WEST BORDER OF QUADRANGLE (That portion of the line from Sparta to Chadwick was run by E. W. Gouchenour in 1931, the remainder by B. A. Barnes in 1935)

Sparta, 160 ft. N. and 48 ft. W. from St. Louis-San Francisco Ry. sta., 1 ft. S. and 3 ft. E. from SW. corner of garden fence, in concrete post; standard tablet stamped "67 G 1931"	1,391.703
Reference mark, 55 ft. S. and 25 ft. W. from tablet, on E. head wall of concrete culvert; chiseled square	1,392.68
Sparta, 1.4 mi. SE. of, along St. Louis-San Francisco Ry., 50 ft. S. and 15 ft. W. from rd. crossing, in root on SE. side of 12-in. wild cherry tree; copper nail and washer	1,418.18

Sparta, 2.4 mi. SE. of, along St. Louis-San Francisco Ry., 1 mi. NW. of Oldfield, 130 ft. N. of private rd. crossing, in root on S. side of 12-in. black-oak tree; copper nail and washer	Feet 1,401.89
Oldfield, 0.2 mi. S. of St. Louis-San Francisco Ry. sta., 67 ft. N. of center of track opposite milepole 269.5, 7 ft. W. of track, in large limestone boulder; standard tablet stamped "68 G 1931" (This monument replaces old aluminum tablet stamped "1903 1384 adj." which has been destroyed.)	1,380.926
Reference mark, 4 ft. N. of tablet, on ledge; chiseled square	1,381.09
Oldfield, 1.2 mi. SE. of, along St. Louis-San Francisco Ry., 90 ft. S. and 60 ft. W. from track at milepole, in root on S. side of 36-in. water-oak tree; copper nail and washer	1,360.93
Oldfield, 2.4 mi. S. of, along St. Louis-San Francisco Ry., 1.3 mi. N. of Chadwick, 20 ft. N. and 15 ft. E. from milepole 271.5, in root on W. side of twin oak tree; copper nail and washer	1,358.72
Chadwick, 20 ft. N. and 125 ft. W. from NW. corner of St. Louis-San Francisco Ry. sta., 1 ft. N. and 5 ft. W. from NE. corner of yard of Robert Adams, in concrete post; standard tablet stamped "69 G 1931"	1,377.881
Reference mark, 53 ft. N. of tablet, on SE. corner of concrete steps to Boles' Cafe; chiseled cross	1,376.92
Chadwick, 0.9 mi. SE. of, near center sec. 29, T. 26 N., R. 19 W., 28 ft. S. of rd., in yard of D. O. Bauscher, in root of 17-in. white-oak tree; copper nail and washer	1,340.98
Chadwick, 2.6 mi. SE. of, along Chadwick-Merritt rd., about halfway down long, winding hill, 10 ft. S. of triangular-blazed 12-in. tree at approximate S. sixteenth cor. sec. 28, T. 26 N., R. 19 W., 30 ft. S. of rd., in pasture, in ledge; standard tablet stamped "T T 28 C 1934"	1,082.578
Chadwick, 3.8 mi. SE. of, in SE $\frac{1}{4}$ sec. 34, T. 26 N., R. 19 W., at lane S. to farmhouse of L. H. Nichols, at SE. corner of gate, in root of 22-in. maple tree; copper nail and washer	946.72
Chadwick, about 4.2 mi. SE. of, near center sec. 34, T. 26 N., R. 19 W., on N. bank of Swan Creek, on concrete retaining wall; chiseled square	939.86
Garrison, 2.5 mi. N. of, along County Route A, thence 0.5 mi. E., in SE $\frac{1}{4}$ sec. 10, T. 25 N., R. 19 W., 43 ft. S. and 22 ft. E. from SE. corner of concrete blockhouse of Everett Mitchell, in concrete post; standard tablet stamped "1399 E R A 1935"	951.789
Garrison, 2.5 mi. N. of, along County Route A, near E. sixteenth cor. sec. 9, T. 25 N., R. 19 W., 55 ft. E. of highway, 67 ft. S. of rd. E., on ledge; chiseled square	1,158.81
Garrison, 1.7 mi. N. of, along County Route A, near NW. cor. sec. 15, T. 25 N., R. 19 W., 60 ft. S. and 39 ft. E. from highway at rd. E., in root of 18-in. black-oak tree; copper nail and washer	1,123.32
Garrison, 0.7 mi. N. of, along County Route A, near NE. cor. sec. 21, T. 25 N., R. 19 W., about halfway down long hill, in root of 13-in. white-oak tree; copper nail and washer	1,001.34
Garrison, in NE $\frac{1}{4}$ sec. 28, T. 25 N., R. 19 W., 40 ft. N. and 115 ft. W. from rock store building of Ray Rozell, 30 ft. N. of County Route A, in concrete post; standard tablet stamped "1398 E R A 1935"	891.195
Garrison, about 0.5 mi. S. of, along County Route A, near N. sixteenth cor. between secs. 27 and 28, T. 25 N., R. 19 W., on SW. concrete head wall of bridge over Swan Creek; chiseled square	875.61
Garrison, 1.3 mi. SE. of, along County Route A, in NE $\frac{1}{4}$ sec. 34, T. 25 N., R. 19 W., 100 ft. S. and 20 ft. E. from highway at rd. S., in root of 16-in. walnut tree; copper nail and washer	876.54
Garrison, 2.8 mi. S. of, in SE $\frac{1}{4}$ sec. 34, T. 25 N., R. 19 W., 71 ft. S. of SW. corner of dwelling of D. E. Case, in concrete post; standard tablet stamped "1397 E R A 1935"	993.604
Garrison, about 3.7 mi. S. of, near center NW $\frac{1}{4}$ sec. 2, T. 24 N., R. 19 W., 35 ft. N. of spring branch, 14 ft. E. of rd., in root of 22-in. black-oak tree; copper nail and washer	899.60
Garrison, about 4.6 mi. S. of, about 300 ft. NE. of center sec. 3, T. 24 N., R. 19 W., 18 ft. N. and 25 ft. E. from T-rd. E., in root of 14-in. walnut tree; copper nail and washer	839.70
Garrison, 5.9 mi. SW. of, 630 ft. S. and 480 ft. E. from W. sixteenth cor. sec. 10, T. 24 N., R. 19 W., 20 ft. E. of rd., 15 ft. N. and 10 ft. W. from SW. corner of dwelling of E. Goodwin, in concrete post; standard tablet stamped "1380 E R A 1935"	879.604
Helphrey School, near quarter cor. between secs. 15 and 22, T. 24 N., R. 19 W., 1 ft. from schoolhouse, in lower stone step; chiseled square	1,111.93

2. FROM SOUTH BORDER OF QUADRANGLE NORTH AND EAST TO POINT NEAR CENTER OF EAST BORDER (by L. V. Johnson in 1931)
(Continued from Protem quadrangle; see line 2.)

Eastview, 0.9 mi. N. of, along rd. to Brownbranch, 150 ft. W. of farmhouse, 55 ft. S. of SW. corner of fence around small field, 10 ft. E. of rd., in root on N. side of blazed, large oak tree; copper nail and washer	1,005.84
Brownbranch, 3 mi. SE. of, 0.6 mi. NW. of Barger School, 21 ft. S. and 50 ft. E. from rd. forks, 120 ft. N. and 260 ft. W. from dwelling of H. B. Lawson, 7 ft. N. and 13 ft. W. from triangular-blazed oak tree, in concrete post; standard tablet stamped "T T 31 B 1931"	957.075
Brownbranch, 2.1 mi. SE. of, along rd. to Eastview, 75 ft. W. of gate in front of dwelling of J. W. Nalley, 12 ft. S. of rd., in root on E. side of blazed, large hickory tree; copper nail and washer	933.50
Brownbranch, 1 mi. S. of, along rd. to Eastview, 65 ft. NW. of NW. corner of fence around yard, 20 ft. S. and 6 ft. W. from private rd. S. to farmhouse, in root on N. side of blazed 20-in. oak tree; copper nail and washer	921.60

	Feet
Brownbranch, 300 ft. N. of post office, 33 ft. S. and 36 ft. W. from State Highway 78 at rd. S. to Eastview, 2 ft. N. and 12 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 35 B 1931"	878.473
Brownbranch, 1 mi. N. of, along rd. to Goodhope, at Douglas-Taney county line, 110 ft. N. of junction of rd. S., in root on E. side of 24-in. oak tree; copper nail and washer	934.85
Brownbranch, 1.9 mi. NE. of, along rd. to Goodhope, 150 ft. W. of farmhouse, 30 ft. SE. of mail box of W. A. Comer, 30 ft. S. and 25 ft. E. from junction of dim rd. W., in root on W. side of triangular-blazed 24-in. oak tree; copper nail and washer	1,104.88
Brownbranch, 3 mi. NE. of, 20 ft. N. and 10 ft. W. from rd. corner S. to E. at center of NE $\frac{1}{4}$ sec. 29, T. 25 N., R. 17 W., in concrete post; standard tablet stamped "T T 36 B 1931"	1,097.532
Brownbranch, 3.6 mi. NE. of, along rd. to Goodhope, 25 ft. S. and 60 ft. E. from junction of rd. S., in root on E. side of 18-in. oak tree; copper nail and washer	1,134.19
Brownbranch, 4.7 mi. NE. of, along rd. to Goodhope, 20 ft. N. and 80 ft. W. from junction of rd. N., 33 ft. S. of SE. corner of dwelling of Frank Albright, in root on SE. side of 18-in. maple tree; copper nail and washer	1,166.43
Brownbranch, about 5.5 mi. N. of, along rd. to Goodhope, 2.1 mi. S. of Roy, 120 ft. S. of junction of rd. S., in line with rds. N. and W., at fence corner, in root on NW. side of 18-in. hickory tree; copper nail and washer	1,171.88
Brownbranch, 6.2 mi. NE. of, about 0.3 mi. S. of cor. secs. 9, 10, 15, and 16, T. 25 N., R. 17 W., 18 ft. W. of N.-S. rd., 34 ft. N. and 58 ft. E. from NE. corner of dwelling of F. C. Nowlin, in concrete post; standard tablet stamped "T T 37 B 1931"	1,246.542
Roy, 0.9 mi. S. of, along rd. to Goodhope, 8 ft. N. and 33 ft. W. from junction of rd. W., in fence corner, in root on NW. side of 9-in. oak tree; copper nail and washer	1,278.30
Roy, 6 ft. N. of front entrance to post office, on N. edge of concrete porch; chiseled square	1,206.29
Roy, 1 mi. N. of, along rd. to Goodhope, 8 ft. N. of junction of rd. W., 25 ft. SW. of fence corner, in root on S. side of 20-in. oak tree; copper nail and washer	1,264.99
Goodhope, 46 ft. S. and 55 ft. W. from stone at quarter cor. between secs. 28 and 33, T. 26 N., R. 17 W., 25 ft. E. and 50 ft. W. from T-rd. S., 8 ft. N. of front door to general store of J. W. Stout, in concrete porch; standard tablet stamped "T T 38 B 1931"	1,274.025
Reference mark, 40 ft. SE. of tablet, in knob on E. side of large oak tree; copper nail and washer	1,274.15
Goodhope, 1.1 mi. E. of, along rd. to Ava, 90 ft. S. and 50 ft. W. from center of small triangle formed by rd. junction, 30 ft. W. of old log barn, 7 ft. W. of rd., in root on E. side of 30-in. oak tree; copper nail and washer	1,134.07
Goodhope, 2.2 mi. NE. of, along rd. to Ava, 20 ft. E. of junction of private rd. NW., in fence line, in root on N. side of twin oak tree; copper nail and washer	1,081.25
Goodhope, about 2.4 mi. NE. of, along rd. to Ava, 8.3 mi. W. of Ava, on top of hill, 15 ft. S. and 20 ft. W. from rd. junction, 200 ft. NW. of dwelling of T. M. Brown, 15 ft. W. of rail fence, 1 ft. S. of wire fence, in concrete post; standard tablet stamped "T T 39 B 1931"	1,194.587
Goodhope, 3.6 mi. NE. of, along rd. to Ava, 7.4 mi. W. of Ava, 840 ft. NE. of E. bank of Beaver Creek at ford, 270 ft. NE. of rd. in front of dwelling of W. R. Edding, 12 ft. S. of rd., in fence line, in root on N. side of large walnut tree; copper nail and washer	1,060.89

(Continued in Ava quadrangle; see line 1.)

3. FROM POINT ABOUT 3 MILES WEST OF ROME EAST TO EAST BORDER OF QUADRANGLE (by B. A. Barnes in 1935)

U.S.C. & G.S. standard disk stamped "P 62 1934"	1,231.228
Rome, 1.6 mi. W. of, at quarter cor. between secs. 21 and 22, T. 25 N., R. 17 W., 41 ft. W. of T-rd. S. to McClurg, 17 ft. S. of E.-W. rd., 3/4 ft. S. of triangular-blazed 18-in. oak tree, in concrete post; standard tablet stamped "T T 42 C 1933"	1,162.792
Rome, about 0.6 mi. W. of, along Rome-Smallett rd., in NE $\frac{1}{4}$ sec. 22, T. 25 N., R. 17 W., 45 ft. N. of rd., 7 ft. E. of junction of rd. N., near junction of spring branches, at gatepost, in root of 14-in. white-oak tree; copper nail and washer	944.72
Rome, near center sec. 23, T. 25 N., R. 17 W., on W. end of N. concrete abutment of bridge over Beaver Creek; chiseled square	947.24
Rome, about 0.8 mi. E. of, along rd. to Squires, about 270 ft. N. of center of SW $\frac{1}{4}$ sec. 24, T. 25 N., R. 17 W., 18 ft. S. of E.-W. rd. near Huffman property, 1 ft. E. of N.-S. fence, in concrete post; standard tablet stamped "T T 41 C 1933"	976.057

(Continued in Ava quadrangle; see line 7.)

4. FROM SOUTH BORDER OF QUADRANGLE NORTH TO BRADLEYVILLE (Continued from Protom quadrangle; see line 5.)

Bradleyville, 2.7 mi. SE. of, along County Route D, in SW $\frac{1}{4}$ sec. 13, T. 24 N., R. 18 W., 33 ft. W. of junction of rd. SE., in root of 8-in. oak tree; copper nail and washer	1,151.90
Bradleyville, 1.7 mi. SE. of, along County Route D, in NW $\frac{1}{4}$ sec. 14, T. 24 N., R. 18 W., 18 ft. E. of highway, 21 ft. N. of rd. E., in root of 14-in. white-oak tree; copper nail and washer	1,049.92

U.S.C. & G.S. standard disk stamped "G 62 1934"

Feet
829.326

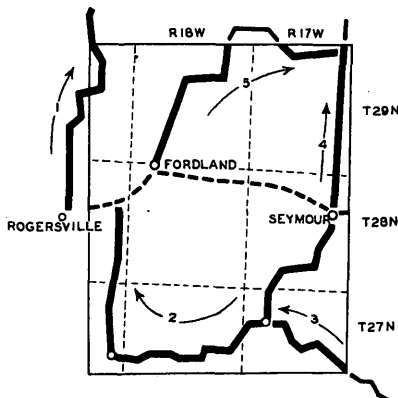
5. FROM WEST BORDER OF QUADRANGLE EAST TO GOODHOPE

Chadwick, 5.2 mi. E. of, along rd. to Merritt, about 200 ft. S. and 50 ft. W. from NE. cor. NW $\frac{1}{4}$ sec. 2, T. 25 N., R. 19 W., 100 ft. W. of creek crossing, 34 ft. N. of rd., 34 ft. W. of triangular-blazed 9-in. locust tree in fence row, in ledge; standard tablet stamped "T T 27 C 1934"	964.279
Chadwick, 6.6 mi. E. of, along rd. to Merritt, near center SW $\frac{1}{4}$ sec. 36, T. 26 N., R. 19 W., 27 ft. E. of Harmon Creek, 18 ft. S. of rd., in root of maple tree; copper nail and washer	1,010.36
Chadwick, 7.3 mi. E. of, along rd. to Merritt, in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 26 N., R. 19 W., at creek crossing, on ledge; chiseled square	1,051.80
Chadwick, 8.8 mi. E. of, along rd. to Merritt, near center sec. 31, T. 26 N., R. 18 W., 27 ft. N. of rd., 63 ft. NE. of triangular-blazed 18-in. hickory tree at corner of field, 24 ft. W. of triangular-blazed 12-in. hickory tree, in ledge; standard tablet stamped "T T 26 C 1934"	1,112.194
Chadwick, 9.3 mi. E. of, along rd. to Merritt, in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 32, T. 26 N., R. 18 W., on divide, 36 ft. N. and 23 ft. E. from crossroads, in root of 25-in. black-oak tree; copper nail and washer	1,336.80
Chadwick, 10.3 mi. E. of, along rd. to Merritt, in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 26 N., R. 18 W., 150 ft. E. of rd. at creek crossing, 75 ft. E. of junction of rd. N. 57 ft. E. of mail box of A. Adams, on ledge; chiseled square	1,088.56
Goodhope, 6.2 mi. W. of, near center of NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, T. 26 N., R. 18 W., about 0.2 mi. W. of Guffy Creek, 20 ft. N. of rd., in ledge; standard tablet stamped "T T 25 C 1934"	1,098.642
Goodhope, about 4.5 mi. W. of, in village of Merritt, on concrete base of gasoline pumps; chiseled square	1,241.70
Goodhope, 3.5 mi. W. of, along County Route T, 0.3 mi. E. of concrete bridge over Little Beaver Creek, about 280 ft. S. and 300 ft. E. from W. sixteenth cor. sec. 36, T. 26 N., R. 18 W., 15 ft. S. of junction of rd. N. to Pansy, 80 ft. S. of highway, in concrete post; standard tablet stamped "T T 24 C 1934"	1,029.541
Goodhope, 2.5 mi. W. of, along County Route T, in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 26 N., R. 17 W., 35 ft. N. and 20 ft. W. from junction of rd. SE., in root of white-oak tree; copper nail and washer	1,197.78
Goodhope, 1.5 mi. W. of, along County Route T, cor. secs. 29, 30, 31, and 32, T. 26 N., R. 17 W., 23 ft. N. and 100 ft. E. from junction of rd. N., in root of 23-in. hickory tree; copper nail and washer	1,232.40

For an additional level line along State Highway 78, refer to U.S. Coast and Geodetic Survey second-order line, Branson to Mansfield.

FORDLAND QUADRANGLE (Latitude 37°00'-37°15'; longitude 92°45'-93°00')

Christian, Douglas, and Webster Counties



1. NORTH ALONG NORTH HALF OF WEST BORDER OF QUADRANGLE INCLUDING THAT PART OF THE LINE IN SPRINGFIELD NO. 4 QUADRANGLE (by E. W. Gouchenour in 1931)

U.S.C. & G.S. standard disk stamped "C 6 1928"	1,462.363
Rogersville, 1.5 mi. E. of, 65 ft. N. and 300 ft. W. from St. Louis-San Francisco Ry. at rd. crossing, in SW. corner of open field, in root on N. side of 24-in. black-oak tree; copper nail and washer	1,424.52
Rogersville, 1.5 mi. E., thence 0.9 mi. N. from, in NW. cor. sec. 16, T. 28 N., R. 19 W., 55 ft. S. and 15 ft. W. from rd. fork S., in root on W. side of 14-in. black-walnut tree; copper nail and washer	1,442.58

Rogersville, 1.5 mi. E., thence 2 mi. N. from, 0.2 mi. E. of cor. secs. 4, 5, 8, and 9, T. 28 N., R. 19 W., 18 ft. N. and 48 ft. W. from crossroads, 15 ft. N. of oak tree, in concrete post; standard tablet stamped "T T 32 W 1931"	<u>Feet</u> 1,479.031
Reference mark, 75 ft. N. of tablet, in root on S. side of 30-in. black-oak tree; copper nail and washer	1,477.17
Rogersville, 1.5 mi. E., thence about 3 mi. N. from, near cor. secs. 4, 5, 32, and 33, Tps. 28 and 29 N., R. 19 W., 35 ft. N. and 40 ft. W. from crossroads, in root on S. side of 12-in. hickory tree; copper nail and washer	1,477.48
Rogersville, 1.5 mi. E., thence 4 mi. N. from, in NW. cor. sec. 33, T. 29 N., R. 19 W., 25 ft. W. of rd., in root on N. side of 15-in. black-oak tree; copper nail and washer	1,470.84
Rogersville, 1.5 mi. E., thence 5 mi. N. from, in NE $\frac{1}{4}$ sec. 28, T. 29 N., R. 19 W., 25 ft. N. of rd. E. and in line with rd. S., 28 ft. N. and 83 ft. E. from NE. corner of concrete porch of dwelling of C. C. Yandell, 5 ft. N. and 4 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 31 W 1931"	1,435.199
Reference mark, 3 ft. N. and 27 ft. E. from tablet, in root on E. side of 20-in. white-oak tree; copper nail and washer	1,434.66
Rogersville, 1.5 mi. E., thence 5 mi. N. from, in SE $\frac{1}{4}$ sec. 21, T. 29 N., R. 19 W., 150 ft. W. of Shelby store, 5 ft. N. and 23 ft. E. from rd. fork N., on N. head wall of concrete culvert; chiseled square	1,286.21
Rogersville, 1.5 mi. E., thence about 6.1 mi. N. from, 0.3 mi. E. of center sec. 15, T. 29 N., R. 19 W., 35 ft. S. and 10 ft. E. from dim crossroads, in root on W. side of 30-in. black-oak tree; copper nail and washer	1,473.01
Rogersville, 1.5 mi. E., thence 7.2 mi. N. from, 600 ft. W. of cor. secs. 10, 11, 14, and 15, T. 29 N., R. 19 W., 10 ft. N. and 25 ft. E. from crossroads, in root on S. side of 24-in. cedar tree; copper nail and washer	1,471.28
Northview, 4 mi. S. and 1 mi. E. from, 1.5 mi. E., thence 8 mi. N. from Rogersville, 25 ft. S. and 26 ft. W. from T-rd. W., 6 ft. S. and 2 ft. E. from small oak tree in fence corner, in concrete post; standard tablet stamped "T T 30 W 1931"	1,464.237
Northview, about 3.5 mi. S. and 0.5 mi. E. from, in SW. cor. sec. 2, T. 29 N., R. 19 W., opposite gate in front of dwelling of C. W. Brooks, in root on E. side of twin red-elm tree; copper nail and washer	1,378.98
Northview, about 2.7 mi. S. of, 0.8 mi. N. of quarter cor. between secs. 3 and 10, T. 29 N., R. 19 W., near rd. corner from E. to N., in SW. corner of yard of C. C. Woodruff on old J. D. McDowell farm, in root on SW. side of 48-in. red-elm tree; copper nail and washer	1,320.78
Northview, about 2.3 mi. S. of, in NE $\frac{1}{4}$ sec. 4, T. 29 N., R. 19 W., 650 ft. N. of old Dallas School, 100 ft. W. of rd. forks, 49 ft. W. of small concrete culvert, on property of Otto Brooks, in concrete post; standard tablet stamped "T T 29 W 1931"	1,305.244
Reference mark, 45 ft. E. of tablet, on S. head wall of concrete culvert; chiseled square	1,305.04

(Continued in Niangua quadrangle; see line 1.)

2. FROM SEYMOUR SOUTHWEST TO DOGWOOD, THENCE WEST TO BRUNER, THENCE NORTH TO POINT ABOUT 3.4 MILES SOUTHWEST OF FORDLAND (by C. E. Reick in 1932)

Seymour, 175 ft. W. of St. Louis-San Francisco Ry. sta., 35 ft. N. of track, 5 ft. W. of concrete sidewalk, 3 ft. from telegraph pole; iron post stamped "Prim Trav Sta No 37 1913 Mo"	1,652.825
Seymour, 1 mi. S. of, near N. sixteenth cor. between secs. 10 and 11, T. 28 N., R. 17 W., on W. head wall of concrete culvert; chiseled square	1,641.73
Seymour, 2 mi. S. of, near N. sixteenth cor. between secs. 14 and 15, T. 28 N., R. 17 W., at T-rd. N., on S. head wall of concrete culvert; chiseled square	1,646.42
Seymour, 2.8 mi. S. of, in SW $\frac{1}{4}$ sec. 14, T. 28 N., R. 17 W., at head of drain W., on E. head wall of concrete culvert; chiseled square	1,606.09
Seymour, 3.7 mi. S. of, about 0.3 mi. N. of cor. secs. 22, 23, 26, and 27, T. 28 N., R. 17 W., 70 ft. N. of rd. corner at fence corner, 100 ft. NW. of mail box 93, in ledge; standard tablet stamped "1 R 1932"	1,516.304
Reference mark, 50 ft. SE. of tablet, in root of 18-in. oak tree; copper nail	1,514.34
Seymour, 4.5 mi. S. of, near quarter cor. between secs. 22 and 27, T. 28 N., R. 17 W., 20 ft. W. of rd. corner from E. to S., in root of 30-in. oak tree; copper nail	1,429.30
Seymour, 4.5 mi. S., thence 0.9 mi. W. from, in SW $\frac{1}{4}$ sec. 27, T. 28 N., R. 17 W., 10 ft. E. of rd. corner from N. to W., in root of 15-in. oak tree; copper nail	1,573.05
Seymour, 4.5 mi. S., thence 1.7 mi. W. from, in S $\frac{1}{2}$ sec. 28, T. 28 N., R. 17 W., 60 ft. SE. of mail box of Mrs. Grace Delvin, 10 ft. S. of rd., in pasture, in concrete post; standard tablet stamped "2 R 1932"	1,593.575
Reference mark, 20 ft. SW. of tablet, in root of 12-in. oak tree; copper nail	1,593.33
Seymour, 4.5 mi. S., thence 2.5 mi. W. from, in S $\frac{1}{2}$ sec. 29, T. 28 N., R. 17 W., SE. of T-rd. E., in root of 20-in. oak tree; copper nail	1,511.84
Dogwood, 3 mi. N. of, in W $\frac{1}{2}$ sec. 32, T. 28 N., R. 17 W., 150 ft. SW. of ford, 20 ft. S. of rd., in concrete post; standard tablet stamped "3 R 1932"	1,463.774
Reference mark, 60 ft. N. of tablet, in root of 15-in. oak tree; copper nail	1,466.21
Dogwood, 2.2 mi. N. of, 250 ft. SW. of dwelling, on W. side of rd., in root of 30-in. oak tree; copper nail	1,527.14
Dogwood, 1.1 mi. N. of, 275 ft. S. of dwelling of A. B. Heinisin, on W. side of rd., in root of 30-in. oak tree; copper nail	1,672.73

Dogwood, 100 ft. NE. of store, 50 ft. NE. of State Highway 14 at rd. N., in concrete post; standard tablet stamped "4 R 1932".	<u>Feet</u> 1,685.509
Reference mark, 100 ft. SW. of tablet, on corner of porch of store; chiseled square	1,683.54
Dogwood, 0.9 mi. W. of, along State Highway 14, 140 ft. SW. of dwelling, on S. side of highway, in root of 30-in. oak tree; copper nail	1,668.50
Dogwood, 1.6 mi. W. of, along State Highway 14, SW. of junction of rd. S., in root of 20-in. oak tree; copper nail	1,648.38
Dogwood, 2.6 mi. W. of, along State Highway 14, 0.4 mi. NE. of Swearingin store, 10 ft. E. of highway, inside pasture, in concrete post; standard tablet stamped "5 R 1932"	1,585.846
Reference mark, 30 ft. E. of tablet, in root of 20-in. oak tree; copper nail	1,582.69
Dogwood, 3.7 mi. W. of, along State Highway 14, 1.5 mi. E. of Christian-Douglas county line, 150 ft. SE. of dwelling of Roscoe Swearingin, in root of 20-in. oak tree; copper nail	1,600.71
Dogwood, 4.8 mi. W. of, along State Highway 14, 2 mi. E. of Elkhead, 30 ft. SE. of junction of rd. N., on boulder; chiseled square	1,562.85
Elkhead, 1.7 mi. E. of, along State Highway 14, on Christian-Douglas county line, 25 ft. N. of highway, in concrete post; standard tablet stamped "6 R 1932"	1,582.348
Reference mark, 60 ft. SW. of tablet, on N. head wall of concrete culvert; chiseled square	1,583.42
Elkhead, 0.7 mi. E. of, along State Highway 14, on N. head wall of concrete culvert; chiseled square	1,543.42
Elkhead, 0.2 mi. W. of, along State Highway 14, 250 ft. SE. of highway at rd. N., 100 ft. S. of highway, in ledge; standard tablet stamped "7 R 1932"	1,535.597
Reference mark, 180 ft. NE. of tablet, on S. head wall of concrete culvert; chiseled square	1,540.03
Elkhead, 1 mi. W. of, along State Highway 14, 50 ft. NE. of junction of rd. N., in root of 20-in. oak tree; copper nail	1,515.44
Elkhead, 1.7 mi. W. of, along State Highway 14, 1.8 mi. E. of Bruner, on N. head wall of concrete culvert; chiseled square	1,507.38
Bruner, 0.9 mi. E. of, along State Highway 14, 600 ft. NW. of Blue Ridge filling sta., on N. head wall of concrete culvert; chiseled square	1,482.00
Bruner, quarter cor. between secs. 23 and 26, T. 27 N., R. 19 W., 38 ft. S. and 28 ft. E. from State Highway 14 at N.-S. cross rd., in concrete post; standard tablet stamped "T 103 B 1932"	1,467.778
Reference mark, 400 ft. W. of tablet, on S. head wall of concrete culvert; chiseled square	1,459.14
Bruner, 1 mi. N. of, 30 ft. W. of rd., in front of dwelling of Andrew Johnson, in root of 18-in. oak tree; copper nail	1,455.83
Bruner, 2 mi. N. of, 130 ft. SE. of bridge, on E. side of rd., in root of 15-in. oak tree; copper nail	1,263.32
Bruner, 2.4 mi. N. of, about 0.3 mi. E. of cor. secs. 10, 11, 14, and 15, T. 27 N., R. 19 W., 50 ft. N. and 15 ft. E. from crossroads, in concrete post; standard tablet stamped "T 102 B 1932"	1,273.263
Bruner, 3.4 mi. N. of, 130 ft. SW. of rd. fork W. across creek, in root of 30-in. oak tree; copper nail	1,258.59
Bruner, about 4.1 mi. N. of, in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, T. 27 N., R. 19 W., in forks of Finley and Steward Creeks, 30 ft. W. of rd. on hill, 45 ft. S. and 60 ft. E. from SE. corner of dwelling of C. H. Hyde, in concrete post; standard tablet stamped "T 101 B 1932"	1,359.017
Reference mark, 700 ft. S. of tablet, 30 ft. SE. of rd. forks, in root of 20-in. oak tree; copper nail	1,332.30
Bruner, 5 mi. N. of, along rd. to Fordland, in triangle formed by rd. fork E., in root of blazed 30-in. oak tree; copper nail	1,354.08
Bruner, 6.5 mi. N. of, along rd. to Fordland, 0.3 mi. S. of Christian-Webster county line, 40 ft. NW. of rd. fork, in root of 15-in. oak tree; copper nail	1,546.24
Fordland, 2.4 mi. SW., thence 3.2 mi. S. from, along St. Louis-San Francisco Ry. and rds., at cor. secs. 25, 26, 35, and 36, T. 28 N., R. 19 W., 25 ft. S. of T-rd. N. on Christian-Webster county line, in concrete post; standard tablet stamped "T 100 B 1932"	1,519.557
Fordland, 2.4 mi. SW., thence 2.1 mi. S. from, 40 ft. SW. of rd. fork W., in root of 10-in. oak tree; copper nail	1,509.24
Fordland, 2.4 mi. SW., thence 1 mi. S. from, 70 ft. NE. of dwelling, 40 ft. SW. of crossroads, in root of 10-in. oak tree; copper nail	1,526.20

3. NORTHWEST ALONG STATE HIGHWAY 14 IN SOUTHEAST CORNER OF QUADRANGLE

(Continued from Cedar Gap quadrangle; see line 3.)

Tigra, 1 mi. E. of, along State Highway 14, S. of highway at rd. N., near gate, on NE. corner of stone culvert; chiseled square	1,213.79
Tigra, in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, T. 27 N., R. 17 W., 75 ft. N. and 25 ft. E. from State Highway 14 at fence S., 75 ft. N. and 75 ft. W. from highway at fence S., on property of J. L. Moffett, in concrete post; standard tablet stamped "19 R 1932"	1,171.513
Reference mark, 880 ft. E. of tablet, on NE. corner of bridge over Beaver Creek; chiseled square	1,176.13
Tigra, 1 mi. W. of, along State Highway 14, 190 ft. W. of dwelling on S. side of highway, on N. head wall of large concrete culvert; chiseled square	1,271.74
Tigra, 2 mi. W. of, along State Highway 14, 20 ft. N. of highway, in root of 30-in. oak tree; copper nail	1,464.80

Painter triangulation sta., 1.2 mi. E. of Dogwood, along State Highway 14, in NW $\frac{1}{4}$ sec. 22, T. 27 N., R. 17 W., 63 meters (207 ft.) E. of lane leading to dwelling of Mrs. T. J. Williams, 12 meters (39 ft.) S. of rd., 5 meters (16 ft.) S. of fence, in concrete post; U.S.C. & G.S. standard disk stamped "Painter 1928"	Foot 1,703.264
Reference mark 2, W. of sta., 26 ft. S. of rd., 15 ft. E. of lane, 7 ft. S. of fence, in concrete post; U.S.C. & G.S. standard disk	1,702.976
Dogwood, 1 mi. SE. of, along State Highway 14, 200 ft. SW. of dwelling, 40 ft. E. of highway at private rd. SW., in root of 18-in. oak tree; copper nail	1,690.30

4. NORTH ALONG NORTH HALF OF EAST BORDER OF QUADRANGLE

Seymour, 0.6 mi. E. of, 60 ft. W. of rd. fork N., on N. head wall of concrete culvert; chiseled square	1,626.79
Seymour, about 1 mi. E. and 0.7 mi. N. from, near S. sixteenth cor. between secs. 35 and 36, T. 29 N., R. 17 W., on E. side of rd., on head wall of concrete culvert; chiseled square	1,630.42
Mountain Dale School, 1.1 mi. S. of, 15 ft. SE. of crossroads, on boulder; chiseled square	1,581.94
Mountain Dale School, about 0.2 mi. N. of SW. cor. sec. 24, T. 29 N., R. 17 W., 6 ft. W. of S. entrance to schoolhouse, in concrete step; standard tablet stamped "T T 104 B 1932"	1,563.588
Reference mark, 125 ft. NW. of tablet, in root of 30-in. oak tree; copper nail	1,557.62
T. 29 N., R. 17 W., quarter cor. between secs. 13 and 14, 35 ft. NE. of crossroads, in root of 15-in. oak tree; copper nail	1,623.41
T. 29 N., R. 17 W., 0.2 mi. N. of cor. secs. 11, 12, 13, and 14, 9 ft. N. and 28 ft. E. from dim T-rd. E., 2 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 105 B 1932"	1,666.786
Reference mark, 480 ft. N. of tablet, in root of 18-in. oak tree; copper nail	1,673.69
T. 29 N., R. 17 W., S. sixteenth cor. between secs. 1 and 2, at top of hill, on W. side of rd., in root of 18-in. oak tree; copper nail	1,692.19
T. 29 N., R. 17 W., 1.2 mi. N. of cor. secs. 1, 2, 11, and 12, 17 ft. N. and 39 ft. W. from crossroads, 13 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 106 B 1932"	1,563.668
Reference mark, 80 ft. S. of tablet, in root of 20-in. elm tree; copper nail	1,564.20

(Continued in Niangua quadrangle; see line 5.)

5. FROM FORDLAND NORTH AND EAST TO NORTH BORDER OF QUADRANGLE, THENCE EAST TO NORTHEAST CORNER (by T. G. Drummond in 1936)

U.S.C. & G.S. standard disk stamped "G 6 1928"	1,610.085
Fordland, 0.2 mi. E. of St. Louis-San Francisco Ry. sta., 250 ft. N. of track, 37 ft. N. 78° E. of SE. corner of church building, at corner of rd. N. to Marshfield, 4 ft. N. of concrete sidewalk; iron post stamped "Prim Trav Sta No 35 1913 Mo"	1,607.592
Bottom of hill, 20 ft. W. of rd., opposite stone and corrugated iron barn, in root on W. side of 8-in. black-jack-oak tree; crossed nails	1,519.57
Fordland, 1 mi. N. of, 15 ft. N. and 18 ft. W. from T-rd. E., in root on NW. side of 10-in. hickory tree; copper nail and washer	1,554.14
T. 29 N., R. 18 W., in SE $\frac{1}{4}$ sec. 19, 30 ft. N. and 180 ft. E. from rd. at Panther Creek, 45 ft. E. of center of triangle formed by rd. forks, opposite Pleasant View Church, in root on W. side of 16-in. white-oak tree; copper nail and washer	1,406.25
Valley, 70 ft. W. of rd., opposite dwelling of Gilbert Stone, in root on E. side of 14-in. oak tree; crossed nails	1,438.19
T. 29 N., R. 18 W., near quarter cor. between secs. 17 and 20, 110 ft. N. and 27 ft. E. from T-rd. W., 40 ft. W. of rd., in root on SW. side of 14-in. oak tree; copper nail and washer	1,552.05
Crossroads, 65 ft. S. and 40 ft. E. from, in root on NW. side of 14-in. white-oak tree; crossed nails	1,531.17
T. 29 N., R. 18 W., in NE $\frac{1}{4}$ sec. 17, 90 ft. S. and 21 ft. W. from crossroads, 4 ft. W. of fence, in root on E. side of 10-in. white-oak tree; copper nail and washer	1,572.78
Fordland, 5 mi. N. of, in E $\frac{1}{4}$ sec. 8, T. 29 N., R. 18 W., 69 ft. S. 67° W. of SW. corner of church, on E. side of rd.; iron post stamped "Prim Trav Sta No 34 1913 Mo"	1,524.333
Rd. fork S., 80 ft. N. and 50 ft. E. from center of triangle, opposite dwelling of Delbert Cass, in root on W. side of 12-in. catalpa tree; crossed nails	1,447.61
T. 29 N., R. 18 W., about 0.5 mi. N. of cor. secs. 4, 5, 8, and 9, about 600 ft. E. of rd. at crossing of Dry Creek, 35 ft. E. of rd. fork N., in root on W. side of 16-in. hickory tree; copper nail and washer	1,378.00
Rd. corner from E. to S., 21 ft. E. of, on ridge, in root on N. side of 16-in. white-oak tree; crossed nails	1,482.29
T. 29 N., R. 18 W., 15 ft. S. and 10 ft. E. from approximate cor. secs. 3, 4, 9, and 10, 5 ft. N. of fence, in root on W. side of 28-in. post-oak tree; copper nail and washer	1,501.07
T. 29 N., R. 18 W., cor. secs. 2, 3, 10, and 11, 25 ft. S. and 48 ft. W. from crossroads, in root on NE. side of 12-in. oak tree; copper nail and washer	1,499.11
Shingle bungalow, 15 ft. W. of rd., on top of head wall of concrete culvert; chiseled square	1,396.32

T. 29 N., R. 18 W., near center sec. 2, 6 mi. N. of U.S. Highway 60, in top of W. wing wall of N. abutment of County Route A bridge over James River; standard tablet stamped "T T 109 B 1932"	<u>Feet</u> 1,360.243
T. 29 N., R. 18 W., in E ₂ sec. 2, 40 ft. N. and 210 ft. W. from rd. at crossing of Linden Creek, in root on W. side of twin black-oak tree; copper nail and washer	1,390.64

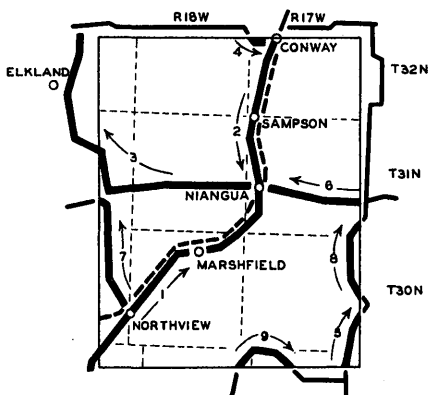
(For balance in Niangua quadrangle, see line 9.)

T. 29 N., R. 17 W., 1.2 mi. N. and 0.2 mi. E. from cor. secs. 3, 4, 9, and 10, 0.8 mi. W. of Carpenter's store, 25 ft. N. and 15 ft. W. from rd. corner E. and N., in concrete post; standard tablet stamped "T T 107 B 1932"	1,568.568
T. 29 N., R. 17 W., 1.2 mi. N. of S. cor. secs. 2 and 3, 27 ft. N. and 27 ft. E. from crossroads, at Carpenter's store, in SW. corner of concrete foundation of gasoline pump; chiseled square	1,602.02
T-rd. N., 15 ft. S. of, at N. side of 12-in. corner fence post; surface of ground	1,597.7
T. 29 N., R. 17 W., 1.2 mi. N. of S. cor. secs. 1 and 2, 135 ft. S. and 45 ft. E. from crossroads, in root on W. side of 12-in. black-oak tree; copper nail and washer	1,633.80
Mountain View Church, 200 ft. E. of, on high ridge, 15 ft. S. of rd., in root on N. side of 12-in. black-oak tree; crossed nails	1,694.60

For an additional level line along St. Louis-San Francisco Ry., refer to U.S. Coast and Geodetic Survey first-order line, Monett, Mo. to Memphis, Tenn.

NIANGUA QUADRANGLE
(Latitude 37°15'-37°30'; longitude 92°45'-93°00')

Dallas, Laclede, and Webster Counties



1. FROM SOUTHWEST CORNER OF QUADRANGLE NORTHEAST TO MARSHFIELD, INCLUDING THAT PART OF THE LINE IN SPRINGFIELD NO. 1 QUADRANGLE (by E. W. Couchenour in 1931)
(Continued from Fordland quadrangle; see line 1.)

Northview, 2 mi. S. of, 50 ft. S. and 15 ft. E. from E. end of ford across James River, in root on W. side of 18-in. elm tree; copper nail and washer	1,268.35
Northview, 0.8 mi. S. of, about 0.2 mi. W. of center sec. 35, T. 30 N., R. 19 W., 22 ft. S. and 10 ft. W. from SW. corner of triangle formed by rd. fork SE., in root on SE. side of 24-in. black-oak tree; copper nail and washer	1,399.93
Northview, 23 ft. S. and 59 ft. W. from St. Louis-San Francisco Ry. at rd. crossing, 22 ft. S. and 1 ft. E. from NE. corner of mill and feed store, in concrete post; standard tablet stamped "T T 28 W 1931"	1,439.171
Reference mark, on S. end of bottom concrete step to feed store; chiseled square	1,439.38
Northview, 1 mi. NE. of, along St. Louis-San Francisco Ry., 140 ft. N. of milepost 218.35, 35 ft. NW. of track, in root on S. side of 24-in. black-oak tree; copper nail and washer	1,467.00
Northview, 2 mi. NE. of, along St. Louis-San Francisco Ry., 700 ft. NE. of milepost 217.35, 40 ft. N. and 35 ft. W. from rd. crossing, in root on W. side of twin hickory tree; copper nail and washer	1,467.58
Marshfield, 3 mi. SW. of, along St. Louis-San Francisco Ry., 10 ft. S. and 19 ft. E. from semaphore 2162, 8 ft. N. of telegraph pole, in concrete post; standard tablet stamped "T T 27 W 1931"	1,516.244
Reference mark, 4 ft. S. of semaphore 2162, in concrete battery wall; top of E. center bolt	1,513.73

Marshfield, 2 mi. SW. of, along St. Louis-San Francisco Ry., 90 ft. S. and 50 ft. E. from rd. crossing, in root on N. side of 30-in. post-oak tree; copper nail and washer	Feet 1,487.32
Marshfield, at SW. limits of, 83 ft. N. and 35 ft. E. from St. Louis-San Francisco Ry. at crossing of westernmost street, in root on W. side of 24-in. white-oak tree; copper nail and washer	1,475.73
Marshfield, 500 ft. S. and 450 ft. E. from St. Louis-San Francisco Ry. sta., 40 ft. W. of N-S. street, on property of T. B. Pamplin; iron post stamped "Prim Trav Sta No 33 1913 Mo"	1,484.228
Reference mark, 185 ft. N. and 48 ft. E. from tablet, 27 ft. S. and 10 ft. E. from T-street S., on E. end of concrete culvert; chiseled square	1,483.91

2. FROM NORTH BORDER OF QUADRANGLE SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO MARSHFIELD (by George W. Moore in 1931)
(Continued from Long Lane quadrangle; see line 2.)

Conway, 0.2 mi. SW. of St. Louis-San Francisco Ry. sta., 110 ft. NW. of track, about 250 ft. N. 82°30' E. of cupola of brick school building, 2 ft. E. of NE. corner of board fence around Catholic Church grounds; iron post stamped "Prim Trav Sta No 31 1913 Mo"	1,403.895
Reference mark, 33 ft. S. of tablet, in churchyard, in root on W. side of 12-in. maple tree; copper nail and washer	1,403.70
Conway, 0.8 mi. S. of, along St. Louis-San Francisco Ry., near center sec. 17, T. 32 N., R. 17 W., 75 ft. SW. of rd. crossing, on top of N. end of W. head wall of concrete culvert; chiseled square	1,431.30
Conway, 1.5 mi. SW. of, along St. Louis-San Francisco Ry., in NW. cor. sec. 20, T. 32 N., R. 17 W., at Laclede-Webster county line, 320 ft. S. of rd. crossing, 75 ft. E. of U.S. Highway 66, on top of NE. corner of concrete base of semaphore 1999; chiseled square	1,453.26
Conway, 2.5 mi. SW. of, along St. Louis-San Francisco Ry., in NW. cor. sec. 29, T. 32 N., R. 17 W., 60 ft. W. of track, 25 ft. W. of water tower, 35 ft. E. of old highway, in root on SE. side of 15-in. oak tree; copper nail and washer	1,412.84
Sampson, 1.6 mi. NE. of, along St. Louis-San Francisco Ry., near quarter cor. between secs. 29 and 30, T. 32 N., R. 17 W., 115 ft. SW. of rd. crossing, NW. of track, on top of NE. corner of concrete base of semaphore 2013; chiseled square	1,423.44
Sampson, 0.9 mi. N. of, along St. Louis-San Francisco Ry., in NW. cor. NE¼ sec. 31, T. 32 N., R. 17 W., 660 ft. S. of rd. crossing, on SW. side of concrete base of semaphore 2081; chiseled square	1,431.02
Sampson, near center of SE¼ sec. 31, T. 32 N., R. 17 W., 10 ft. W. of NW. corner of St. Louis-San Francisco Ry. sta., 70 ft. E. of crossroads, 35 ft. S. and 21 ft. W. from rd. crossing, in concrete post; standard tablet stamped "115 M 1931"	1,400.865
Reference mark, 60 ft. N. of tablet, on W. side of tracks, on NW. corner of concrete base of semaphore 2029; chiseled square	1,403.65
Sampson, 0.5 mi. S. of, along St. Louis-San Francisco Ry., in E½ sec. 6, T. 31 N., R. 17 W., 75 ft. N. and 50 ft. E. from rd. crossing, in root on W. side of 13-in. white-oak tree; copper nail and washer	1,396.38
Sampson, 1.1 mi. S. of, along St. Louis-San Francisco Ry., in SE¼ sec. 6, T. 31 N., R. 17 W., 40 ft. S. and 12 ft. W. from rd. crossing, on top of W. head wall of concrete culvert; chiseled square	1,387.26
Sampson, 1.6 mi. S. of, along St. Louis-San Francisco Ry., in NE¼ sec. 7, T. 31 N., R. 17 W., SE. of track, on top of SW. corner of concrete base of semaphore 2046; chiseled square	1,357.59
Sampson, 2.8 mi. S. of, along St. Louis-San Francisco Ry., in NE¼ sec. 18, T. 31 N., R. 17 W., E. of track, on top of SW. corner of concrete base of semaphore 2058; chiseled square	1,412.43
Niangua, 0.4 mi. E. of, along St. Louis-San Francisco Ry., in NW¼ sec. 20, T. 31 N., R. 17 W., W. of track, 20 ft. N. of switch, on top of SE. corner of concrete base of semaphore 2067; chiseled square	1,445.27
Niangua, 830 ft. S. of St. Louis-San Francisco Ry. sta., 60 ft. W. of track, 3 ft. N. of fence; iron post stamped "Prim Trav Sta No 32 1913 Mo"	1,434.876
Reference mark, 65 ft. NW. of tablet, on top of S. end of E. head wall of concrete culvert; chiseled square	1,436.02
Niangua, 0.9 mi. S. of, along St. Louis-San Francisco Ry., in W½ sec. 29, T. 31 N., R. 17 W., 149 ft. N. of semaphore 2077, on top of S. end of W. head wall of concrete culvert; chiseled square	1,455.78
Niangua, 1.8 mi. S. of, along St. Louis-San Francisco Ry., in NW¼ sec. 32, T. 31 N., R. 17 W., 50 ft. S. and 75 ft. W. from rd. crossing, 60 ft. S. of T-rd. E., on N. end of E. head wall of concrete culvert; chiseled square	1,465.82
Niangua, 2.5 mi. S. of, along St. Louis-San Francisco Ry., at S. sixteenth cor. sec. 31, T. 31 N., R. 17 W., 40 ft. NE. of rd. crossing, on top of NW. corner of concrete base of semaphore 2092; chiseled square	1,460.90
Marshfield, 3 mi. NE. of, along St. Louis-San Francisco Ry., near quarter cor. between secs. 1 and 6, T. 30 N., R. 17 and 18 W., 80 ft. NW. of rd. crossing, 15 ft. S. and 30 ft. W. from crossroads, inside of fence, in concrete post; standard tablet stamped "116 M 1931"	1,435.037
Reference mark, 295 ft. SW. of tablet, on center of SE. head wall of concrete culvert; chiseled square	1,431.21
Marshfield, 2.2 mi. E. of, along St. Louis-San Francisco Ry., near quarter cor. between secs. 1 and 12, T. 30 N., R. 18 W., 100 ft. SW. of rd. crossing, E. of track, 75 ft. S. and 30 ft. E. from T-rd. NE., on NW. side of concrete battery wall at semaphore 2110; chiseled square	1,471.20
Marshfield, 1.3 mi. E. of, along St. Louis-San Francisco Ry., in N. part of SE¼ sec. 11, T. 30 N., R. 18 W., 170 ft. W. of R.R. yard-limit sign, 95 ft. W. of fence, on E. end of S. head wall of concrete culvert; chiseled square	1,474.56

3. FROM NIANGUA WEST TO WEST BORDER OF QUADRANGLE, THENCE NORTH TO NORTHWEST CORNER, INCLUDING THAT PART OF THE LINE IN SPRINGFIELD NO. 1 QUADRANGLE (by L. V. Johnson in 1932)

	Feet
Niangua, 0.9 mi. W. of, along rd. to Plank School, 12 ft. N. and 18 ft. W. from small, concrete bridge over large drain, in root on S. side of 12-in. oak tree; copper nail and washer	1,355.67
Niangua, 1.6 mi. W. of, along rd. to Plank School, 40 ft. S. and 35 ft. W. from U.S. Highway 66 at crossroad, in root on NW. side of 20-in. hickory tree; copper nail and washer	1,361.82
Niangua, 2.7 mi. W. of, 0.6 mi. E. of Plank School, near cor. secs. 23, 24, 25, and 26, T. 31 N., R. 18 W., on concrete rail at SE. corner of bridge over branch of Niangua River; chiseled square	1,256.66
Niangua, 3.3 mi. W. of, near quarter cor. between secs. 23 and 26, T. 31 N., R. 18 W., about 380 ft. NE. of Plank School, 20 ft. S. and 15 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 123 B 1932"	1,320.664
Reference mark, on E. side of schoolhouse, on NE. corner of top step; chiseled square	1,333.27
Niangua, 4.3 mi. W. of, near quarter cor. between secs. 22 and 27, T. 31 N., R. 18 W., 32 ft. N. and 32 ft. E. from T-rd. E., in root on N. side of 3-in. oak tree; copper nail and washer	1,402.98
Niangua, about 5.3 mi. W. of, about 900 ft. S. of quarter cor. between secs. 21 and 28, T. 31 N., R. 18 W., 17 ft. E. of rd., in front of dwelling of Earl Hyde, on W. end of concrete walk; chiseled square	1,275.94
Jameson School, 0.2 mi. E. of, near quarter cor. between secs. 20 and 29, T. 31 N., R. 18 W., 30 ft. E. of rd. forks, in concrete post; standard tablet stamped "T T 124 B 1932"	1,283.232
Reference mark, 20 ft. S. and 75 ft. W. from rd. forks, on NW. corner of old concrete foundation for dwelling; chiseled square	1,279.71
Jameson School, about 1.2 mi. W. of, about 0.2 mi. W. of quarter cor. between secs. 19 and 30, T. 31 N., R. 18 W., at bottom of small ravine, 15 ft. N. and 33 ft. E. from junction of private rd. E., in root on S. side of twin oak tree; copper nail and washer	1,271.41
Jameson School, about 2 mi. W. of, near quarter cor. between secs. 24 and 25, T. 31 N., R. 19 W., 12 ft. S. and 11 ft. E. from rd. in front of dwelling of P. B. Manning, in root on N. side of 36-in. oak tree; copper nail and washer	1,320.60
Sand Spring School, 68 ft. S. of SE. corner of, at quarter cor. between secs. 23 and 26, T. 31 N., R. 19 W., 28 ft. N. and 72 ft. W. from T-rd. N., in concrete post; standard tablet stamped "T T 125 B 1932"	1,418.786
Reference mark, 28 ft. E. of tablet, in root on S. side of 12-in. oak tree; copper nail and washer	1,417.75
Sand Spring School, about 0.5 mi. W. of, near cor. secs. 22, 23, 26, and 27, T. 31 N., R. 19 W., 18 ft. S. and 20 ft. E. from crossroads, in root on N. side of 12-in. oak tree; copper nail and washer	1,437.54
Sand Spring School, about 1.5 mi. NW. of, near cor. secs. 14, 15, 22, and 23, T. 31 N., R. 19 W., 15 ft. S. and 16 ft. W. from T-rd. E., 8 ft. S. of T-fence W., in S. end of wooden brace to corner post; copper nail	1,333.32
T. 31 N., R. 19 W., near cor. secs. 10, 11, 14, and 15, 15 ft. S. and 15 ft. W. from T-rd. S., at fence corner, on base of concrete post; chiseled square	1,238.98
T. 31 N., R. 19 W., quarter cor. between secs. 10 and 15, 38 ft. N. and 20 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T 126 B 1932" (Reset 51 ft. S. and 15 ft. E. from above described location by A. C. McCutchen April 13, 1936. Given elevation is for new location.)	1,319.781
Reference mark, 15 ft. S. and 17 ft. E. from T-rd. E., at fence corner, on top of concrete post; chiseled square	1,323.43
T. 31 N., R. 19 W., near quarter cor. between secs. 9 and 16, 20 ft. W. of rd. fork E., in root on NW. side of 15-in. oak tree; copper nail and washer	1,335.64
Elkland, 1 mi. S. of, near W. sixteenth cor. between secs. 4 and 9, T. 31 N., R. 19 W., 25 ft. N. and 20 ft. W. from T-rd. W., in root on SE. side of 16-in. oak tree; copper nail and washer	1,322.42
Elkland, 0.2 mi. E. of, 45 ft. N. and 72 ft. E. from T-rd. S., 26 ft. N. of rd., 15 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 127 B 1932"	1,335.512
Reference mark, 60 ft. N. and 25 ft. E. from T-rd. N. at Elkland, at SW. corner of store and post office, on concrete porch; chiseled square	1,342.74
Elkland, 1 mi. N. of, near cor. secs. 28, 29, 32, and 33, T. 32 N., R. 19 W., 75 ft. S. and 18 ft. E. (?) from T-rd. S., in fence line, in root on NE. side of twin oak tree; copper nail and washer	1,362.47
Elkland triangulation sta., 1 mi. N., thence 0.5 mi. E. from Elkland, in SW. sec. 28, T. 32 N., R. 19 W., about 0.5 mi. SE. of dwelling of Lewis Davidson, in NE. corner of field, 300 meters (984 ft.) N. of rd., 75 meters (246 ft.) W. of fence, 136 meters (443 ft.) S. of fence, in concrete post; U.S.C. & G.S. standard disk stamped "Elkland 1928"	1,389.113
Reference mark 2, 245 ft. E. of sta., in fence row, in concrete post; U.S.C. & G.S. standard disk	1,388.204
Elkland, 2 mi. N. and 1 mi. E. from, near cor. secs. 21, 22, 27, and 28, T. 32 N., R. 19 W., 5 ft. S. and 15 ft. W. from rd. corner W. to N., in root on SW. side of 12-in. oak tree; copper nail and washer	1,270.16
Elkland, 4 mi. NE. of, 15 ft. S. and 5 ft. E. from rd. corner E. to N. at cor. secs. 15, 16, 21, and 22, T. 32 N., R. 19 W., on Dallas-Webster county line, 6 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 128 B 1932"	1,208.657

(Continued in Long Lane quadrangle; see line 4.)

4. NEAR CENTER OF NORTH BORDER OF QUADRANGLE
(Continued from Long Lane quadrangle; see line 4.)

Conway, 1.2 mi. W. of, 110 ft. E. of junction of private rd. SW. at N.-S. fences, 22 ft. N. of rd., in root on SW. side of triangular-blazed 18-in. oak tree; copper nail and washer	Feet 1,386.94
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5. IN SOUTHEAST CORNER OF QUADRANGLE (by C. E. Reick in 1932)
(Continued from Fordland quadrangle; see line 4.)

T. 29 N., R. 17 W., 0.2 mi. S. of NE. cor. sec. 2, 50 ft. SW. of rd. corner, in root of 18-in. oak tree; copper nail	1,564.62
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(Continued in Grovespring quadrangle; see line 2.)

6. FROM EAST BORDER OF QUADRANGLE WEST TO NIANGUA
(Continued from Grovespring quadrangle; see line 3.)

Niangua, 4.6 mi. E. of, at top of hill, S. of rd., in root of 20-in. oak tree; copper nail	1,433.28
Niangua, 3.9 mi. E. of, in SE $\frac{1}{4}$ sec. 26, T. 31 N., R. 17 W., about 0.8 mi. E. of Osage Fork of Gasconade River, on top of hill, 23 ft. S. and 65 ft. W. from rd. forks, in concrete post; standard tablet stamped "T T 122 B 1932"	1,411.251
Reference mark, 260 ft. W. of tablet, on small boulder; chiseled square	1,401.24
Niangua, 2.9 mi. E. of, on line between secs. 22 and 27, T. 31 N., R. 17 W., 60 ft. S. of rd. forks, on NW. abutment of bridge over Gasconade River; chiseled square	1,222.68
Niangua, 1 mi. E. of, 60 ft. SE. of crossroads, in root of 24-in. walnut tree; copper nail	1,407.49

7. FROM NORTHVIEW NORTH TO CENTER OF WEST BORDER OF QUADRANGLE (by Cornish Beck in 1935)

T. 30 N., R. 19 W., in SW $\frac{1}{4}$ sec. 23, on U.S. Highway 66, on N. wing wall of bridge G-699; chiseled square	1,294.76
T. 30 N., R. 19 W., near S. sixteenth cor. sec. 14, 80 ft. S. and 22 ft. E. from rd. at E.-W. fences, 20 ft. N. and 22 ft. E. from rd. at driveway to dwelling of C. A. Hawkins, in root on W. side of 20-in. water-oak tree; copper nail and washer	1,382.14
T. 30 N., R. 19 W., about 455 ft. S. of center sec. 11, 20 ft. N. and 25 ft. E. from T-rd. E., 7 ft. S. and 122 ft. E. from dwelling of Mary Barnhart, in concrete post; standard tablet stamped "1296 E R A 1935"	1,356.366
T. 30 N., R. 19 W., near cor. secs. 1, 2, 11, and 12, 30 ft. N. and 80 ft. W. from crossroads, in root on E. side of 18-in. post-oak tree; copper nail and washer	1,407.18
T. 31 N., R. 19 W., near SW. cor. sec. 36, about 110 ft. N. of E.-W. rd. on township line, 40 ft. E. of N.-S. rd., 21 ft. N. of County Route H at curve, on NE. end of iron pipe culvert; painted cross	1,442.09
T. 31 N., R. 19 W., 39 ft. S. and 123 ft. W. from rd. at fence S. at approximate center sec. 35, 18 ft. N. and 46 ft. W. from NW. corner of dwelling of H. J. Koby, 3 ft. E. of garden fence, in concrete post; standard tablet stamped "1297 E R A 1935"	1,406.718

8. NORTH ALONG SOUTH HALF OF EAST BORDER OF QUADRANGLE

T. 30 N., R. 17 W., near E. sixteenth cor. sec. 24, 20 ft. S. and 30 ft. E. from T-rd., 3 ft. S. of fence, in root on NW. side of 10-in. post-oak tree; copper nail and washer	1,440.72
T. 30 N., R. 17 W., near quarter cor. between secs. 13 and 14, 30 ft. S. and 158 ft. E. from T-rd., in fence line, in root on NW. side of 14-in. post-oak tree; copper nail and washer	1,428.66
T. 30 N., R. 17 W., about 790 ft. N. of quarter cor. between secs. 12 and 13, 24 ft. E. of N.-S. rd., 25 ft. S. and 48 ft. W. from SW. corner of dwelling of W. Deckard, in concrete post; standard tablet stamped "1903 E R A 1935"	1,451.546
T. 30 N., R. 17 W., near S. sixteenth cor. sec. 1, about 28 ft. N. and 5 ft. E. from rd. forks, 8 ft. N. and 1 ft. W. from T-fence, in root on SE. side of 4-in. post-oak tree; copper nail and washer	1,451.23
T. 31 N., R. 17 W., 0.2 mi. E. of center sec. 36, 37 ft. E. of N.-S. rd., 23 ft. S. and 24 ft. W. from SW. corner of dwelling of Charles Watson, in concrete post; standard tablet stamped "1904 E R A 1935"	1,484.462

(Continued in Grovespring quadrangle; see line 5.)

9. EAST ALONG EAST HALF OF SOUTH BORDER OF QUADRANGLE (by T. G. Drummond in 1936)

(Continued from Fordland quadrangle; see line 5.)

T. 29 N., R. 18 W., in NE $\frac{1}{4}$ sec. 1, about 1 mi. E. of dwelling of J. G. Justice, 140 ft. N. of rd., on S. bank of Linden Creek, 6 ft. N. of old rail fence, in root on E. side of 6-in. elm tree; copper nail and washer	1,432.61
T. 29 N., R. 18 W., in N. part sec. 1, 15 ft. S. of Marshfield-Seymour rd., 3 ft. E. of line of W. face of dwelling of A. E. Justice, in concrete post; standard tablet stamped "T T 108 B 1932"	1,531.787

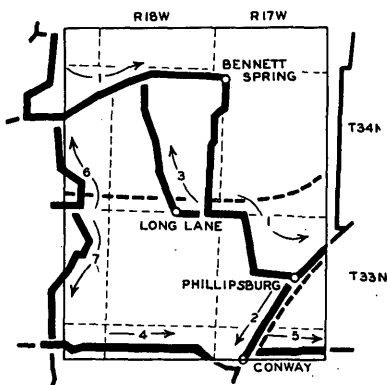
Head of large draw, 30 ft. N. of rd., in root on S. side of twin white-oak tree; crossed nails	Feet 1,509.95
T. 29 N., R. 17 W., about 0.5 mi. S. of N. quarter cor. sec. 6, 130 ft. N. of crossroads, in root on W. side of 24-in. post-oak tree; copper nail and washer	1,523.27
T. 29 N., R. 17 W., about 0.5 mi. S. of N. quarter cor. sec. 5, 45 ft. N. and 75 ft. W. from T-rd. N., in root on E. side of 14-in. black-oak tree; copper nail and washer	1,613.96
T-rd. E., 35 ft. S. and 60 ft. E. from, in root on N. side of 12-in. black-oak tree; crossed nails	1,622.83
T. 29 N., R. 17 W., 1.5 mi. N. and 0.2 mi. E. from cor. secs. 3, 4, 9, and 10, 21 ft. N. of rd. corner E. to S., in root on S. side of 12-in. black-oak tree; copper nail and washer	1,596.44

(Continued in Fordland quadrangle; see line 5.)

For an additional level line along St. Louis-San Francisco Ry., refer to U.S. Coast and Geodetic Survey second-order line, Springfield to Lebanon.

LONG LANE QUADRANGLE
(Latitude 37°30'-37°45'; longitude 92°45'-93°00')

Dallas and Laclede Counties



1. FROM POINT NEAR NORTHWEST CORNER OF QUADRANGLE SOUTH AND EAST TO POINT NEAR BENNETT SPRING, THENCE SOUTH AND SOUTHEAST TO PHILLIPSBURG, THENCE NORTHEAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO EAST BORDER, INCLUDING THAT PART OF THE LINE IN BUFFALO QUADRANGLE (by George W. Moore in 1931)

T. 35 N., R. 19 W., center sec. 27, 15 ft. N. and 45 ft. W. from T-rd. W., in root on SW. side of 19-in. oak tree; copper nail and washer	1,170.26
T. 35 N., R. 19 W., near center of SE $\frac{1}{4}$ sec. 27, on farm of J. M. Adams, 114 ft. S. and 14 ft. E. from junction of Bennett Spring State Park rd. and rd. S., in concrete post; standard tablet stamped "109 M 1931"	1,169.046
Reference mark, 22 ft. N. of tablet, 90 ft. S. and 15 ft. E. from junction of Bennett Spring State Park rd. and rd. S., in root on SW. side of 12-in. oak tree; copper nail and washer	1,169.05
T. 35 N., R. 19 W., center of SE $\frac{1}{4}$ sec. 34, 18 ft. W. of rd., at S. gatepost to yard of S. E. Pinkerton, in root on E. side of 18-in. hickory tree; copper nail and washer	1,064.85
T. 35 N., R. 19 W., S. quarter cor. sec. 34, 70 ft. S. and 50 ft. W. from T-rd. S., in root on NE. side of 20-in. oak tree; copper nail and washer	1,128.34
T. 34 N., R. 19 W., in N $\frac{1}{2}$ sec. 4, on S. bank of small stream, at W. edge of rd., in root on E. side of 18-in. oak tree; copper nail and washer	1,019.74
T. 34 N., R. 19 W., in N $\frac{1}{2}$ sec. 4, 120 ft. N. of T-rd. N., 120 ft. N. and 120 ft. E. from curve in T-rd. N., in root on E. side of 15-in. oak tree; copper nail and washer	1,108.59
T. 34 N., R. 19 W., in N $\frac{1}{2}$ sec. 4, 55 ft. S. and 50 ft. W. from rd. forks, in NE. corner of yard of J. E. Wing, in concrete post; standard tablet stamped "110 M 1931"	1,149.220
Reference mark, 166 ft. S. of tablet, at E. edge of rd., in fence line, in root on W. side of 30-in. oak tree; copper nail and washer	1,148.51
T. 34 N., R. 19 W., in NW $\frac{1}{4}$ sec. 4, 100 ft. SW. of SW. corner of Mountain View School, in root on NW. side of 16-in. oak tree; copper nail and washer	1,048.60
T. 34 N., R. 19 W., quarter cor. between secs. 4 and 9, 265 ft. N. of rd. corner from S. to W., on N. end of W. head wall of concrete culvert; chiseled square	997.81

	Foot
T. 34 N., R. 19 W., E. sixteenth cor. between secs. 5 and 8, 50 ft. S. of rd. corner from W. to S., 15 ft. E. of rd., on W. bank of small stream, in root on SW. side of twin elm tree; copper nail and washer	1,004.17
T. 34 N., R. 19 W., N. sixteenth cor. between secs. 7 and 8, 20 ft. S. and 5 ft. W. from T-rd. N., in root on S. side of 6-in. oak tree; copper nail and washer	1,073.42
Buffalo, 2 mi. N. and 2 mi. E. from, quarter cor. between secs. 7 and 18, T. 34 N., R. 19 W., 18 ft. N. and 39 ft. E. from T-rd. N., 2 ft. N. of fence, in concrete post; standard tablet stamped "T T 18 W 1931"	1,111.906
Reference mark, 35 ft. S. and 58 ft. W. from tablet, 22 ft. W. of T-fence S., in root on S. side of 23-in. oak tree; copper nail and washer	1,114.39
Buffalo, about 2 mi. N. and 2.8 mi. E. from, W. sixteenth cor. between secs. 8 and 17, T. 34 N., R. 19 W., 105 ft. N. and 150 ft. W. from rd. corner E. to S., in SW. corner of yard of Girtle McClury, in root on S. side of 18-in. elm tree; copper nail and washer	1,068.31
Buffalo, about 2.5 mi. N. and 3.2 mi. E. from, in NE $\frac{1}{4}$ sec. 17, T. 34 N., R. 19 W., on N. parapet wall of E. abutment of bridge over Niangua River; chiseled square	962.79
Buffalo, about 2.5 mi. N. and 4.5 mi. E. from, near center sec. 16, T. 34 N., R. 19 W., 27 ft. S. of rd., at E. gatepost, in root on S. side of 28-in. oak tree; copper nail and washer	1,048.57
Buffalo, 2.5 mi. N. and 5.5 mi. E. from, near W. sixteenth cor. between secs. 10 and 15, T. 34 N., R. 19 W., 40 ft. N. and 270 ft. E. from T-rd. S., 16 ft. S. of rd., 2 ft. S. of fence, in concrete post; standard tablet stamped "T T 19 W 1931"	1,125.661
Reference mark, 28 ft. N. and 5 ft. E. from T-rd. S., NE. of junction of private rd. N., 8 ft. N. and 5 ft. E. from fence corner, in root on SE. side of 24-in. oak tree; copper nail and washer	1,125.95
Buffalo, about 2.5 mi. N. and 6.3 mi. E. from, near quarter cor. between secs. 10 and 11, T. 34 N., R. 19 W., 10 ft. N. and 25 ft. W. from T-rd. S., in root on E. side of 24-in. oak tree; copper nail and washer	1,036.35
Buffalo, about 3.3 mi. N. and 6.8 mi. E. from, in NE $\frac{1}{4}$ sec. 11, T. 34 N., R. 19 W., 325 ft. E. of T-fence S., 40 ft. S. of rd., in NE. corner of yard of Benton Branch Church, on NW. corner of concrete platform of well; chiseled square	1,004.17
Buffalo, about 3.3 mi. N. and 7 mi. E. from, in NE. cor. sec. 11, T. 34 N., R. 19 W., in triangle formed by rd. forks, 2 ft. N. of mail boxes, in root on SW. side of tree; copper nail and washer	956.97
Buffalo, about 3.4 mi. N. and 7.1 mi. E. from, in NE. cor. sec. 11, T. 34 N., R. 19 W., 35 ft. NE. of T-rd. SE., 130 ft. NE. of mail boxes in triangle formed by rd. fork N., on top of E. end of N. head wall of concrete culvert; chiseled square	956.32
Buffalo, 3.5 mi. N. and 7.5 mi. E. from, in SE. cor. sec. 1, T. 34 N., R. 19 W., 0.2 mi. W. of Niangua River, 23 ft. S. of rd., in fence line on W. side of Williams Cemetery, in concrete post; standard tablet stamped "T T 20 W 1931"	987.885
Reference mark, 63 ft. NE. of tablet, at S. edge of rd., in root on N. side of 14-in. white-oak tree; copper nail and washer	987.44
Buffalo, 3.5 mi. N. and 8 mi. E. from, in SW $\frac{1}{4}$ sec. 6, T. 34 N., R. 18 W., on E. bank of Niangua River and W. bank of creek, 70 ft. N. of rd., in root on E. side of 20-in. oak tree; copper nail and washer	922.02
Windyville, 1.3 mi. SW. of, E. sixteenth cor. sec. 6, T. 34 N., R. 18 W., 10 ft. S. and 15 ft. E. from T-rd. W., in root on NW. side of twin maple tree; copper nail and washer	959.52
Windyville, 0.9 mi. W. of, in E $\frac{1}{2}$ sec. 6, T. 34 N., R. 18 W., 35 ft. S. of rd. forks, on S. bank of Indian Creek, 15 ft. E. of rd., in root on W. side of 22-in. sycamore tree; copper nail and washer	919.19
Windyville, 0.6 mi. W. of, in E $\frac{1}{2}$ sec. 6, T. 34 N., R. 18 W., 25 ft. S. of T-rd. S., in triangle, in root on NW. side of 30-in. oak tree; copper nail and washer	939.64
Windyville, in NE $\frac{1}{4}$ sec. 5, T. 34 N., R. 18 W., 25 ft. S. and 80 ft. E. from crossroads, on top of SE. corner of concrete foundation of post office; chiseled square	1,077.97
Windyville, 0.5 mi. E. of, 12 ft. S. and 312 ft. E. from junction of rd. N. on line between secs. 4 and 5, T. 34 N., R. 18 W., 15 ft. S. of fence, in concrete post; standard tablet stamped "T T 21 W 1931"	1,108.671
Windyville, 1.2 mi. E. of, in E $\frac{1}{2}$ sec. 4, T. 34 N., R. 18 W., 25 ft. S. of rd., 7 ft. N. and 95 ft. W. from fence corner, in root on SE. side of 24-in. oak tree; copper nail and washer	1,098.20
Windyville, 2.1 mi. E. of, in NE $\frac{1}{4}$ sec. 3, T. 34 N., R. 18 W., at top of hill, 25 ft. S. and 70 ft. W. from private rd. N., at E. gatepost to pasture, in root on N. side of 14-in. oak tree; copper nail and washer	1,069.38
Windyville, 2.3 mi. E. of, in E $\frac{1}{2}$ sec. 3, T. 34 N., R. 18 W., at foot of hill, on top of N. head wall of concrete culvert; painted square	937.91
Windyville, 2.4 mi. E. of, in E $\frac{1}{2}$ sec. 3, T. 34 N., R. 18 W., 150 ft. N. of rd. forks, 50 ft. W. of rd., at N. edge of cut-off rd., in root on W. side of 13-in. oak tree; copper nail and washer	914.44
Windyville, 3 mi. E. of, in W $\frac{1}{2}$ sec. 2, T. 34 N., R. 18 W., 250 ft. E. of sharp curve in rd. at foot of hill, 110 ft. W. of Niangua River, at N. edge of abandoned rd. to ford, 15 ft. N. and 20 ft. E. from large, wooden gate to pasture, in root on S. side of 36-in. sycamore tree; copper nail and washer	883.83
Windyville, 3.1 mi. E. of, in W $\frac{1}{2}$ sec. 2, T. 34 N., R. 18 W., on E. bank of Niangua River, 30 ft. E. of rd. forks at ford, 25 ft. SE. of gate, in root on NE. side of 15-in. walnut tree; copper nail and washer	889.48
Windyville, 4.1 mi. E. of, on line between secs. 1 and 2, T. 34 N., R. 18 W., 105 ft. W. of rd. forks, 35 ft. N. of rd., 30 ft. S. and 30 ft. W. from fence corner, in root on E. side of 24-in. oak tree; copper nail and washer	1,118.35

	Feet
Windyville, 4.4 mi. E. of, in NW $\frac{1}{4}$ sec. 1, T. 34 N., R. 18 W., 29 ft. W. of rd. N., 53 ft. N. of rd. E., 28 ft. N. of rd. W., 2 ft. S. of fence, in concrete post; standard tablet stamped "T T 22 W 1931"	1,120.234
Reference mark, 52 ft. S. of tablet, in root on NE. side of blazed 22-in. oak tree; copper nail and washer	1,121.58
Windyville, about 4.4 mi. E. and 0.5 mi. S. from, in SW $\frac{1}{4}$ sec. 1, T. 34 N., R. 18 W., 35 ft. N. and 10 ft. E. from T-rd. N., in root on E. side of 9-in. oak tree; copper nail and washer	1,139.22
Flatwood School, near quarter cor. between secs. 1 and 12, T. 34 N., R. 18 W., 95 ft. S. and 55 ft. E. from T-rd. W., on W. edge of flag-stone platform at entrance to schoolhouse; chiseled square	1,147.02
Flatwood School, about 1 mi. SW. of, quarter cor. between secs. 11 and 12, T. 34 N., R. 18 W., 10 ft. N. of T-rd. W., in root on W. side of 26-in. oak tree; copper nail and washer	1,170.87
Flatwood School, about 1.5 mi. SW. of, 75 ft. S. and 110 ft. E. from cor. secs. 11, 12, 13, and 14, T. 34 N., R. 18 W., at foot of hill, 70 ft. S. and 30 ft. W. from private crossroad, in root on NE. side of 22-in. oak tree; copper nail and washer	1,047.01
Long Lane, 3.6 mi. N. and 2 mi. E. from, 400 ft. NW. of quarter cor. between secs. 13 and 14, T. 34 N., R. 18 W., on top of N. bank of Cave Creek, 54 ft. S. 60° 30' E. of triangular-blazed 22-in. oak tree, 50 ft. N. 3° 30' E. of triangular-blazed box-elder tree, in concrete post; standard tablet stamped "T T 23 W 1931"	999.673
Reference mark, 22 ft. S. and 10 ft. E. from tablet, 60 ft. N. of ford across Cave Creek, 22 ft. E. of rd., in root on W. side of 8-in. oak tree; copper nail and washer	996.25
Long Lane, about 3 mi. N. and 2 mi. E. from, near cor. secs. 13, 14, 23, and 24, T. 34 N., R. 18 W., 50 ft. N. and 20 ft. W. from T-rd. SE., at pasture gate, at fence corner, in root on SE. side of 20-in. oak tree; copper nail and washer	1,164.36
Long Lane, about 2.5 mi. N. and 2 mi. E. from, quarter cor. between secs. 23 and 24, T. 34 N., R. 18 W., at top of hill, at W. edge of rd., in root on SE. side of 16-in. hickory tree; copper nail and washer	1,175.39
Long Lane, about 2 mi. N. and 2 mi. E. from, near cor. secs. 23, 24, 25, and 26, T. 34 N., R. 18 W., 135 ft. N. and 25 ft. E. from crossroads, 25 ft. E. of rd. NW., in root on SW. side of 28-in. oak tree; copper nail and washer	1,217.72
Long Lane, about 1.2 mi. N. and 2 mi. E. from, S. sixteenth cor. between secs. 25 and 26, T. 34 N., R. 18 W., 10 ft. N. and 15 ft. W. from T-rd. W., in base of 10-in. corner fence post; spike	1,220.31
Long Lane, about 1 mi. N. and 2 mi. E. from, cor. secs. 25, 26, 35, and 36, T. 34 N., R. 18 W., 15 ft. S. and 20 ft. E. from crossroads, in NW. corner of farmyard of J. W. Walker, in root on S. side of 14-in. oak tree; copper nail and washer	1,238.89
Long Lane, 2 mi. E. of, 38 ft. N. and 20 ft. E. from T-rd. N. on line between secs. 1 and 2, T. 33 N., R. 18 W., 10 ft. N. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 24 W 1931"	1,215.158
Reference mark, 65 ft. S. and 20 ft. W. from tablet, 8 ft. S. of fence corner, in root on NW. side of 16-in. walnut tree; copper nail and washer	1,214.42
Long Lane, about 2.8 mi. E. of, E. sixteenth cor. between secs. 1 and 36, Tps. 33 and 34 N., R. 18 W., 22 ft. S. and 22 ft. W. from T-rd. N., on top of NW. corner of base of gasoline pump; chiseled square	1,258.96
Long Lane, about 3 mi. E. of, cor. Tps. 33 and 34 N., Rs. 17 and 18 W., 40 ft. S. and 30 ft. E. from T-rd. S., 15 ft. S. and 12 ft. E. from fence corner, in root on NW. side of 13-in. oak tree; copper nail and washer	1,256.42
Long Lane, about 4 mi. E. of, cor. secs. 5, 6, 31, and 32, Tps. 33 and 34 N., R. 17 W., 10 ft. S. and 150 ft. W. from T-rd. N., 175 ft. W. of T-rd. S., on top of S. head wall of concrete culvert; chiseled square	1,274.44
Phillipsburg, 3 mi. N. and 2.5 mi. W. from, cor. secs. 5, 6, 7, and 8, T. 33 N., R. 17 W., 49 ft. S. and 27 ft. E. from crossroads, 5 ft. from fence, in concrete post; standard tablet stamped "T T 25 W 1931"	1,283.677
Reference mark, 45 ft. NW. of tablet, SW. of crossroads, on top of S. head wall of concrete culvert; chiseled square	1,277.81
Phillipsburg, about 2.4 mi. N. and 2.5 mi. W. from, 0.1 mi. S. of quarter cor. between secs. 7 and 8, T. 33 N., R. 17 W., on top of S. end of E. wing wall of N. concrete abutment of wooden bridge; chiseled square	1,231.94
Phillipsburg, about 2 mi. N. and 2.5 mi. W. from, cor. secs. 7, 8, 17, and 18, T. 33 N., R. 17 W., 240 ft. S. and 15 ft. E. from crossroads, in root on E. side of 8-in. oak tree; copper nail and washer	1,285.12
Phillipsburg, about 1 mi. N. and 2.5 mi. W. from, in NE. cor. sec. 19, T. 33 N., R. 17 W., 157 ft. S. of gate, W. of rd., inside of fence, in root on W. side of 10-in. elm tree; copper nail and washer	1,257.73
Phillipsburg, 2.5 mi. W. of, cor. secs. 19, 20, 29, and 30, T. 33 N., R. 17 W., 24 ft. N. and 15 ft. E. from T-rd. N., 2 ft. N. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 26 W 1931"	1,332.957
Reference mark, 6 ft. S. and 55 ft. W. from tablet, in root on S. side of 22-in. oak tree; copper nail and washer	1,332.05
Phillipsburg, about 1.5 mi. W. of, cor. secs. 20, 21, 28, and 29, T. 33 N., R. 17 W., 17 ft. N. and 17 ft. W. from crossroads, in root on SE. side of 8-in. oak tree; copper nail and washer	1,346.99
Phillipsburg, about 1.5 mi. W. and 0.5 mi. S. from, quarter cor. between secs. 28 and 29, T. 33 N., R. 17 W., 15 ft. N. and 12 ft. W. from T-rd. W., in root on NW. side of 15-in. oak tree; copper nail and washer	1,352.81
Phillipsburg, about 1.5 mi. W. and 1 mi. S. from, near center of SW $\frac{1}{4}$ sec. 28, T. 33 N., R. 17 W., 60 ft. W. of N.-S. fence, on N. side of U.S. Highway 66, on NW. corner of drain; chiseled square	1,379.32

Bateman triangulation sta., about 1.5 mi. SW. of Phillipsburg, in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 33, T. 33 N., R. 17 W., about 0.2 mi. E. of U.S. Highway 66, about 0.2 mi. E. of dwelling of G. L. Bateman, in small clearing 143 meters (469 ft.) S. of line between secs. 28 and 33, at NE. corner of timbered section on highest point of knoll, in concrete post; U.S.C. & G.S. standard disk stamped "Bateman 1928"	Feet 1,464.453
Reference mark 1, 350 ft. E. of sta., in concrete post; U.S.C. & G.S. standard disk stamped "Bateman 1928"	1,460.473
Phillipsburg, 1.5 mi. SW. of, along St. Louis-San Francisco Ry., 100 ft. N. of abandoned rd., at W. edge of track, on top of NW. corner of concrete base of semaphore 1953; chiseled square	1,444.28
Phillipsburg, 0.5 mi. SW. of, along St. Louis-San Francisco Ry., at NW. edge of track, on top of E. corner of concrete base of semaphore 1943; chiseled square	1,415.57
Phillipsburg, 65 ft. W. of SW. corner of St. Louis-San Francisco Ry. sta., 15 ft. E. of NE. corner of hotel, on top of old filling sta. platform; chiseled square	1,412.06
Phillipsburg, 0.8 mi. NE. of, along St. Louis-San Francisco Ry., near center of E $\frac{1}{2}$ sec. 22, T. 33 N., R. 17 W., in top of E. parapet wall of S. abutment of concrete bridge over U.S. Highway 66; standard tablet stamped "111 M 1931"	1,413.908
Reference mark, 33 ft. NW. of tablet, on top of W. parapet wall of N. abutment of bridge; chiseled square	1,414.48
Phillipsburg, 1.8 mi. NE. of, along St. Louis-San Francisco Ry., in NW $\frac{1}{4}$ sec. 14, T. 33 N., R. 17 W., at NW. edge of track, on top of E. corner of concrete base of semaphore 1921; chiseled square	1,368.92
Phillipsburg, 2.6 mi. NE. of, along St. Louis-San Francisco Ry., near cor. secs. 11, 12, 13, and 14, T. 33 N., R. 17 W., 630 ft. W. of rd. crossing, 60 ft. S. of rd., N. of track, 330 ft. W. of sighted intersection of rds., on top of SE. corner of concrete base of semaphore 1913; chiseled square	1,376.09
Huben spur, on St. Louis-San Francisco Ry., 45 ft. S. 54° W. of switch stand, 15 ft. W. of rd. crossing, 18 ft. N. of track, 5 ft. E. of cattle-guard fence; iron post stamped "Prim Trav Sta No 30 1913 Mo"	1,370.158
Reference mark, 62 ft. NW. of tablet, on top of NE. corner of concrete base of semaphore 1905; chiseled square	1,371.75

(Continued in Lebanon quadrangle; see line 1.)

2. FROM POINT 1.5 MILES SOUTHWEST OF PHILLIPSBURG SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO SOUTH BORDER OF QUADRANGLE

Phillipsburg, 2.4 mi. SW. of, along St. Louis-San Francisco Ry., in NW $\frac{1}{4}$ sec. 4, T. 32 N., R. 17 W., W. of track, on top of NE. corner of concrete base of semaphore 1963; chiseled square	1,418.11
Phillipsburg, 3.1 mi. SW. of, along St. Louis-San Francisco Ry., in E $\frac{1}{2}$ sec. 5, T. 32 N., R. 17 W., 65 ft. NE. of rd. crossing, on top of SW. corner of concrete base of semaphore 1920; chiseled square	1,407.90
Conway, 0.8 mi. N. of, along St. Louis-San Francisco Ry., in SE $\frac{1}{4}$ sec. 5, T. 32 N., R. 17 W., 45 ft. NE. of rd. crossing, in W. side of telegraph pole; spike	1,383.61

(Continued in Niangua quadrangle; see line 2.)

3. NORTH THROUGH CENTER OF NORTH HALF OF QUADRANGLE

Long Lane, 1.2 mi. E. of, near N. sixteenth cor. between secs. 2 and 3, T. 33 N., R. 18 W., at top of hill, 15 ft. N. and 165 ft. W. from T-rd. N., in root on SW. side of 22-in. oak tree; copper nail and washer	1,238.08
Long Lane, 0.5 mi. E. of, near center of NW $\frac{1}{4}$ sec. 3, T. 33 N., R. 18 W., 20 ft. S. and 540 ft. W. from T-rd. N., 120 ft. E. of T-fence S., in root on NW. side of 24-in. cherry tree; copper nail and washer	1,178.47
Long Lane, center of NE $\frac{1}{4}$ sec. 4, T. 33 N., R. 18 W., 90 ft. N. and 80 ft. E. from crossroads, on top of SW. corner of bottom step to concrete store building of E. W. Legan; chiseled square	1,148.61
Long Lane, 0.8 mi. N. of, center of E $\frac{1}{2}$ sec. 33, T. 34 N., R. 18 W., 30 ft. S. and 10 ft. W. from T-rd. E., 25 ft. W. of rd., at W. edge of private rd. NW., in root on SE. side of 16-in. oak tree; copper nail and washer	1,231.85
Long Lane, 1.2 mi. N. of, E. sixteenth cor. between secs. 28 and 33, T. 34 N., R. 18 W., 70 ft. S. and 20 ft. W. from T-rd. W., in root on W. side of 9-in. oak tree; copper nail and washer	1,198.05
Long Lane, 2.3 mi. N. of, near center of N $\frac{1}{2}$ sec. 28, T. 34 N., R. 18 W., at foot of hill, 20 ft. S. and 15 ft. E. from wooden culvert, in root on N. side of twin oak tree; copper nail and washer	1,036.02
Long Lane, 2.8 mi. N. of, in N. part of S $\frac{1}{2}$ sec. 21, T. 34 N., R. 18 W., 30 ft. N. of rd. forks, in root on S. side of 10-in. oak tree; copper nail and washer	1,169.16
Long Lane, 3 mi. N. of, center sec. 21, T. 34 N., R. 18 W., at small settlement, 50 ft. N. and 50 ft. E. from T-rd. E., in root on W. side of 22-in. oak tree; copper nail and washer	1,161.99
Long Lane, 3.9 mi. N. of, near center sec. 16, T. 34 N., R. 18 W., 110 ft. N. and 35 ft. E. from T-rd. E., 20 ft. E. of T-rd. W., in root on NW. side of 20-in. oak tree; copper nail and washer	1,118.45
Long Lane, 4.4 mi. N. of, near center of N $\frac{1}{2}$ sec. 16, T. 34 N., R. 18 W., 45 ft. N. and 20 ft. E. from rd. fork NE., at mail boxes, in root on E. side of 15-in. oak tree; copper nail and washer	1,095.63

Long Lane, 5 mi. N. of, near S. sixteenth cor. between secs. 8 and 9, T. 34 N., R. 18 W., 20 ft. N. and 50 ft. E. from wooden culvert, on hill, inside of fence, in root on E. side of 25-in. oak tree; copper nail and washer	<u>Feet</u> 1,015.57
Long Lane, 5.7 mi. N. of, in NE $\frac{1}{4}$ sec. 8, T. 34 N., R. 18 W., on N. bank of Niangua River, 175 ft. E. of sharp curve in rd. at foot of hill, 15 ft. W. of ford, at S. edge of rd., in root on NW. side of leaning, 8-in. sycamore tree; copper nail and washer	909.09
Windyville, 1.2 mi. S. of, near S. sixteenth cor. sec. 5, T. 34 N., R. 18 W., 30 ft. N. and 25 ft. W. from T-rd. E., 50 ft. N. and 5 ft. W. from fence corner, in root on E. side of 24-in. oak tree; copper nail and washer	1,000.30

4. EAST ALONG SOUTH BORDER OF QUADRANGLE TO CONWAY, INCLUDING THAT PART OF THE LINE IN BUFFALO QUADRANGLE (by L. V. Johnson in 1932)

(Continued from Niangua quadrangle; see line 3.)

Charity, 1.3 mi. S. of, near cor. secs. 9, 10, 15, and 16, T. 32 N., R. 19 W., 40 ft. S. and 50 ft. E. from rd. fork E., 22 ft. N. of NE. corner of shack, in root on NE. side of 12-in. hickory tree; copper nail and washer	1,173.02
Charity, 0.6 mi. S. of, near quarter cor. between secs. 9 and 10, T. 32 N., R. 19 W., 12 ft. S. and 5 ft. E. from T-rd. N., in root on W. side of large, twin oak tree; copper nail and washer	1,180.48
Charity, in SE $\frac{1}{4}$ sec. 4, T. 32 N., R. 19 W., 55 ft. S. of front entrance to general store of O. O. Atteberry, 24 ft. E. of rd., in concrete post; standard tablet stamped "T T 129 B 1932"	1,187.933
Reference mark, 35 ft. N. and 7 ft. E. from tablet, in root on NW. side of 20-in. oak tree; copper nail and washer	1,188.31
Charity, 0.8 mi. E. of, on NW. concrete wing wall of small wooden bridge over branch of Niangua River; chiseled square	1,088.43
Charity, 1.5 mi. E. of, near W. sixteenth cor. between secs. 2 and 11, T. 32 N., R. 19 W., 23 ft. S. and 150 ft. E. from crossroads, in root on N. side of 10-in. hickory tree; copper nail and washer	1,147.36
Charity, 2.5 mi. E. of, about 0.2 mi. N. of cor. secs. 1, 2, 11, and 12, T. 32 N., R. 19 W., 22 ft. S. and 15 ft. W. from junction of rd. E., 30 ft. W. of mail box of Lester Boyd, 2 ft. W. of fence, in concrete post; standard tablet stamped "14 J 1932"	1,093.367
Reference mark, 110 ft. E. of rd. fork E., 12 ft. S. of rd., in root on N. side of triangular-blazed 12-in. oak tree; copper nail and washer	1,096.24
Charity, 3.4 mi. E. of, in SE $\frac{1}{4}$ sec. 1, T. 32 N., R. 19 W., 75 ft. S. and 12 ft. E. from SE. corner of Green Mtn. Church, 50 ft. W. of rd., in root on E. side of 24-in. oak tree; copper nail and washer	1,171.19
Green Mtn. Church, 0.9 mi. E. of, near quarter cor. between secs. 6 and 7, T. 32 N., R. 18 W., 300 ft. E. of low-water bridge over drain, 40 ft. S. and 130 ft. W. from rd. at fence SW., on W. slope of hill, in root on NW. side of triangular-blazed 15-in. oak tree; copper nail and washer	1,133.71
Green Mtn. Church, about 1.4 mi. E. of, near cor. secs. 5, 6, 7, and 8, T. 32 N., R. 18 W., 23 ft. S. of dim T-rd. N., 10 ft. SE. of NE. corner of old shed, in root on NE. side of 20-in. walnut tree; nail and washer	1,203.30
Conway, 6.6 mi. W. of, about 500 ft. E. of quarter cor. between secs. 5 and 6, T. 32 N., R. 18 W., 39 ft. S. and 9 ft. W. from T-rd. N. to Handley, 2 ft. E. of fence, in concrete post; standard tablet stamped "15 J 1932"	1,223.817
Reference mark, 22 ft. S. and 27 ft. E. from T-rd. N., in root on N. side of 10-in. walnut tree; nail and washer	1,222.02
Conway, about 5.5 mi. W. of, in SW $\frac{1}{4}$ sec. 4, T. 32 N., R. 18 W., 25 ft. S. and 23 ft. E. from SE. corner of dwelling of O. T. Keenan, 25 ft. N. of rd., in root on SW. side of 36-in. sycamore tree; copper nail and washer	1,189.86
Conway, about 4.8 mi. W. of, in NW $\frac{1}{4}$ sec. 10, T. 32 N., R. 18 W., 20 ft. S. and 33 ft. E. from T-rd. E., in root on SE. side of 12-in. oak tree; copper nail and washer	1,247.20
Conway, 3.8 mi. W. of, center of NW $\frac{1}{4}$ sec. 11, T. 32 N., R. 18 W., 81 ft. S. and 21 ft. E. from T-rd. S., 5 ft. E. of fence, in line with rd. N., in concrete post; standard tablet stamped "16 J 1932"	1,261.667
Conway, 3.1 mi. W. of, near N. sixteenth cor. between secs. 11 and 12, T. 32 N., R. 18 W., 65 ft. S. and 28 ft. E. from T-rd. W., in root on NE. side of large elm tree; copper nail and washer	1,263.31
Conway, 2.1 mi. W. of, near N. sixteenth cor. between secs. 7 and 12, T. 32 N., R. 17 and 18 W., about 450 ft. W. of Dallas-Laclede county line, 110 ft. N. and 60 ft. W. from rd. fork NW., in root on N. side of 15-in. oak tree; copper nail and washer	1,355.12

(Continued in Niangua quadrangle; see line 4.)

5. FROM CONWAY EAST ALONG SOUTH BORDER OF QUADRANGLE (by Cornish Beck in 1935)

U.S.C. & G.S. standard disk stamped "D 112 1935"	1,404.095
Conway, 1.2 mi. E. of, near center sec. 9, T. 32 N., R. 17 W., 45 ft. N. and 30 ft. E. from T-rd. N., in root on SE. side of 10-in. post-oak tree; copper nail and washer	1,340.04
Conway, 2.3 mi. E. of, near center sec. 10, T. 32 N., R. 17 W., 25 ft. N. and 210 ft. E. from T-rd., in root on S. side of 20-in. locust tree; copper nail and washer	1,267.80

Conway, 3 mi. E. of, near quarter cor. between secs. 10 and 11, T. 32 N., R. 17 W., 36 ft. W. of rd., 20 ft. N. and 42 ft. E. from NE. corner of dwelling of Mrs. J. T. Price, 15 ft. S. of garden gate, 2 ft. E. of fence, in concrete post; standard tablet stamped "1275 E R A 1935"	Feet 1,238.868
Conway, about 4 mi. E. of, quarter cor. between secs. 2 and 11, T. 32 N., R. 17 W., 21 ft. S. and 21 ft. W. from crossroads, in root on NW. side of 26-in. black-jack-oak tree; copper nail and washer	1,315.79
Conway, about 5 mi. E. of, near quarter cor. between secs. 1 and 12, T. 32 N., R. 17 W., 20 ft. N. and 12 ft. E. from T-rd. N., in root on SW. side of 24-in. black-jack-oak tree; copper nail and washer	1,297.26

(Continued in Lebanon quadrangle; see line 4.)

6. FROM CENTER OF WEST BORDER OF QUADRANGLE NORTH ABOUT SIX MILES, INCLUDING THAT PART OF THE LINE IN BUFFALO QUADRANGLE (by C. W. Williams in 1936)

U.S.C. & G.S. standard disk stamped "V 110 1935"	1,155.329
County Route A at rd. S., 47 ft. S. and 65 ft. W. from, in root on N. side of 16-in. black-oak tree; crossed nails	1,174.24
County Route A at crossroad, 16 ft. N. and 20 ft. E. from, in root on SW. side of 17-in. white-oak tree; crossed nails	1,193.57
Cloverdale School, 141 ft. N. and 128 ft. W. from NW. corner of, E. sixteenth cor. sec. 34, T. 34 N., R. 19 W., 42 ft. S. and 28 ft. E. from County Route A at rd. S., in concrete post; standard tablet stamped "1220 C W A 1934"	1,173.508
Reference mark, 48 ft. S. and 5 ft. W. from tablet, in root on W. side of 26-in. white-oak tree; copper nail and washer	1,174.70
U.S.C. & G.S. standard disk stamped "W 110 1935"	1,204.673
Ford across small creek, 55 ft. S. and 58 ft. W. from, in first valley N. of County Route A, in root on N. side of 11-in. black-oak tree; crossed nails	1,138.65
T. 34 N., R. 19 W., in SW ¹ / ₄ sec. 26, 24 ft. N. of T-rd. S., in root on S. side of 13-in. black-oak tree; copper nail and washer	1,236.31
Rd. forks, in center of triangle, near Roberts dwelling, in root on SE. side of 15-in. white-oak tree; crossed nails	1,219.32
T. 34 N., R. 19 W., in NE ¹ / ₄ sec. 27, 11 ft. N. and 28 ft. E. from NE. corner of dwelling of J. G. Whitney, 2 ft. W. of fence, in concrete post; post; standard tablet stamped "1221 C W A 1934"	1,216.944
Rd. forks, in triangle, 10 ft. E. of mail boxes, in root on NE. side of 14-in. white-oak tree; crossed nails	1,223.28
T. 34 N., R. 19 W., in SW ¹ / ₄ sec. 22, 24 ft. S. and 60 ft. E. from T-rd. E., in root on S. side of 16-in. white-oak tree; copper nail and washer	1,167.52
T. 34 N., R. 19 W., near W. sixteenth cor. between secs. 15 and 22, 39 ft. S. and 25 ft. W. from rd. forks, 20 ft. S. and 35 ft. W. from rd. at cross fences, in root on SW. side of 14-in. black-oak tree; copper nail	1,135.98
Dim crossroads near schoolhouse, 28 ft. N. and 10 ft. E. from, in root on SW. side of 10-in. post-oak tree; crossed nails	1,096.89

7. SOUTH ALONG SOUTH HALF OF WEST BORDER OF QUADRANGLE, INCLUDING THAT PART OF THE LINE IN BUFFALO QUADRANGLE

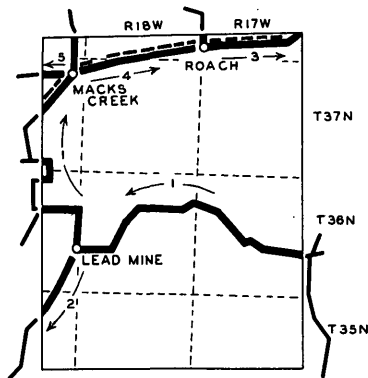
Junction of private rd. W., 70 ft. S. and 35 ft. W. from, 78 ft. N. and 48 ft. W. from ford across creek, in root on SE. side of 29-in. elm tree; crossed nails	1,039.59
T. 33 N., R. 19 W., in SW ¹ / ₄ sec. 3, on top of hill, 152 ft. N. and 11 ft. W. from rd. corner N. to SE., in root on S. side of 18-in. black-oak tree; copper nail and washer	1,104.83
Dwelling of Mrs. Frank E. Allen, in line with W. face of, 20 ft. N. of rd., in root on SE. side of 24-in. black-oak tree; crossed nails	1,079.26
T. 33 N., R. 19 W., near quarter cor. between secs. 2 and 11, 92 ft. S. and 297 ft. W. from dwelling of R. L. Hall, near angle in rd., 2 ft. S. of fence, in concrete post; standard tablet stamped "1219 C W A 1934"	1,092.852
T-rd. W., 12 ft. E. of, in S. side of S. gatepost; nails	1,130.37
Dousinbury Creek, 10 ft. S. and 10 ft. E. from N. end of low-water concrete bridge, in SW ¹ / ₄ sec. 12, T. 33 N., R. 19 W., in root on SE. side of twin sycamore tree; copper nail and washer	1,011.41
Top of first hill S. of Dousinbury Creek, 14 ft. W. of rd., in E. side of small, twin ash tree; crossed nails	1,136.89
T. 33 N., R. 19 W., W. sixteenth cor. between secs. 12 and 13, 28 ft. S. and 22 ft. W. from T-rd. N., in root on SW. side of 18-in. post-oak tree; copper nail and washer	1,165.99
T-rd. S., 136 ft. S. and 12 ft. W. from, in root on SE. side of 14-in. white-oak tree; crossed nails	1,196.74
Rd. fork SW., 38 ft. S. and 25 ft. E. from, in root on NW. side of 10-in. black-oak tree; crossed nails	1,170.58
T. 33 N., R. 19 W., in SE ¹ / ₄ sec. 13, 30 ft. N. and 37 ft. E. from dim T-rd. S., 30 ft. N. and 49 ft. E. from rd. at fence, in root on SE. side of 14-in. post-oak tree; copper nail and washer	1,110.28
Top of first hill SW. of Pattersonville School, 20 ft. N. of rd., in root on SE. side of 18-in. white-oak tree; crossed nails	1,165.90
Meadville, at center of ¹ / ₂ sec. 14, T. 33 N., R. 19 W., 75 ft. S. and 47 ft. W. from crossroads, 236 ft. N. and 29 ft. W. from Prospect Baptist Church, in concrete post; standard tablet stamped "1218 C W A 1934"	1,118.124
Referen mark, 59 ft. N. and 68 ft. E. from NE. corner of Prospect Baptist Church, 15 ft. E. of rd., in root on W. side of 16-in. white-oak tree; copper nail and washer	1,129.51

	<u>Feet</u>
T-rd. N., 38 ft. S. and 2 ft. W. from, near Okay Store, in root on NW. side of 20-in. white-oak tree; crossed nails	1,123.76
T. 33 N., R. 19 W., near center of NE $\frac{1}{4}$ sec. 15, 15 ft. N. and 150 ft. E. from T-rd. S., 15 ft. N. and 170 ft. E. from rd. at N.-S. fences, in root on SE. side of 24-in. oak tree; copper nail and washer	1,104.95
Hico Ford, 365 ft. S. of, on W. bank of Niangua River, at rd. corner, in root on NW. side of 18-in. birch tree; crossed nails	1,032.87
T. 33 N., R. 19 W., near N. sixteenth cor. between secs. 21 and 22, 47 ft. S. and 52 ft. E. from T-rd. S. and fence W., in root on NW. side of 14-in. hickory tree; copper nail and washer	1,081.69
T-rd. W., 12 ft. N. and 12 ft. W. from, on top of head wall of concrete culvert; chiseled square	1,056.96
T. 33 N., R. 19 W., in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, at bottom of hill, 21 ft. S. and 54 ft. W. from rd. at N.-S. fences, in root on E. side of 24-in. black-oak tree; copper nail and washer	1,072.36
T. 33 N., R. 19 W., in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, 14 ft. W. of rd., 4 ft. S. and 95 ft. W. from NW. corner of dwelling formerly occupied by "verett Gann, in concrete post; standard tablet stamped "1217 C W A 1934"	
T-rd. N., 42 ft. N. and 12 ft. E. from, in root on SE. side of 12-in. white-oak tree; crossed nails	1,130.047
T. 33 N., R. 19 W., in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, 15 ft. S. and 10 ft. E. from rd. forks, in root on SE. side of 24-in. red-oak tree; copper nail and washer	1,165.17
T-rd. E., 50 ft. S. and 26 ft. E. from, in root on E. side of 14-in. black-jack-oak tree; crossed nails	1,198.30
T. 32 N., R. 19 W., N. sixteenth cor. between secs. 3 and 4, 125 ft. S. and 21 ft. E. from rd. at fence W., 180 ft. S. and 21 ft. E. from T-rd. E., in root on W. side of 30-in. post-oak tree; copper nail and washer	1,205.78
T-rd. S., 15 ft. N. and 68 ft. E. from, in root on E. side of 16-in. hackberry tree; crossed nails	1,181.84
	1,177.26

For additional level lines along St. Louis-San Francisco Ry., County Route A, and other roads, refer to U.S. Coast and Geodetic Survey second-order lines, Springfield to Lebanon and Fair Play to Licking.

MACKS CREEK QUADRANGLE
(Latitude 37°45'-38°00'; Longitude 92°45'-93°00')

Camden, Dallas, and Laclede Counties



1. WEST THROUGH MIDDLE OF QUADRANGLE, THENCE NORTH ALONG NORTH HALF OF WEST BORDER (by George W. Moore in 1931)
(Continued from Stoutland quadrangle; see line 1.)

Eldridge, 0.5 mi. W. of, near center of NW $\frac{1}{4}$ sec. 25, T. 36 N., R. 17 W., 55 ft. S. and 200 ft. E. from T-rd. E., 11 ft. N. of NE. corner of Eldridge School, on NE. corner of concrete platform of well; chiseled square	1,167.90
Eldridge, 0.8 mi. W. and 0.5 mi. N. from, cor. secs. 23, 24, 25, and 26, T. 36 N., R. 17 W., 60 ft. N. and 20 ft. W. from T-rd. E., 80 ft. N. of junction of private rd. W., in root on S. side of 8-in. oak tree; copper nail and washer	1,165.09
Eldridge, 1 mi. N. and 1.5 mi. W. from, center sec. 23, T. 36 N., R. 17 W., 48 ft. N. and 110 ft. W. from oak tree and mail box at T-rd. N., 7 ft. E. of twin oak tree, at fence corner, in concrete post; standard tablet stamped "T T Sta 1 W 1931"	1,186.972
Reference mark, 100 ft. W. of tablet, in root on S. side of 15-in. oak tree; copper nail and washer	1,184.62
Eldridge, about 1.5 mi. N. and 2.3 mi. W. from, near E. sixteenth cor. between secs. 15 and 22, T. 36 N., R. 17 W., 25 ft. S. of rd., in root on NW. side of 16-in. oak tree; copper nail and washer	1,164.88

Eldridge, about 1.5 mi. N. and 2.9 mi. W. from, in NW $\frac{1}{4}$ sec. 22, T. 36 N., R. 17 W., 17 ft. S. and 90 ft. W. from crossroads, in root on NE. side of 17-in. oak tree; copper nail and washer	<u>Feet</u> 1,093.30
Eldridge, 2 mi. N. and 3.8 mi. W. from, center of SW $\frac{1}{4}$ sec. 16, T. 36 N., R. 17 W., near rd. corner from E. to N., 24 ft. N. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "T T Sta 2 W 1931"	1,052.512
Reference mark, 45 ft. S. and 115 ft. E. from tablet, in root on W. side of 18-in. sycamore tree; copper nail and washer	1,045.70
Ira, 1.7 mi. SE. of, in NE $\frac{1}{4}$ sec. 17, T. 36 N., R. 17 W., 0.3 mi. SE. of Ira School, at slight curve, at NE. edge of rd., in root on SW. side of 27-in. oak tree; copper nail and washer	1,044.97
Ira, 1.4 mi. E. of, near quarter cor. between secs. 8 and 17, T. 36 N., R. 17 W., 125 ft. N. of NW. corner of Ira School, 25 ft. S. and 125 ft. W. from rd. corner S. to W., in root on NE. side of 18-in. oak tree; copper nail and washer	1,040.00
Ira, 0.7 mi. E. of, in NE $\frac{1}{4}$ sec. 7, T. 36 N., R. 17 W., 35 ft. S. and 15 ft. W. from T-rd. S., in root on W. side of 15-in. oak tree; copper nail and washer	1,053.17
Ira, in SW $\frac{1}{4}$ sec. 7, T. 36 N., R. 17 W., 3 mi. N. and 5.5 mi. W. from Eldridge, 67 ft. N. of NW. corner of store, 2 ft. S. and 4 ft. E. from SW. corner of yard, in concrete post; standard tablet stamped "T T Sta 3 W 1931"	1,070.666
Reference mark, 38 ft. S. and 25 ft. E. from tablet, on NE. corner of concrete base of gasoline pump; chiseled square	1,070.92
Ira, 0.7 mi. W. of, in SW $\frac{1}{4}$ sec. 12, T. 36 N., R. 18 W., 50 ft. W. of rd. forks, 20 ft. N. of rd., in root on SE. side of 18-in. oak tree; copper nail and washer	1,025.17
Ira, 1.5 mi. W. of, near S. sixteenth cor. between secs. 11 and 12, T. 36 N., R. 18 W., at NW. edge of rd., in root on SE. side of 20-in. oak tree; copper nail and washer	931.11
Ira, 2.4 mi. W. of, in SW $\frac{1}{4}$ sec. 11, T. 36 N., R. 18 W., at E. edge of rd., in root on SW. side of 10-in. oak tree; copper nail and washer	862.08
Ira, 2.8 mi. W. of, in NW $\frac{1}{4}$ sec. 11, T. 36 N., R. 18 W., 40 ft. S. of Niangua River, at W. edge of rd., in root on SE. side of 20-in. sycamore tree; copper nail and washer	733.52
Ira, 2.8 mi. W. of, in NW $\frac{1}{4}$ sec. 11, T. 36 N., R. 18 W., on N. bank of Niangua River, 20 ft. N. of rd., in root on W. side of twin sycamore tree; copper nail and washer	731.94
Ira, 3.7 mi. W. of, near center sec. 10, T. 36 N., R. 18 W., 43 ft. N. and 40 ft. E. from NE. corner of Urie dwelling, in concrete post; standard tablet stamped "T T Sta 4 W 1931"	855.750
Reference mark, 45 ft. SE. of tablet, 50 ft. S. of rd., in root on E. side of 25-in. oak tree; copper nail and washer	855.61
Ira, 4.6 mi. SW. of, in NE $\frac{1}{4}$ sec. 16, T. 36 N., R. 18 W., 0.9 mi. SW. of Urie dwelling, 25 ft. S. of rd., in root on S. side of 24-in. black-oak tree; copper nail and washer	1,024.80
Ira, 5 mi. SW. of, near quarter cor. between secs. 9 and 16, T. 36 N., R. 18 W., 1.3 mi. SW. of Urie dwelling, at S. edge of rd., in root on N. side of triangular-blazed 18-in. oak tree; copper nail and washer	1,051.85
Ira, 6 mi. SW. of, in NE $\frac{1}{4}$ sec. 17, T. 36 N., R. 18 W., 2.3 mi. SW. of Urie dwelling, 200 ft. N. of rd. forks, 120 ft. N. of blazed tree, at W. edge of rd., in root on NE. side of 13-in. oak tree; copper nail and washer	1,035.13
Lead Mine, 2.3 mi. NE. of blacksmith shop, in NW $\frac{1}{4}$ sec. 21, T. 36 N., R. 18 W., at rd. forks, 73 ft. W. of triangular-blazed 20-in. oak tree on S. side of rd., 20 ft. N. and 30 ft. E. from triangular-blazed 12-in. oak tree on N. side of rd., in concrete post; standard tablet stamped "T T Sta 5 W 1931"	1,066.088
Reference mark, 73 ft. E. of tablet, 27 ft. S. of rd., in root on N. side of blazed 20-in. oak tree; copper nail and washer	1,066.45
Lead Mine, 1 mi. E. and 0.2 mi. N. from blacksmith shop, near center of SW $\frac{1}{4}$ sec. 20, T. 36 N., R. 18 W., 110 ft. W. of fence corner, 12 ft. S. and 75 ft. W. from abandoned rd. fork, in root on N. side of 16-in. oak tree; copper nail and washer	1,065.64
Lead Mine, 0.5 mi. E. and 0.2 mi. N. from blacksmith shop, near center of SE $\frac{1}{4}$ sec. 19, T. 36 N., R. 18 W., NE. of T-rd. N., 11 ft. N. and 35 ft. E. from fence corner, in root on N. side of 4-in. oak tree; copper nail and washer	1,091.89
Lead Mine, 30 ft. S. and 60 ft. W. from blacksmith shop, near W. sixteenth cor. between secs. 19 and 30, T. 36 N., R. 18 W., 20 ft. W. of T-rd. E. at crossroads, in root on E. side of 24-in. oak tree; copper nail and washer	1,057.59
Lead Mine, 0.8 mi. N. of, near center of NW $\frac{1}{4}$ sec. 19, T. 36 N., R. 18 W., 60 ft. N. of rd. corner S. to W., 70 ft. N. of T-fence E., in root on N. side of 28-in. oak tree; copper nail and washer	1,106.77
Lead Mine, 1 mi. N. and 0.2 mi. W. from blacksmith shop, W. cor. secs. 18 and 19, T. 36 N., R. 18 W., 15 ft. W. of rd. at fence E., 92 ft. S. and 15 ft. W. from rd. at fence W., 2 ft. W. of fence, in concrete post; standard tablet stamped "T T Sta 6 W 1931"	1,088.849
Reference mark, 5 ft. N. and 35 ft. E. from tablet, in root on W. side of 17-in. water-oak tree; copper nail and washer	1,089.74
Lead Mine, about 1.8 mi. N. and 0.3 mi. W. from blacksmith shop, in NE $\frac{1}{4}$ sec. 13, T. 36 N., R. 19 W., 45 ft. S. and 20 ft. E. from rd. fork S., 45 ft. E. of twin oak tree, in triangle of rd. forks, in root on S. side of 12-in. oak tree; copper nail and washer	1,104.50
Lead Mine, about 2 mi. N. and 1.2 mi. W. from blacksmith shop, near cor. secs. 11, 12, 13, and 14, T. 36 N., R. 19 W., 25 ft. N. and 30 ft. E. from crossroads, in root on S. side of 14-in. hickory tree; copper nail and washer	1,089.85

Branch, 2.2 mi. S. of, along U.S. Highway 54, cor. secs. 2, 3, 10, and 11, T. 36 N., R. 19 W., 55 ft. S. and 35 ft. W. from highway at crossroad, in fence line, in root on E. side of 17-in. oak tree; copper nail and washer	Feet 1,118.21
Branch, 1.2 mi. SE. of, along U.S. Highway 54, about 0.1 mi. S. of N. cor. sec. 2 and 3, T. 36 N., R. 19 W., 677 ft. S. of Camden-Dallas county line, on top of E. head wall of concrete culvert; chiseled square	1,125.46
Branch triangulation sta., 0.3 mi. S. and 0.5 mi. E. from Branch, 0.4 mi. N. of S. cor. secs. 34 and 35, T. 37 N., R. 19 W., 0.4 mi. N. of Camden-Dallas county line, 0.2 mi. W. of Linn Creek, on land belonging to Mrs. Julia Clark, 110 meters (361 ft.) N. of fence, 106 meters (384 ft.) E. of wild cherry tree, 4.5 meters (15 ft.) W. of rail fence, in center of field, in concrete post; U.S.C. & G.S. standard disk stamped "Branch 1928"	1,137.007
Reference mark 2, 169 ft. S. of sta., 30 ft. W. of rail fence, in concrete post; U.S.C. & G.S. standard disk	1,136.65
Branch, 2.3 mi. N. of, along U.S. Highway 54, in NW $\frac{1}{4}$ sec. 23, T. 37 N., R. 19 W., 35 ft. E. of highway, at S. edge of private rd. SE., in root on NW. side of 15-in. oak tree; copper nail and washer	1,057.78
Branch, 3 mi. NE. of, along U.S. Highway 54, 2 mi. SW. of Macks Creek, in SW $\frac{1}{4}$ sec. 14, T. 37 N., R. 19 W., 43 ft. W. of highway, 11 ft. S. of private rd. W., 46 ft. E. of triangular-blazed 18-in. oak tree, in concrete post; standard tablet stamped "T T Sta 8 W 1931"	1,061.540
Reference mark, 4 ft. W. of tablet, in root on NE. side of 18-in. oak tree; copper nail and washer	1,061.15
Macks Creek, 1.4 mi. SW. of, along U.S. Highway 54, in E $\frac{1}{2}$ sec. 14, T. 37 N., R. 19 W., 95 ft. N. and 33 ft. E. from highway at rd. E., in root on W. side of 10-in. oak tree; copper nail and washer	1,036.64
Macks Creek, 0.7 mi. SW. of, along U.S. Highway 54, at S. sixteenth cor. between secs. 11 and 12, T. 37 N., R. 19 W., 80 ft. S. and 30 ft. W. from highway at rd. W. to cemetery, in root on E. side of 18-in. oak tree; copper nail and washer	1,018.69
Macks Creek, along U.S. Highway 54, in NE $\frac{1}{4}$ sec. 12, T. 37 N., R. 19 W., on top of N. parapet wall of W. abutment of concrete bridge; chiseled square	875.42
Macks Creek, 0.9 mi. N. of, along rd. to Bannister, in SE $\frac{1}{4}$ sec. 1, T. 37 N., R. 19 W., on top of hill at curve in rd., 20 ft. SE. of rd., in root on E. side of 20-in. oak tree; copper nail and washer	1,025.66
Macks Creek, 1 mi. N. of, along rd. to Bannister, in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 37 N., R. 19 W., 70 ft. S. and 15 ft. W. from T-rd. E., 7 ft. S. and 4 ft. E. from triangular-blazed 15-in. oak tree, in concrete post; standard tablet stamped "T T Sta 9 W 1931"	1,065.369
Reference mark, 80 ft. N. of tablet, in root on E. side of 14-in. oak tree; copper nail and washer	1,065.14
Macks Creek, 1.7 mi. N. of, along rd. to Bannister, in NE $\frac{1}{4}$ sec. 36, T. 38 N., R. 19 W., at top of hill, NE. of crossroads, in root on W. side of 16-in. oak tree; copper nail and washer	1,072.68

2. FROM LEAD MINE SOUTHWEST TO WEST BORDER OF QUADRANGLE

Lead Mine, near center of NW $\frac{1}{4}$ sec. 30, T. 36 N., R. 18 W., 45 ft. N. and 30 ft. E. from T-rd. E., in root on S. side of blazed 15-in. oak tree; copper nail and washer	1,090.20
Lead Mine, 0.5 mi. S. of, near center of SW $\frac{1}{4}$ sec. 30, T. 36 N., R. 18 W., 25 ft. N. and 65 ft. E. from T-rd. N., in root on SW. side of 8-in. oak tree; copper nail and washer	1,048.54
Lead Mine, about 0.8 mi. SW. of, S. sixteenth cor. between secs. 25 and 30, T. 36 N., R. 18 and 19 W., SW. of T-rd. S., on E. end of S. head wall of concrete culvert; painted square	1,033.90
Lead Mine, about 1.2 mi. SW. of, N. sixteenth cor. between secs. 31 and 36, T. 36 N., R. 18 and 19 W., 22 ft. N. and 38 ft. W. from T-rd. W., in concrete post; standard tablet stamped "106 M 1931"	1,024.663
Reference mark, 24 ft. S. and 22 ft. E. from tablet, on S. head wall of concrete culvert; chiseled square	1,024.96
Lead Mine, about 2 mi. SW. of, in NW $\frac{1}{4}$ sec. 36, T. 36 N., R. 19 W., 7 ft. N. and 34 ft. E. from rd. corner E. to S., 24 ft. S. and 34 ft. E. from fence corner, in root on N. side of 6-in. oak tree; copper nail and washer	980.55
Lead Mine, about 3 mi. SW. of, 70 ft. S. and 7 ft. W. from S. cor. secs. 35 and 36, T. 36 N., R. 19 W., 70 ft. S. and 30 ft. E. from N. cor. secs. 1 and 2, T. 35 N., R. 19 W., 610 ft. N. of T-rd. E., in root on SE. side of 20-in. oak tree; copper nail and washer	1,007.83
Lead Mine, about 4.1 mi. SW. of, near center sec. 2, T. 35 N., R. 19 W., in NE. corner of yard of Hickory Hill School, 60 ft. S. and 19 ft. W. from crossroads, in concrete post; standard tablet stamped "107 M 1931"	1,073.822
Reference mark, 90 ft. N. and 16 ft. E. from tablet, in SW. corner of yard of R. W. Smith, in root on NE. side of 23-in. walnut tree; copper nail and washer	1,072.80
Lead Mine, 5.2 mi. SW. of, near center of NW $\frac{1}{4}$ sec. 11, T. 35 N., R. 19 W., 30 ft. S. and 74 ft. E. from rd. corner E. to S., in NW. corner of yard of R. F. Alford, in root on NE. side of 10-in. hickory tree; copper nail and washer	1,076.71
T. 35 N., R. 19 W., near center of NW $\frac{1}{4}$ sec. 14, 31 ft. E. of rd., 55 ft. N. and 11 ft. E. from fence corner, in root on NE. side of 7-in. oak tree; copper nail and washer	1,119.34

3. FROM ROACH EAST ALONG NORTH BORDER OF QUADRANGLE

	<u>Feet</u>
Roach, 0.3 mi. NW. of, along U.S. Highway 54, in N $\frac{1}{2}$ sec. 31, T. 38 N., R. 17 W., 40 ft. S. and 50 ft. E. from highway at rd. NW., in field, in root on E. side of 20-in. oak tree; copper nail and washer	1,001.09
Roach, in NE $\frac{1}{4}$ sec. 31, T. 38 N., R. 17 W., 60 ft. SW. of U.S. Highway 54, in top of NW. corner of concrete platform at entrance to Hamlet store; standard tablet stamped "98 M 1931"	991.031
Reference mark, 22 ft. N. and 10 ft. W. from tablet, on top of NW. corner of base of gasoline pump; chiseled square	991.74
Roach, 1 mi. E. of, along U.S. Highway 54, near center sec. 32, T. 38 N., R. 17 W., 50 ft. S. of highway, in park between old and new highways, in root on SW. side of 20-in. oak tree; copper nail and washer	938.27
Roach, 1.9 mi. E. of, along U.S. Highway 54, in NW $\frac{1}{4}$ sec. 33, T. 38 N., R. 17 W., in saddle of hill overlooking river, on top of N. head wall of concrete culvert; chiseled square	808.96
Roach, 2.7 mi. E. of, along U.S. Highway 54, in NW $\frac{1}{4}$ sec. 34, T. 38 N., R. 17 W., in top of W. end of S. guardrail of steel bridge over Niangua River; standard tablet stamped "99 M 1931"	675.917
Reference mark, 12 ft. N. and 17 ft. W. from tablet, on top of N. guard-rail of W. abutment of bridge over Niangua River; chiseled cross	675.82
Roach, 2.9 mi. E. of, along U.S. Highway 54, in SW $\frac{1}{4}$ sec. 27, T. 38 N., R. 17 W., in top of N. guardrail of E. abutment of bridge over Niangua River; chiseled cross	676.86
Camdenton, 2.4 mi. SW. of, along U.S. Highway 54, in NE $\frac{1}{4}$ sec. 34, T. 38 N., R. 17 W., 85 ft. S. of highway, in root on N. side of 19-in. oak tree; nail and washer	782.94
Camdenton, 1.7 mi. SW. of, along U.S. Highway 54, in NW $\frac{1}{4}$ sec. 35, T. 38 N., R. 17 W., 42 ft. W. of highway, in root on N. side of 18-in. oak tree; copper nail and washer	958.24

4. FROM MACKS CREEK EAST TO ROACH

Macks Creek, 1.1 mi. E. of, along U.S. Highway 54, at top of hill, 40 ft. NW. of highway, in root on E. side of 20-in. oak tree; copper nail and washer	1,047.37
Macks Creek, 2.1 mi. E. of, along U.S. Highway 54, in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 37 N., R. 18 W., 45 ft. S. and 27 ft. W. from highway at rd. S. to Chapel Bluff, 10 ft. W. of rd. N. produced, 4 ft. N. and 10 ft. W. from fence corner, in concrete post; standard tablet stamped "131 M 1931"	1,060.208
Reference mark, 17 ft. N. and 40 ft. E. from tablet, in root on NE. side of 18-in. oak tree; copper nail and washer	1,058.43
Macks Creek, 2.3 mi. E. of, along U.S. Highway 54, 265 ft. NW. of fence line between secs. 8 and 9, T. 37 N., R. 18 W., 35 ft. NE. of highway at rd. N., in root on SW. side of 20-in. oak tree; iron nail and washer	1,078.99
Macks Creek, 2.9 mi. E. of, along U.S. Highway 54, in NW $\frac{1}{4}$ sec. 9, T. 37 N., R. 18 W., NE. of highway at rd. N., 35 ft. N. of highway, in root on S. side of 16-in. oak tree; copper nail and washer	1,065.88
Macks Creek, 3.9 mi. E. of, along U.S. Highway 54, in NW $\frac{1}{4}$ sec. 10, T. 37 N., R. 18 W., 55 ft. SE. of highway at rd. E., in root on N. side of 22-in. oak tree; copper nail and washer	1,037.86
Macks Creek, 4.4 mi. E. of, along U.S. Highway 54, near S. sixteenth cor. sec. 3, T. 37 N., R. 18 W., 37 ft. S. and 90 ft. E. from highway at rd. S. to Green Gables Lodge, in root on SW. side of 12-in. oak tree; copper nail and washer	1,082.04
Macks Creek, 5.5 mi. E. of, along U.S. Highway 54, 3.2 mi. SW. of Roach, in NW $\frac{1}{4}$ sec. 2, T. 37 N., R. 18 W., 38 ft. W. of highway, 22 ft. E. of blazed oak tree, in concrete post; standard tablet stamped "132 M 1931"	1,039.975
Reference mark, 22 ft. W. of tablet, in root on SW. side of blazed 22-in. oak tree; copper nail and washer	1,038.19
Roach, 2.5 mi. SW. of, along U.S. Highway 54, in NE $\frac{1}{4}$ sec. 2, T. 37 N., R. 18 W., 380 ft. SE. of highway at rd. S. to Pioneer Club, 80 ft. S. of highway, in root on N. side of 20-in. oak tree; nail and washer	1,031.91
Roach, 1.9 mi. SW. of, along U.S. Highway 54, near line between secs. 1 and 36, Tps. 37 and 38 N., R. 18 W., 65 ft. SE. of highway at rd. E., in triangle at entrance to barn, in root on N. side of 20-in. oak tree; copper nail and washer	995.83
Roach, 0.9 mi. SW. of, along U.S. Highway 54, in W $\frac{1}{2}$ sec. 31, T. 38 N., R. 17 W., 55 ft. W. of highway, 7 ft. W. of fence, in woods, in root on E. side of 12-in. oak tree; copper nail and washer	972.05

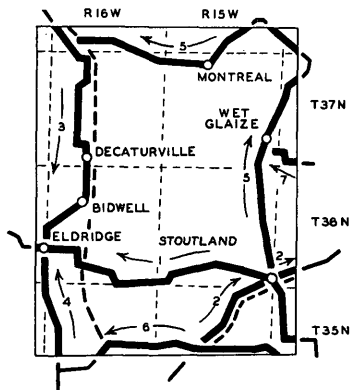
5. IN NORTHWEST CORNER OF QUADRANGLE (by C. P. Thompson in 1934)

Macks Creek, 1.4 mi. W. of, along Hickory Grove rd., near center sec. 11, T. 37 N., R. 19 W., 125 ft. SW. of dwelling of W. D. Varner, 20 ft. W. of rd., 10 ft. E. of fence corner, in root on SE. side of 20-in. post-oak tree; copper nail and washer	1,008.17
Macks Creek, 2.3 mi. W. of, along Hickory Grove rd., 138 ft. S. and 14 ft. W. from cor. secs. 2, 3, 10, and 11, T. 37 N., R. 19 W., 33 ft. SW. of T-rd., 20 ft. W. of N.-S. rd., 233 ft. SW. of dwelling of J. T. Guest, 2 ft. S. and 2 ft. W. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "511 C W A 1934"	872.422
Reference mark, 80 ft. W. of tablet, in root on N. side of 12-in. elm tree; copper nail and washer	870.84

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

STOUTLAND QUADRANGLE
(Latitude $37^{\circ}45'1''-38^{\circ}00'$; longitude $92^{\circ}30'-92^{\circ}45'$)

Camden and Laclede Counties



1. NORTH ALONG SOUTH QUARTER OF EAST BORDER OF QUADRANGLE, THENCE WEST THROUGH MIDDLE OF SOUTH HALF (by George W. Moore in 1931)
(Continued from Richland quadrangle; see line 3.)

	Feet
T. 35 N., R. 14 W., near quarter cor. between secs. 19 and 20, at SW. corner of U.S. Highway 66 at N.-S. crossroad, in top of W. head wall of concrete culvert; standard tablet stamped "87 M 1931"	1,103.611
Reference mark 1, 51 ft. SE. of tablet, on top of concrete post; chiseled square	1,104.10
Reference mark 2, 30 ft. S. and 14 ft. W. from tablet, in root on N. side of 10-in. oak tree; nail and washer	1,107.18
T. 35 N., R. 14 W., near quarter cor. between secs. 17 and 18, at top of hill, 20 ft. E. of rd., in root on E. side of 15-in. oak tree; copper nail and washer	1,068.90
T. 35 N., R. 14 W., in SE $\frac{1}{4}$ sec. 7, 180 ft. SE. of ford across Jordan Creek, at E. edge of rd., in root on W. side of 27-in. twin elm tree; copper nail and washer	952.00
Stoutland, 2.1 mi. S. of, in NW. corner of yard of Hickory Grove School, 51 ft. E. of rd., 40 ft. E. of fence, in concrete post; standard tablet stamped "88 M 1931"	1,034.335
Reference mark, 94 ft. SE. of tablet, on top of S. end of bottom step to schoolhouse; chiseled square	1,032.72
Stoutland, 1.3 mi. S. of, in NE $\frac{1}{4}$ sec. 6, T. 35 N., R. 14 W., 610 ft. N. of wooden bridge, 120 ft. S. of culvert, 20 ft. W. of rd., in root on NE. side of twin white-oak tree; copper nail and washer	985.73
Stoutland, 0.6 mi. S. of, in SE $\frac{1}{4}$ sec. 31, T. 36 N., R. 14 W., 35 ft. E. of rd. forks, in root on NE. side of 12-in. oak tree; copper nail and washer	1,144.41
Stoutland, in NW $\frac{1}{4}$ sec. 31, T. 36 N., R. 14 W., 30 ft. W. of crossroads, 15 ft. E. of billiard hall, on top of concrete curb; chiseled square	1,167.62
Stoutland, about 1.1 mi. W. of, about 0.3 mi. W. of E. cor. secs. 25 and 36, T. 36 N., R. 15 W., 45 ft. N. of T-rd. W., in concrete post; standard tablet stamped "89 M 1931"	1,165.109
Reference mark, 110 ft. W. of tablet, 40 ft. N. of rd., in root on SW. side of 10-in. oak tree; copper nail and washer	1,164.42
Stoutland, 1.7 mi. W. of, 300 ft. E. of T-rd. N. at cor. secs. 25, 26, 35, and 36, T. 36 N., R. 15 W., on top of N. head wall of concrete culvert; chiseled square	1,120.34
Stoutland, about 2.4 mi. W. of, in SE $\frac{1}{4}$ sec. 26, T. 36 N., R. 15 W., on top of E. end of S. head wall of concrete culvert; chiseled square	1,054.00
Stoutland, about 3.4 mi. W. of, in SE $\frac{1}{4}$ sec. 27, T. 36 N., R. 15 W., on top of N. head wall of concrete culvert; chiseled square	1,126.36
Stoutland, about 4.1 mi. W. of, in SE $\frac{1}{4}$ sec. 28, T. 36 N., R. 15 W., 30 ft. N. of rd., at W. gatepost of private rd. N., in root on NE. side of 21-in. oak tree; copper nail and washer	1,157.78
Stoutland, 4.5 mi. W. of, center of SE $\frac{1}{4}$ sec. 28, T. 36 N., R. 15 W., 45 ft. S. and 12 ft. E. from T-rd. S., 25 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "90 M 1931"	1,148.118
Reference mark, 95 ft. N. and 50 ft. W. from tablet, in root on NW. side of 10-in. oak tree; copper nail and washer	1,150.09
Stoutland, about 4.9 mi. W. of, in SE $\frac{1}{4}$ sec. 29, T. 36 N., R. 15 W., 65 ft. N. and 18 ft. W. from T-rd. N., in root on E. side of 10-in. post-oak tree; copper nail and washer	1,021.45
Stoutland, about 5.8 mi. W. of, 260 ft. E. of rd. at fence at cor. secs. 29, 30, 31, and 32, T. 36 N., R. 15 W., 15 ft. S. of rd., in root on N. side of 18-in. elm tree; copper nail and washer	1,022.15
Friendship Church, 0.8 mi. E. of, center of NE $\frac{1}{4}$ sec. 31, T. 36 N., R. 15 W., 18 ft. S. and 20 ft. E. from T-rd. N., in fence corner, in concrete post; standard tablet stamped "91 M 1931"	1,089.986
Reference mark, 40 ft. SE. of tablet, in root on N. side of 8-in. oak tree; copper nail and washer	1,092.71

	Feet
Friendship Church, 155 ft. N. and 40 ft. E. from NE. corner of, near N. sixteenth cor. between secs. 31 and 36, T. 36 N., Rs. 15 and 16 W., 70 ft. S. and 65 ft. W. from crossroads, in root on NW. side of 12-in. oak tree; copper nail and washer	1,094.49
Friendship Church, 1 mi. W. of, in SW $\frac{1}{4}$ sec. 36, T. 36 N., R. 16 W., 50 ft. N. and 60 ft. E. from rd. corner E. to NW., in root on NW. side of 16-in. oak tree; copper nail and washer	1,080.32
Friendship Church, 1.9 mi. W. of, near center of NW $\frac{1}{4}$ sec. 35, T. 36 N., R. 16 W., 40 ft. S. of crossroads, in concrete post; standard tablet stamped "92 M 1931"	1,132.651
Reference mark, 23 ft. NE. of tablet, in corner fence post, in root on N. side of 14-in. hickory tree; copper nail and washer	1,132.55
T. 36 N., R. 16 W., near quarter cor. between secs. 27 and 34, at top of hill, 18 ft. N. of rd., in fence line, in root on S. side of 12-in. oak tree; copper nail and washer	1,088.23
T. 36 N., R. 16 W., in SW. cor. sec. 27, 365 ft. N. of State Highway 5 at rd. E., on top of E. parapet wall of S. abutment of concrete bridge over Goodwin Hollow Creek; chiseled square	1,010.37
T. 36 N., R. 16 W., in SE $\frac{1}{4}$ sec. 28, 240 ft. N. of State Highway 5 at rd. W., on N. end of E. head wall of concrete culvert; painted square	1,014.98
T. 36 N., R. 16 W., in NW $\frac{1}{4}$ sec. 28, 580 ft. SE. of State Highway 5 at E.-W. crossroad. 80 ft. E. of highway, 12 ft. N. of NE. corner of filling sta., in N. corner of concrete well platform; standard tablet stamped "93 M 1931"	1,127.891
Reference mark, 37 ft. W. of tablet, in root on N. side of 8-in. oak tree; copper nail and washer	1,126.65
T. 36 N., R. 16 W., on line between secs. 20 and 29, 0.1 mi. E. of T-rd. S., at top of hill, 20 ft. N. of rd., in root on S. side of 17-in. oak tree; copper nail and washer	1,118.34
T. 36 N., R. 16 W., E. sixteenth cor. between secs. 19 and 30, 50 ft. S. of T-rd. S., at W. edge of rd., in root on NE. side of 17-in. oak tree; copper nail and washer	1,125.32
T. 36 N., Rs. 16 and 17 W., cor. secs. 19, 24, 25, and 30, 28 ft. S. and 40 ft. W. from crossroads, 11 ft. S. and 18 ft. W. from fence corner, in root on NW. side of twin oak tree; copper nail and washer	1,183.06
Eldridge, about 0.1 mi. E. of store and post office, 225 ft. N. and 10 ft. E. from stone at quarter cor. between secs. 25 and 30, T. 36 N., Rs. 16 and 17 W., 15 ft. SE. of crossroads, 2 ft. from fence corner; iron post stamped "Prim Trav Sta No 28 1913 Mo"	1,155.134
Reference mark, 18 ft. S. and 24 ft. W. from tablet, in root on N. side of twin oak tree; copper nail and washer	1,154.92

(Continued in Macks Creek quadrangle; see line 1.)

2. IN SOUTHEAST QUARTER OF QUADRANGLE NORTHEAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY

(Continued from Lebanon quadrangle; see line 1.)

leeper, 0.5 mi. SW. of, along St. Louis-San Francisco Ry., in E $\frac{1}{4}$ sec. 20, T. 35 N., R. 15 W., on E. side of track, on SE. corner of concrete base of semaphore; chiseled square	1,215.59
Sleeper, 220 ft. WSW. of SE. corner of St. Louis-San Francisco Ry. sta., near W. sixteenth cor. between secs. 16 and 21, T. 35 N., R. 15 W., 20 ft. N. and 80 ft. W. from rd. crossing, 40 ft. E. of SE. corner of general store of J. A. Harrison & Son, on NE. end of concrete sidewalk; chiseled square	1,218.59
Sleeper, 0.9 mi. NE. of, along St. Louis-San Francisco Ry., on line between secs. 15 and 16, T. 35 N., R. 15 W., on S. side of track, on NW. corner of concrete base of semaphore 1734; chiseled square	1,197.48
Sleeper, 1.4 mi. NE. of, along St. Louis-San Francisco Ry., in S $\frac{1}{4}$ sec. 15, T. 35 N., R. 15 W., 90 ft. S. of track, 19 ft. S. and 55 ft. E. from rd. fork SE., 5 ft. W. of fence corner, in concrete post; standard tablet stamped "119 M 1931"	1,206.835
Reference mark, 80 ft. N. and 60 ft. W. from tablet, on SE. corner of concrete base of semaphore 1728; chiseled square	1,210.56
Sleeper, 2.3 mi. NE. of, along St. Louis-San Francisco Ry., in NE. cor. sec. 15, T. 35 N., R. 15 W., 90 ft. S. and 80 ft. W. from rd. crossing, in field, in root on NE. side of 32-in. oak tree; copper nail and washer	1,190.99
Sleeper, 3.3 mi. NE. of, along St. Louis-San Francisco Ry., in NW $\frac{1}{4}$ sec. 11, T. 35 N., R. 15 W., at NE. end of Delmar siding, on E. side of track, on SW. corner of concrete base of semaphore 1708; chiseled square	1,201.51
Sleeper, 4.3 mi. NE. of, along St. Louis-San Francisco Ry., in SW $\frac{1}{4}$ sec. 2, T. 35 N., R. 15 W., on S. side of track, on NE. corner of concrete base of semaphore 1698; chiseled square	1,196.74
Stoutland, 1.7 mi. SW. of, 4.9 mi. NE. of Sleeper, along St. Louis-San Francisco Ry., in SW. cor. sec. 36, T. 36 N., R. 15 W., 15 ft. N. and 120 ft. E. from T-rd. W., 40 ft. E. of track, at W. edge of abandoned rd., in concrete post; standard tablet stamped "120 M 1931"	1,181.750
Reference mark, 255 ft. N. of tablet, on NE. corner of concrete base of semaphore 1693; chiseled square	1,184.75
Stoutland, 1.3 mi. SW. of, along St. Louis-San Francisco Ry., in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 36 N., R. 15 W., on E. side of track, on W. side of concrete battery well at semaphore 1688; chiseled square	1,151.64
Stoutland, 0.4 mi. W. of, along St. Louis-San Francisco Ry., in SW $\frac{1}{4}$ sec. 31, T. 36 N., R. 14 W., 125 ft. W. of switch, on S. side of track, on top at NW. corner of concrete base of semaphore 1678; chiseled square	1,158.58
Stoutland, 1 mi. NE. of, along St. Louis-San Francisco Ry., in SE. cor. NE $\frac{1}{4}$ sec. 30, T. 36 N., R. 14 W., 220 ft. SW. of rd. crossing, 45 ft. S. of track, 35 ft. W. of rd. at sharp curve, 12 ft. S. of telephone pole, on large boulder; chiseled square	1,127.71

(Continued in Richland quadrangle; see line 4.)

3. SOUTH ALONG STATE HIGHWAY 5 NEAR WEST BORDER OF QUADRANGLE

	<u>Feet</u>
Camdenton, 0.8 mi. SE. of, along State Highway 5, in NE. corner of abandoned schoolyard, 24 ft. S. of highway, in root on N. side of 24-in. oak tree; copper nail and washer	1,001.60
Camdenton, 1.9 mi. SE. of, along State Highway 5, in NW $\frac{1}{4}$ sec. 32, T. 38 N., R. 16 W., 50 ft. S. of highway, in root on NW. side of 25-in. oak tree; copper nail and washer	1,018.48
Camdenton, 2.5 mi. SE. of, along State Highway 5, in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, T. 38 N., R. 16 W., 75 ft. N. of highway at rd. N., in NE. head wall of concrete culvert; standard tablet stamped "101 M 1931"	1,036.845
Reference mark, 29 ft. NW. of tablet, in root on S. side of 25-in. oak tree; copper nail and washer	1,036.35
Camdenton, 3.3 mi. SE. of, along State Highway 5, near W. sixteenth cor. on S. line of sec. 33, T. 38 N., R. 16 W., 35 ft. S. and 20 ft. W. from highway at crossroad, in root on NE. side of 14-in. oak tree; copper nail and washer	1,049.22
Camdenton, 4.2 mi. SE. of, along State Highway 5, in S $\frac{1}{2}$ sec. 4, T. 37 N., R. 16 W., 180 ft. N. of highway at rd. E., 20 ft. W. of highway, on N. end of W. head wall of concrete culvert; chiseled square	1,048.85
Decaturville, 4.2 mi. N. of, along State Highway 5, in NW $\frac{1}{4}$ sec. 9, T. 37 N., R. 16 W., 40 ft. E. of highway, 79 ft. N. of NW. corner of church; iron post stamped "Prim Trav Sta No 26 1913 Mo"	1,084.250
Reference mark, 105 ft. S. and 45 ft. E. from tablet, in root on W. side of 18-in. oak tree; copper nail and washer	1,085.55
Decaturville, 3.7 mi. N. of, along State Highway 5, 170 ft. N. of highway at crossroad, concrete post	1,092.15
Decaturville, 3.1 mi. N. of, along State Highway 5, near N. sixteenth cor. sec. 17, T. 37 N., R. 16 W., 50 ft. E. of SE. corner of filling sta., in triangle formed by junction of rd. to Hahatonka, on S. end of W. head wall of concrete culvert; chiseled square	1,071.29
Decaturville, 2.8 mi. N. of, along State Highway 5, near center sec. 17, T. 37 N., R. 16 W., on W. head wall of concrete culvert; chiseled square	1,083.17
Decaturville, 2.3 mi. N. of, along State Highway 5, in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, T. 37 N., R. 16 W., on W. head wall of concrete culvert; chiseled square	1,097.68
Decaturville, 1.6 mi. N. of, along State Highway 5, in SE $\frac{1}{4}$ sec. 20, T. 37 N., R. 16 W., 50 ft. S. and 25 ft. E. from highway at rd., in S. head wall of concrete culvert; standard tablet stamped "102 M 1931"	1,102.524
Reference mark, 60 ft. SE. of tablet, in root on W. side of 20-in. oak tree; copper nail and washer	1,104.91
Decaturville, 0.7 mi. N. of, along State Highway 5, in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, T. 37 N., R. 16 W., at top of hill, 60 ft. E. of highway, in root on N. side of 10-in. hickory tree; copper nail and washer	1,141.90
Decaturville, in NW $\frac{1}{4}$ sec. 33, T. 37 N., R. 16 W., 15 ft. W. of State Highway 5 at crossroad, on SE. corner of store of J. H. Green and Sons; chiseled square	1,053.22
Decaturville, 0.3 mi. S. of, along State Highway 5, in NW $\frac{1}{4}$ sec. 33, T. 37 N., R. 16 W., on W. head wall of concrete culvert; painted square	1,000.84
Decaturville, 0.7 mi. S. of, along State Highway 5, center of SW $\frac{1}{4}$ sec. 33, T. 37 N., R. 16 W., NW. of highway at crossroad, on N. end of W. head wall of concrete culvert; chiseled square	1,021.49
Decaturville, 1 mi. S. of, on line between secs. 4 and 33, Tps. 36 and 37 N., R. 16 W., about 550 ft. E. of State Highway 5, on Camden-Laclede county line, on W. side of old rd., 2 ft. from fence; iron post stamped "Prim Trav Sta No 27 1913 Mo"	991.178
Reference mark, 25 ft. S. and 38 ft. E. from tablet, in root on SE. side of 25-in. water-oak tree; copper nail and washer	990.01
Decaturville, 1.8 mi. S. of, along State Highway 5, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, T. 36 N., R. 16 W., on N. end of W. head wall of concrete culvert; chiseled square	955.63
Decaturville, 2.4 mi. S. of, along State Highway 5, in NE. cor. sec. 8, T. 36 N., R. 16 W., on top of W. guard rail at N. end of concrete bridge; chiseled square	960.96
Decaturville, 2.7 mi. S. of, in NE. cor. SE $\frac{1}{4}$ sec. 8, T. 36 N., R. 16 W., SW. of rd. forks, on S. head wall of concrete culvert; painted square	996.43
T. 36 N., R. 16 W., in SE $\frac{1}{4}$ sec. 8, at Bidwell, 0.1 mi. W. of State Highway 5, on NE. corner of concrete platform of church; chiseled square	1,008.36
T. 36 N., R. 16 W., S. sixteenth cor. sec. 8, 0.5 mi. SW. of Bidwell, 30 ft. N. and 10 ft. W. from rd. forks, 15 ft. N. and 22 ft. W. from fence corner, in root on W. side of 12-in. oak tree; copper nail and washer	1,058.61
T. 36 N., R. 16 W., in NW. cor. sec. 17, 25 ft. S. and 110 ft. W. from T-rd. S., in root on N. side of 20-in. oak tree; copper nail and washer	1,130.22
T. 36 N., R. 16 W., E. sixteenth cor. between secs. 7 and 18, 30 ft. N. and 60 ft. W. from T-rd. N., in sandstone post; standard tablet stamped "103 M 1931"	1,149.056
Reference mark, 64 ft. S. and 220 ft. E. from tablet, in root on W. side of 20-in. oak tree; copper nail and washer	1,148.92
T. 36 N., R. 16 W., in NW $\frac{1}{4}$ sec. 18, 720 ft. E. of T-rd. E., at E. gatepost of private rd. N., in root on SE. side of 25-in. oak tree; copper nail and washer	1,161.37
Grace, quarter cor. between secs. 13 and 18, T. 36 N., Rs. 16 and 17 W., 100 ft. N. and 80 ft. E. from crossroads, in root on N. side of 25-in. oak tree; copper nail and washer	1,151.39
Grace, about 1 mi. S. of, near quarter cor. between secs. 19 and 24, T. 36 N., Rs. 16 and 17 W., 80 ft. N. and 20 ft. W. from T-rd. E., 4 ft. W. of fence, in root on SE. side of 15-in. oak tree; copper nail and washer	1,154.18

4. NORTH ALONG WEST BORDER OF QUADRANGLE TO ELDRIDGE
(Continued from Lebanon quadrangle; see line 2.)

	<u>Feet</u>
T. 35 N., R. 16 W., near quarter cor. between secs. 19 and 20, SE. of T-rd. E., in W. side of corner fence post; spike	1,194.30
T. 35 N., R. 16 W., cor. secs. 17, 18, 19, and 20, 4 ft. N. and 21 ft. W. from T-rd. E., 4 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "123 M 1931"	1,215.378
Reference mark, 19 ft. S. and 22 ft. W. from tablet, in root on NE. side of 9-in. oak tree; copper nail and washer	1,216.05
T. 35 N., R. 16 W., N. sixteenth cor. between secs. 17 and 18, 45 ft. S. and 30 ft. E. from crossroads, in fence line, in root on N. side of 12-in. oak tree; copper nail and washer	1,215.35
T. 35 N., R. 16 W., 0.3 mi. S. of cor. secs. 5, 6, 7, and 8, on small hill, at E. edge of rd., in root on NW. side of 12-in. oak tree; copper nail and washer	1,174.76
T. 35 N., R. 16 W., cor. secs. 5, 6, 7, and 8, 15 ft. S. and 80 ft. W. from T-rd. S., 32 ft. S. and 100 ft. W. from fence corner, in root on NE. side of 14-in. oak tree; copper nail and washer	1,164.64
T. 35 N., R. 16 W., quarter cor. between secs. 6 and 7, 21 ft. S. and 8 ft. W. from rd. corner E. to N., 1 ft. N. of fence, in concrete post; standard tablet stamped "124 M 1931"	1,205.438
Reference mark, 10 ft. W. of tablet, at corner fence post, in root on NE. side of 24-in. oak tree; copper nail and washer	1,205.30
T. 35 N., R. 16 W., 15 ft. S. and 115 ft. E. from T-rd. N. at center sec. 6, 15 ft. S. and 8 ft. E. from T-rd. S., in root on NW. side of 12-in. oak tree; copper nail and washer	1,201.99
T. 36 N., R. 16 W., 285 ft. W. of T-rd. N. at S. quarter cor. sec. 31, 13 ft. N. and 45 ft. E. from T-rd. S., at N. quarter cor. sec. 6, T. 35 N., R. 16 W., in root on S. side of 20-in. oak tree; copper nail and washer	1,170.62
T. 36 N., R. 16 W., quarter cor. between secs. 30 and 31, 15 ft. N. and 22 ft. W. from T-rd. S., in root on SW. side of 24-in. oak tree; copper nail and washer	1,146.43
T. 36 N., Rs. 16 and 17 W., cor. secs. 25, 30, 31, and 36, 155 ft. N. of T-rd. E., on top of N. end of E. head wall of concrete culvert; chiseled square	1,179.60

5. FROM STOUTLAND NORTH ALONG EAST BORDER OF QUADRANGLE TO NORTHEAST CORNER, THENCE WEST ALONG NORTH BORDER (by C. E. Reick in 1932)

Stoutland, 2.2 mi. N. of, along rd. to Wet Glaize, on line between secs. 24 and 25, T. 36 N., R. 15 W., 30 ft. NW. of rd. fork W., in root of 20-in. oak tree; copper nail	1,100.57
Stoutland, about 3 mi. N. of, along rd. to Wet Glaize, in NW $\frac{1}{4}$ sec. 24, T. 36 N., R. 15 W., 20 ft. NE. of rd. fork E., in root of 15-in. oak tree; copper nail	1,074.12
Stoutland, 4.6 mi. N. of, in NE $\frac{1}{4}$ sec. 14, T. 36 N., R. 15 W., 45 ft. N. of rd. to Wet Glaize, 50 ft. NE. of mail box of George Hillhouse, in boulder; standard tablet stamped "20 R 1932"	948.138
Stoutland, 5.8 mi. N. of, along rd. to Wet Glaize, W. sixteenth cor. sec. 11, T. 36 N., R. 15 W., 35 ft. SW. of crossroads at Pritchett School, on concrete base of corner post; chiseled square	1,001.15
Wet Glaize, 3.5 mi. S. of, 1 mi. N. of Pritchett School, in SE $\frac{1}{4}$ sec. 2, T. 36 N., R. 15 W., 30 ft. W. of rd., in root of 20-in. oak tree; copper nail	1,025.66
Wet Glaize, 2 mi. S. of, in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 37 N., R. 15 W., 40 ft. SE. of rd., in center of large rock outcrop; standard tablet stamped "21 R 1932"	977.267
Reference mark, 38 ft. SW. of tablet, on ledge; chiseled square	975.48
Wet Glaize, 1 mi. SE. of, in SW $\frac{1}{4}$ sec. 25, T. 37 N., R. 15 W., 50 ft. NE. of rd. forks, in root of 10-in. elm tree; copper nail	837.49
Wet Glaize, in SW $\frac{1}{4}$ sec. 24, T. 37 N., R. 15 W., 300 ft. NW. of post office, 60 ft. SE. of blacksmith shop, in root of 24-in. walnut tree; copper nail	815.36
Wet Glaize, 1 mi. NE. of, in NE $\frac{1}{4}$ sec. 24, T. 37 N., R. 15 W., 12 ft. NE. of large spring, 8 ft. NW. of rd., in concrete wing wall of culvert; standard tablet stamped "22 R 1932"	794.487
Wet Glaize, 2 mi. NE. of, about 0.2 mi. W. of center sec. 18, T. 37 N., R. 14 W., 15 ft. S. of rd. fork SE., on ledge; chiseled square	780.09
Wet Glaize, 3 mi. NE. of, about 0.1 mi. N. of center sec. 7, T. 37 N., R. 14 W., 80 ft. N. of dry ford, on E. side of rd., in root of 18-in. hickory tree; copper nail	770.23
Wet Glaize, 4 mi. NE. of, in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, T. 37 N., R. 14 W., on E. side of rd., in root of 20-in. elm tree; copper nail	744.68
Wet Glaize, 5 mi. NE. of, in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 38 N., R. 14 W., on S. side of rd., in NE. corner of concrete porch of old store; standard tablet stamped "23 R 1932"	751.882
Reference mark, 370 ft. NE. of tablet, on S. end of culvert; chiseled square	758.71

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

Toronto, 2 mi. SE. of, along Richland rd., in N $\frac{1}{2}$ sec. 31, T. 38 N., R. 14 W., on NW. corner of concrete bridge over Auglaize Creek; chiseled square	719.96
Toronto, 1 mi. S. of, along Richland rd., center of NE $\frac{1}{4}$ sec. 36, T. 38 N., R. 15 W., 80 ft. SE. of rd. forks, in root of 20-in. oak tree; copper nail	835.51
Toronto, 0.2 mi. S. of, in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, T. 38 N., R. 15 W., 120 ft. NW. of junction of rd. to Montreal, in ledge; standard tablet stamped "24 R 1932"	746.270

	<u>Feet</u>
Reference mark, 430 ft. SW. of tablet, in root of 18-in. ash tree; copper nail	733.27
Toronto, 1.7 mi. SW. of, in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 38 N., R. 15 W., on W. side of rd., in root of 24-in. oak tree; copper nail	938.07
Toronto, 3.2 mi. SW. of, 0.2 mi. S. of center sec. 34, T. 38 N., R. 15 W., at rd. corner N. to W., in line with rd. W., in ledge; standard tablet stamped "25 R 1932"	955.757
Reference mark, 100 ft. NW. of tablet, in root of 18-in. oak tree; copper nail	956.39
Montreal, 0.7 mi. N. and 0.4 mi. E. from, S. quarter cor. sec. 33, T. 38 N., R. 15 W., 240 ft. W. of T-rd. N., in root of 18-in. oak tree; copper nail	1,023.14
Montreal, S. sixteenth cor. between secs. 4 and 5, T. 37 N., R. 15 W., 42 ft. NW. of T-rd. W., 130 ft. SW. of post office, in concrete post; standard tablet stamped "26 R 1932"	1,028.904
Reference mark, 140 ft. W. of tablet, in fence line; 1-in. steel shaft	1,022.48
Montreal, 1.3 mi. W. of, near center of SE $\frac{1}{4}$ sec. 6, T. 37 N., R. 15 W., 20 ft. S. of rd., in root of 24-in. oak tree; copper nail	1,028.34
Montreal, 2.5 mi. W. of, along County Route T, in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 37 N., R. 16 W., 425 ft. S. of mail box of L. Bookhout, on W. side of rd., in root of 15-in. oak tree; copper nail	1,028.95
Montreal, 3.9 mi. NW. of, along County Route T, in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 38 N., R. 16 W., 600 ft. S. of bridge over Dry Auglaize Creek, 30 ft. NE. of mail box of H. F. Wilson, on E. side of rd., in ledge; standard tablet stamped "27 R 1932"	824.540
Reference mark, 800 ft. N. of tablet, in root of 30-in. tree; copper nail	811.78
Montreal, 5 mi. NW. of, along County Route T, in SW $\frac{1}{4}$ sec. 35, T. 38 N., R. 16 W., about 0.5 mi. S. of old Chauncey post office, 30 ft. N. of highway at rd. S., on boulder; chiseled square	937.67
Montreal, 6.3 mi. W. of, along County Route T, on line between secs. 3 and 34, Tps. 37 and 38 N., R. 16 W., 80 ft. S. of highway at private rd. S., in root of 20-in. oak tree; copper nail	1,005.98

6. WEST ALONG SOUTH BORDER OF QUADRANGLE (by Cornish Beck in 1935)

Lebanon, about 11.1 mi. NE. of, along U.S. Highway 66, on line between secs. 19 and 24, T. 35 N., Rs. 14 and 15 W., 30 ft. N. and 15 ft. E. from highway at rd. N., on E. head wall of concrete culvert; chiseled square	994.01
Lebanon, 10 mi. NE. of, along U.S. Highway 66, about 200 ft. N. and 5 ft. E. from quarter cor. between secs. 23 and 24, T. 35 N., R. 15 W., 39 ft. S. and 5 ft. E. from highway at fences N. and S., 100 ft. NE. of old borrow pit, on S. side of highway, in concrete post; standard tablet stamped "1292 E R A 1935"	1,030.988
Lebanon, about 8.2 mi. NE. of, along U.S. Highway 66, in SW $\frac{1}{4}$ sec. 22, T. 35 N., R. 15 W., near top of small hill, about 80 ft. S. of creek, 80 ft. N. of NE. corner of borrow pit, 40 ft. N. of highway, in root on S. side of 16-in. white-oak tree; copper nail and washer	1,045.39
Sleeper, 0.2 mi. S. and 1 mi. E. from, near NE. cor. sec. 21, T. 35 N., R. 15 W., 40 ft. NE. of rd. at curve from E. to SE., 22 ft. SW. of triangular-blazed 18-in. oak tree, in concrete post; standard tablet stamped "1291 E R A 1935"	1,101.900
Sleeper, 1 mi. W. of, near W. sixteenth cor. between secs. 17 and 20, T. 35 N., R. 15 W., 15 ft. N. and 6 ft. E. from junction of dim rd. N., in fence corner, in root on S. side of 20-in. blackjack-oak tree; copper nail and washer	1,208.65
Sleeper, about 1.9 mi. W. of, about 0.2 mi. W. of quarter cor. between secs. 18 and 19, T. 35 N., R. 15 W., on NW. corner of NW. abutment of concrete bridge; painted square	1,073.03
Lebanon, 5 mi. N. and 1.5 mi. E. from, along State Highway 5 and other rds., in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 35 N., R. 16 W., 20 ft. W. of N.-S. rd., 34 ft. S. and 96 ft. W. from SW. corner of dwelling of Floyd Gross, in concrete post; standard tablet stamped "1290 E R A 1935"	1,106.613
Lebanon, about 5.2 mi. N. and 1 mi. E. from, along State Highway 5 and other rds., near S. sixteenth cor. between secs. 13 and 14, T. 35 N., R. 16 W., 25 ft. N. of gate to yard of J. L. Earle, 18 ft. W. of rd., in root on E. side of 30-in. elm tree; copper nail and washer	1,183.27
Lebanon, about 5 mi. N. of, along State Highway 5 and other rds., about 0.4 mi. E. of cor. secs. 14, 15, 22, and 23, T. 35 N., R. 16 W., 21 ft. N. of pond, near center of lane, in root on S. side of 30-in. post-oak tree; copper nail and washer	1,220.08
U.S.C. & G.S. standard disk stamped "C 30 1935"	1,225.746

(Continued in Lebanon quadrangle; see line 6.)

7. NEAR CENTER OF EAST BORDER OF QUADRANGLE

(Continued from Richland quadrangle; see line 9.)

Richland, about 7.5 mi. NW. of, along Richland-Wet Glaize rd., in NE $\frac{1}{4}$ sec. 31, T. 37 N., R. 14 W., on W. bank of Wet Glaize Creek, 55 ft. S. of rd., in root on NW. side of 38-in. water-oak tree; copper nail and washer	824.73
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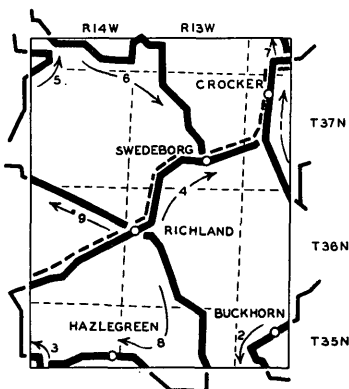
Richland, about 8.3 mi. NW. of, along Richland-Wet Glaize rd., near NW. cor. sec. 31, T. 37 N., R. 14 W., at top of hill, 45 ft. S. and 10 ft. W. from rd. fork N., in root on NW. side of 7-in. post-oak tree; copper nail and washer

Feet
971.87

For additional level lines along St. Louis-San Francisco Ry. and State Highway 5, refer to U.S. Coast and Geodetic Survey second-order lines, Lebanon to Arlington and Mansfield to Versailles.

RICHLAND QUADRANGLE
(Latitude 37°45'-38°; longitude 92°15'-92°30')

Camden, Laclede, and Pulaski Counties



1. NORTH ALONG NORTH HALF OF EAST BORDER OF QUADRANGLE (by W. R. Broadus in 1925)

(Continued from Waynesville quadrangle; see line 5.)

Crocker, 5 mi. S. of, along Waynesville rd., near center SE $\frac{1}{4}$ sec. 33, T. 37 N., R. 12 W., at top of Gasconade River bluff, 55 ft. W. of rd. forks, in root on N. side of 20-in. white-oak tree; copper nail and washer	987.68
Crocker, 4 mi. S. of, along Waynesville rd., near S. sixteenth cor. sec. 28, T. 37 N., R. 12 W., 270 ft. NW. of dwelling of Oscar Walters, in top of E. guard rail of concrete culvert; standard tablet stamped "16 B 1925 Mo"	1,002.983
Reference mark, 43 ft. S. 40° W. of tablet, in root on NE. side of 20-in. black-oak tree; copper nail and washer	999.61
Crocker, 2.4 mi. S. of, along Waynesville rd., in SW $\frac{1}{4}$ sec. 21, T. 37 N., R. 12 W., 50 ft. NE. of crossroad, 35 ft. N. of rd., in root on W. side of 6-in. post-oak tree; copper nail and washer	1,113.77
Crocker, 1.3 mi. S. of, along Waynesville rd., near S. sixteenth cor. between secs. 16 and 17, T. 37 N., R. 12 W., 480 ft. SE. of St. Louis-San Francisco Ry. at rd. crossing, 30 ft. N. of rd. forks, in root on S. side of 15-in. post-oak tree; copper nail and washer	1,105.49
Crocker, 0.8 mi. S. of, along Waynesville rd., near E. sixteenth cor. sec. 17, T. 37 N., R. 12 W., 40 ft. NW. of rd. forks, on top of S. end of first concrete step in front of dwelling of Charles Johnson; chiseled square	1,134.10
Crocker, 160 ft. SW. of St. Louis-San Francisco Ry. sta., in concrete footstone at entrance to Crocker State Bank; standard tablet stamped "17 B 1925 Mo 1124"	1,123.439
Reference mark, 400 ft. N. of tablet, on top of third step at entrance to printing shop; chiseled square	1,114.44
Crocker, 0.8 mi. N. of, along State Highway 17, near cor. secs. 4, 5, 8, and 9, T. 37 N., R. 12 W., 240 ft. N. of rd. junction, 70 ft. NE. of dwelling of W. D. Grove, 20 ft. W. of highway, in root on S. side of forked post-oak tree; copper nail and washer	1,157.50
Crocker, 1.4 mi. N. of, along State Highway 17, 0.2 mi. E. of quarter cor. between secs. 4 and 5, T. 37 N., R. 12 W., 45 ft. E. of rd. junction, (now junction of State Highways 17 and 133), in root on E. side of 12-in. post-oak tree; copper nail and washer	1,163.12
Crocker, 2.3 mi. N. of, along State Highway 17, in SE $\frac{1}{4}$ sec. 32, T. 36 N., R. 12 W., 55 ft. SE. of junction of dim rd. E., in root on SW. side of 14-in. pin-oak tree; copper nail and washer	1,127.90
Crocker, 2.7 mi. N. of, along State Highway 17, about 0.2 mi. N. of quarter cor. between secs. 32 and 33, T. 36 N., R. 12 W., 70 ft. E. of rd. junction, 15 ft. S. of rd., 2 ft. inside fence, in concrete post; standard tablet stamped "18 B 1925 Mo"	1,150.851

Reference mark, 57 ft. SW. of tablet, in root on E. side of 16-in. post-oak tree; copper nail and washer	<u>Feet</u> 1,148.17
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(Continued in Waynesville quadrangle; see line 6.)

2. SOUTH IN SOUTHEAST CORNER OF QUADRANGLE

(Continued from Waynesville quadrangle; see line 7.)

Waynesville, 4.8 mi. SW. of, in SW $\frac{1}{4}$ sec. 4, T. 35 N., R. 12 W., 0.6 mi. NE. of Buckhorn, 250 ft. SW. of rd. junction, on top of S. head wall of concrete culvert; chiseled square	1,152.66
Buckhorn, in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 35 N., R. 12 W., 150 ft. SW. of store, 48 ft. N. and 24 ft. W. from U.S. Highway 66 at rd. N., 2 ft. N. of fence, in concrete post; standard tablet stamped "1452 E R A 1935" (Above described tablet is in same concrete post as old tablet stamped "24 B 1925 Mo". Elevation was established by Cornish Beck in 1935)	1,114.716
Reference mark, 160 ft. W. of tablet, in root on S. side of 20-in. post-oak tree; copper nail and washer	1,115.60
Buckhorn, 0.7 mi. SW. of, in SW $\frac{1}{4}$ sec. 8, T. 35 N., R. 12 W., 20 ft. N. of rd. junction, on W. side of highway, on top of head wall of concrete culvert; chiseled square	1,121.43
Buckhorn, 1 mi. SW. of, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 35 N., R. 12 W., 50 ft. NE. of rd. junction, at top of hill, in root on W. side of 15-in. oak tree; copper nail and washer	1,136.76
Hanna, 3.1 mi. NW. of, near center sec. 17, T. 35 N., R. 12 W., 40 ft. S. of rd. forks, in root on N. side of 7-in. post-oak tree; copper nail and washer	1,062.88

(Continued in Drynob quadrangle; see line 1.)

3. IN SOUTHWEST CORNER OF QUADRANGLE (by George W. Moore in 1931)

(Continued from Drynob quadrangle; see line 4.)

T. 35 N., R. 14 W., in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, S. of U.S. Highway 66 at rd. S., on concrete culvert; chiseled square	1,093.05
T. 35 N., R. 14 W., near center E $\frac{1}{2}$ sec. 20, on U.S. Highway 66, on top of S. parapet wall of W. abutment of concrete bridge; chiseled square	1,008.82

(Continued in Stoutland quadrangle; see line 1.)

4. FROM WEST BORDER OF QUADRANGLE NORTHEAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO POINT NEAR EAST BORDER

(Continued from Stoutland quadrangle; see line 2.)

Stoutland, 1.6 mi. NE. of, along St. Louis-San Francisco Ry., in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 36 N., R. 14 W., 65 ft. W. of semaphore 1660, on center of N. head wall of concrete culvert; chiseled square	1,080.83
Stoutland, 2.1 mi. NE. of, along St. Louis-San Francisco Ry., near N. sixteenth cor. between secs. 28 and 29, T. 36 N., R. 14 W., 46 ft. S. and 30 ft. W. from rd. crossing, 5 ft. N. and 37 ft. W. from T-fence, in concrete post; standard tablet stamped "125 M 1931"	1,062.562
Reference mark, 70 ft. N. and 15 ft. E. from tablet, on top of rock outcrop; chiseled square	1,065.18
Stoutland, 3.3 mi. NE. of, along St. Louis-San Francisco Ry., 10 ft. SW. of track, in top of board leading to cast-iron switch plug for battery; copper nail and washer	1,107.24
Stoutland, 3.7 mi. NE. of, along St. Louis-San Francisco Ry., near center sec. 27, T. 36 N., R. 14 W., 225 ft. N. of rd. forks, 45 ft. W. of switch to Garnsey siding, 25 ft. W. of rd. crossing, on top of SE. corner of concrete base of semaphore 1637; chiseled square	1,122.97
Stoutland, 4.5 mi. NE. of, along St. Louis-San Francisco Ry., in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T. 36 N., R. 14 W., 35 ft. N. of switch at N. end of Garnsey siding, on E. side of track, on top of SW. corner of concrete base of semaphore 1630; chiseled square	1,110.26
Stoutland, 5 mi. NE. of, along St. Louis-San Francisco Ry., in W $\frac{1}{2}$ sec. 23, T. 36 N., R. 14 W., 370 ft. NE. of rd. crossing, on SE. side of track, on top of SE. corner of concrete base of semaphore 1624; chiseled square	1,122.77
Richland, 2.2 mi. SW. of, along St. Louis-San Francisco Ry., 5.7 mi. NE. of Stoutland, in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T. 36 N., R. 14 W., 50 ft. S. and 15 ft. E. from rd. crossing, 2 ft. N. of fence, in concrete post; standard tablet stamped "126 M 1931"	1,100.359
Reference mark, 16 ft. N. and 150 ft. E. from tablet, in root on W. side of 22-in. black-oak tree; copper nail and washer	1,100.26
Richland, 1.2 mi. W. of, along St. Louis-San Francisco Ry., in NW $\frac{1}{4}$ sec. 13, T. 36 N., R. 14 W., on W. side of track, on top of NE. corner of concrete base of semaphore 1607; chiseled square	1,114.69
Richland, 0.4 mi. W. of, along St. Louis-San Francisco Ry., in NE. cor. sec. 13, T. 36 N., R. 14 W., 110 ft. E. of switch, on top of W. end of S. head wall of concrete culvert; chiseled square	1,117.63
Richland, in NW $\frac{1}{4}$ sec. 18, T. 36 N., R. 13 W., 130 ft. S. and 35 ft. E. from St. Louis-San Francisco Ry. at first rd. crossing SE. of sta., at Burgner, Bowman & Matthews Lumber Co., on top of N. wing wall of scale; chiseled square	1,141.90
Richland, 0.9 mi. E. of, along St. Louis-San Francisco Ry., on line between secs. 17 and 18, T. 36 N., R. 13 W., 70 ft. N. and 25 ft. E. from rd. crossing, 5 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "127 M 1931"	1,109.463
Reference mark, 15 ft. S. and 100 ft. E. from tablet, on top of NW. corner of concrete base of semaphore 1589; chiseled square	1,114.61

	Feet
Richland, 1.3 mi. NE. of, along St. Louis-San Francisco Ry., in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 8, T. 36 N., R. 13 W., 35 ft. N. and 170 ft. W. from rd. crossing, 35 ft. N. and 30 ft. W. from County Route B at private rd. N., in root on SW. side of 15-in. oak tree; copper nail and washer	1,114.98
Richland, 2.2 mi. NE. of, along St. Louis-San Francisco Ry., near center of NE $\frac{1}{4}$ sec. 8, T. 36 N., R. 13 W., on E. side of track, on top of W. side of concrete battery well at semaphore 1574; chiseled square	1,099.29
Richland, 2.8 mi. NE. of, along St. Louis-San Francisco Ry., in SE $\frac{1}{4}$ sec. 5, T. 36 N., R. 13 W., 65 ft. N. of rd. crossing, on W. corner of concrete platform of well; chiseled square	1,107.35
St. John, 3.8 mi. NE. of Richland, along St. Louis-San Francisco Ry., in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 32, T. 37 N., R. 13 W., 250 ft. S. and 48 ft. E. from switch opposite ticket office, 58 ft. S. and 48 ft. E. from rd. crossing, in concrete post; standard tablet stamped "128 M 1931"	1,071.694
Reference mark, 38 ft. W. of tablet, on SW. corner of concrete base of semaphore 1558; chiseled square	1,073.66
St. John, 1 mi. N. of, along St. Louis-San Francisco Ry., in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, T. 37 N., R. 13 W., 140 ft. S. and 25 ft. E. from rd. crossing, in root on W. side of 18-in. oak tree; copper nail and washer	1,125.48
Swedeberg, 1.8 mi. W. of, along St. Louis-San Francisco Ry., in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, T. 37 N., R. 13 W., 44 ft. NW. of track, 18 ft. SE. of County Route B, in root on S. side of 24-in. oak tree; copper nail and washer	1,184.71
Swedeberg, 0.8 mi. W. of, along St. Louis-San Francisco Ry., in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 37 N., R. 13 W., 43 ft. S. of track, 8 ft. S. of fence, in root on NW. side of 8-in. oak tree; copper nail and washer	1,161.05
Swedeberg, in NW $\frac{1}{4}$ sec. 26, T. 37 N., R. 13 W., 280 ft. W. of St. Louis-San Francisco Ry. sta., 86 ft. S. of post office, 23 ft. N. and 130 ft. W. from N. track at rd. crossing, in concrete post; standard tablet stamped "129 M 1931"	1,120.821
Reference mark, 45 ft. S. and 190 ft. W. from tablet, on N. edge of concrete battery well at semaphore 1522; chiseled square	1,121.74
Swedeberg, 0.7 mi. NE. of, along St. Louis-San Francisco Ry., in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 37 N., R. 13 W., 75 ft. NE. of switch at end of double track, on SE. side of track, on NW. corner of concrete base of semaphore 1516; chiseled square	1,137.80
Swedeberg, 1.1 mi. NE. of, along St. Louis-San Francisco Ry., on line between secs. 23 and 24, T. 37 N., R. 13 W., 124 ft. S. and 30 ft. W. from County Route B at rd. N., 68 ft. S. of track, 19 ft. S. and 30 ft. W. from T-fence S., in root on NE. side of 14-in. oak tree; copper nail and washer	1,136.47
Swedeberg, 1.6 mi. NE. of, along St. Louis-San Francisco Ry., in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 37 N., R. 13 W., 200 ft. W. of rd. crossing, 150 ft. E. of fence, on S. side of track, on NW. corner of concrete base of semaphore 1506; chiseled square	1,125.10
Swedeberg, 2.1 mi. NE. of, along St. Louis-San Francisco Ry., near line between secs. 19 and 24, T. 37 N., R. 12 and 13 W., 27 ft. N. and 150 ft. E. from Templar Park rd. crossing, 150 ft. E. of County Route B at crossroad, on N. side of track, on NW. corner of concrete base of semaphore 1501; chiseled square	1,128.83
Swedeberg, 2.7 mi. NE. of, along St. Louis-San Francisco Ry., in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 37 N., R. 12 W., 55 ft. S. of track, 180 ft. S. and 115 ft. W. from curve in County Route B, 3 ft. S. of fence, in concrete post; standard tablet stamped "130 M 1931"	1,112.265
Reference mark, 8 ft. S. and 23 ft. E. from tablet, in root on NE. side of 18-in. oak tree; copper nail and washer	1,111.32
Swedeberg, 3.5 mi. NE. of, along St. Louis-San Francisco Ry., in NW $\frac{1}{4}$ sec. 20, T. 37 N., R. 12 W., 7 ft. S. and 25 ft. E. from track at rd. crossing, on NW. corner of concrete base of semaphore 1488; chiseled square	1,082.04
Crocker, 1.6 mi. S. of, along St. Louis-San Francisco Ry., 4 mi. NE. of Swedeberg, in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, T. 37 N., R. 12 W., on N. side of track, on SE. corner of concrete base of semaphore 1483; chiseled square	1,101.13

5. IN NORTHWEST CORNER OF QUADRANGLE (by C. E. Reick in 1932)
(Continued from Stoutland quadrangle; see line 5.)

Wet Glaize, about 6.8 mi. NE. of, 240 ft. E. of center sec. 29, T. 38 N., R. 14 W., 160 ft. SW. of rd. fork E., in root of 24-in. oak tree; copper nail	764.09
Wet Glaize, 6 mi. NE. of, near W. sixteenth cor. sec. 32, T. 38 N., R. 14 W., 15 ft. N. and 95 ft. W. from Richland-Toronto rd. at rd. S. to Stoutland, in concrete post; standard tablet stamped "T T 165 B 1932"	885.888
Reference mark, 120 ft. W. of tablet, in root of 24-in. oak tree; copper nail	880.81

(Continued in Stoutland quadrangle; see line 5.)

6. FROM POINT NEAR NORTHWEST CORNER OF QUADRANGLE EAST AND SOUTH TO POINT 1 MILE NORTH OF SWEDEBERG

T. 38 N., R. 14 W., in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, 450 ft. W. of dwelling of J. E. Holdren, 30 ft. N. of rd., in root of 18-in. oak tree; copper nail	901.18
Glover Chapel, 2.8 mi. E. of, along rd. to Crocker, in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, T. 38 N., R. 14 W., 75 ft. E. of ford across Deane Creek, 20 ft. S. of rd., 10 ft. SW. of triangular-blazed tree, in concrete post; standard tablet stamped "T T 166 B 1932"	795.324
T. 38 N., R. 14 W., in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, at ford across stream, on N. side of rd., on boulder; chiseled square	839.38

T. 38 N., R. 13 W., in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 31, 15 ft. S. and 20 ft. W. from rd. fork NE., 45 ft. NE. of NE. corner of dwelling of J. C. Sears, in concrete post; standard tablet stamped "T T 167 B 1932"	<u>Feet</u> 934.125
Reference mark, 180 ft. N. of tablet, in root of 10-in. oak tree; copper nail	944.97
T. 38 N., R. 13 W., in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, 10 ft. E. of rd., in root of 15-in. oak tree; copper nail	986.70
T. 38 N., R. 13 W., near W. sixteenth cor. sec. 29, 20 ft. NE. of T-rd. E., in 20-in. corner post; spike	1,141.53
T. 38 N., R. 13 W., near E. sixteenth cor. sec. 28, at top of hill, 10 ft. N. of rd., in root of 30-in. oak tree; copper nail	1,128.34
Hawkeye, 2.8 mi. E. of, near quarter cor. between secs. 27 and 28, T. 38 N., R. 13 W., 150 ft. S. of rd. forks, 45 ft. E. of rd., in concrete post; standard tablet stamped "T T 169 B 1932"	1,068.329
T. 38 N., R. 13 W., in SE $\frac{1}{4}$ sec. 33, 15 ft. SE. of rd. fork S., in root of 18-in. oak tree; copper nail	1,037.97
T. 37 N., R. 13 W., about 600 ft. W. of quarter cor. between secs. 3 and 4, 33 ft. S. and 20 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 170 B 1932"	1,149.378
Reference mark, 280 ft. S. of tablet, in root of 10-in. oak tree; copper nail	1,158.25
T. 37 N., R. 13 W., in SE $\frac{1}{4}$ sec. 9, 170 ft. N. of rd. fork E., on W. side of rd., in root of twin oak tree; copper nail	1,137.52
T. 37 N., R. 13 W., quarter cor. between secs. 10 and 15, 55 ft. S. and 25 ft. E. from T-rd. S., in concrete post; standard tablet stamped "T T 171 B 1932"	1,064.395
Reference mark, 50 ft. S. of tablet, in root of 18-in. oak tree; copper nail	1,069.52
Swedeborg, 2 mi. NW. of, in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 37 N., R. 13 W., on SW. side of rd., in root of 20-in. oak tree; copper nail	1,034.69
Swedeborg, about 1 mi. N. of, in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, T. 37 N., R. 13 W., 50 ft. S. of rd. fork E., 10 ft. E. of stream, in root of 30-in. elm tree; copper nail	1,005.82

7. IN NORTHEAST CORNER OF QUADRANGLE

T. 38 N., R. 12 W., in sec. 29, 90 ft. SE. of State Highway 17 at rd. W., in root of 20-in. oak tree; copper nail	1,098.07
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8. FROM RICHLAND SOUTHEAST ALONG COUNTY ROUTE A TO U.S. HIGHWAY 66, THENCE WEST ALONG SOUTH BORDER OF QUADRANGLE (by Cornish Beck in 1935)

U.S.C. & G.S. standard disk stamped "J 31 1934"	1,142.724
U.S.C. & G.S. standard disk stamped "K 31 1934"	1,118.489
Richland, about 1.8 mi. E. of, along County Route A, in NE $\frac{1}{4}$ sec. 17, T. 36 N., R. 13 W., about 150 ft. S. and 125 ft. W. from stucco dwelling of S. W. Craddock, 50 ft. W. of highway, in root on S. side of 18-in. water-oak tree; copper nail and washer	1,095.67
Richland, 0.5 mi. S. and 2 mi. E. from, along County Route A, in SW $\frac{1}{4}$ sec. 16, T. 36 N., R. 13 W., 35 ft. N. and 45 ft. E. from highway at rd. E., in concrete post; standard tablet stamped "1456 E R A 1935"	1,083.862
T. 36 N., R. 13 W., in SW $\frac{1}{4}$ sec. 21, 21 ft. W. of County Route A, 25 ft. S. and 8 ft. E. from fence corner, at lane leading to dwelling, on W. end of iron pipe culvert; painted square	
T. 36 N., R. 13 W., in SE $\frac{1}{4}$ sec. 28, 6 ft. N. and 18 ft. E. from County Route A at rd. E., on N. end of iron pipe culvert; painted square	1,036.37
T. 36 N., R. 13 W., in SW $\frac{1}{4}$ sec. 34, about 300 ft. W. of dwelling of B. L. Evans, 30 ft. E. of County Route A, 45 ft. N. of driveway, in concrete post; standard tablet stamped "1455 E R A 1935"	1,067.72
Gasconade River; high-water mark March 1935	1,021.345
T. 36 N., R. 13 W., in SW $\frac{1}{4}$ sec. 34, on NE. abutment of County Route A bridge over Gasconade River; chiseled square	830.5
T. 35 N., R. 13 W., in NE $\frac{1}{4}$ sec. 2, 60 ft. S. and 20 ft. W. from County Route A at rd. SE., in root on SE. side of 24-in. water-oak tree; copper nail and washer	834.47
T. 35 N., R. 13 W., in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, 40 ft. S. of County Route A, 50 ft. NE. of dwelling of J. W. Tanner, in concrete post; standard tablet stamped "1454 E R A 1935"	891.52
T. 35 N., R. 13 W., in SW $\frac{1}{4}$ sec. 12, about 780 ft. N. of schoolhouse, 75 ft. W. of County Route A at rd. S., in root on NE. side of 16-in. post-oak tree; copper nail and washer	1,064.786
Laquey, 25 ft. N. and 50 ft. W. from junction of County Routes A and P, in root on NE. side of 18-in. post-oak tree; copper nail and washer	1,182.39
T. 35 N., R. 13 W., quarter cor. between secs. 13 and 24, 33 ft. S. and 25 ft. W. from County Route A at dim rd. W., in root on SE. side of 14-in. post-oak tree; copper nail and washer	1,071.60
T. 35 N., R. 13 W., in NE $\frac{1}{4}$ sec. 24, 36 ft. N. and 45 ft. W. from U.S. Highway 66 at junction of County Route A, in concrete post; standard tablet stamped "1453 E R A 1935"	1,201.65
	1,250.733

(For balance in Drynob quadrangle; see line 9.)

T. 35 N., R. 13 W., in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, 160 ft. NW. of U.S. Highway 66 at old highway, 20 ft. NE. of new highway, on head wall of concrete culvert; chiseled square	1,046.43
T. 35 N., R. 13 W., near quarter cor. between secs. 17 and 18, 25 ft. N. and 15 ft. E. from U.S. Highway 66 at lane N., about 60 ft. N. and 100 ft. W. from Murphy service sta., on head wall of concrete culvert; chiseled square	1,063.25

Hazlegreen, 0.8 mi. E. of, along U.S. Highway 66, near E. line sec. 13, T. 35 N., R. 14 W., 35 ft. S. of highway, 15 ft. W. of Laclede-Pulaski county line, in concrete post; standard tablet stamped "1460 E R A 1935"	<u>Feet</u> 1,023.330
Hazlegreen, about 0.2 mi. W. of, along U.S. Highway 66, 120 ft. E. of fence on line between secs. 13 and 14, T. 35 N., R. 14 W., 90 ft. S. of door to Methodist Church, 30 ft. N. of highway, in root on S. side of 32-in. black-oak tree; copper nail and washer	980.65
Hazlegreen, about 1.2 mi. W. of, along U.S. Highway 66, in SW $\frac{1}{4}$ sec. 14, T. 35 N., R. 14 W., about 0.3 mi. E. of Gasconade River, on SE. wing wall of bridge G-404; chiseled square	877.63
Hazlegreen, 2 mi. W. of, along U.S. Highway 66, in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 35 N., R. 14 W., at crest of hill W. of Gasconade River, 300 ft. E. of cemetery, 35 ft. N. of highway, in concrete post; standard tablet stamped "1461 E R A 1935"	976.887
T. 35 N., R. 14 W., in NW $\frac{1}{4}$ sec. 21, 540 ft. W. of Rock Ridge filling sta., on E. head wall of concrete culvert under rd. NW.; chiseled square	1,095.35
T. 35 N., R. 14 W., near E. sixteenth cor. sec. 20, on U.S. Highway 66, on top of N. parapet wall of W. abutment of bridge; chiseled square	1,008.82

9. FROM RICHLAND NORTHWEST TO WEST BORDER OF QUADRANGLE

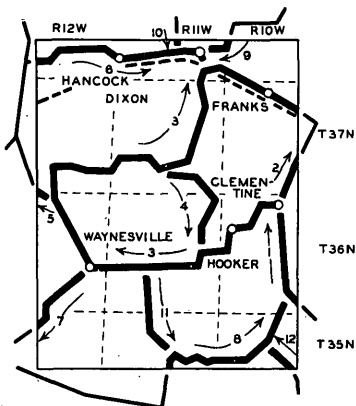
Richland, 0.6 mi. W. of, along rd. to Wet Glaize, in SE $\frac{1}{4}$ sec. 12, T. 36 N., R. 14 W., 100 ft. NW. of three tanks belonging to Shell Oil Company, 60 ft. N. of rd., in concrete post; standard tablet stamped "1447 E R A 1935"	1,114.937
Richland, 1.9 mi. NW. of, along rd. to Wet Glaize, in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 36 N., R. 14 W., 50 ft. N. of rd. at lane W., in gatepost, in root on S. side of 20-in. white-oak tree; copper nail and washer	1,109.62
Richland, 2.9 mi. NW. of, along rd. to Wet Glaize, in SW $\frac{1}{4}$ sec. 2, T. 36 N., R. 14 W., 30 ft. S. and 30 ft. W. from T-rd. S., in root on SW. side of 8-in. post-oak tree; copper nail and washer	1,056.24
Richland, 3.6 mi. NW. of, along rd. to Wet Glaize, in SE $\frac{1}{4}$ sec. 3, T. 36 N., R. 14 W., 100 ft. N. of Beulah Church, 40 ft. S. of rd., in concrete post; standard tablet stamped "1448 E R A 1935"	1,044.498
Richland, about 4.6 mi. NW. of, along rd. to Wet Glaize, in NE $\frac{1}{4}$ sec. 4, T. 36 N., R. 14 W., about 600 ft. E. of concrete dwelling, 45 ft. W. of fence corner, in root on N. side of 15-in. post-oak tree; copper nail and washer	935.02
Richland, about 5.4 mi. NW. of, along rd. to Wet Glaize, about 800 ft. W. of lane N. at S. quarter cor. sec. 33, T. 37 N., R. 14 W., 30 ft. S. of rd., 2 ft. S. of rock fence, in root on NE. side of 24-in. locust tree; copper nail and washer	898.58
Richland, 6.5 mi. NW. of, along rd. to Wet Glaize, in SW $\frac{1}{4}$ sec. 32, T. 37 N., R. 14 W., 25 ft. SW. of rd., in front yard of Clyde Glideon, in concrete post; standard tablet stamped "1449 E R A 1935"	992.214

(Continued in Stoutland quadrangle; see line 7.)

For an additional level line along St. Louis-San Francisco Ry., refer to U.S. Coast and Geodetic Survey second-order line, Lebanon to Arlington.

WAYNESVILLE QUADRANGLE
(Latitude $37^{\circ}45' - 38^{\circ}00'$; longitude $92^{\circ}00' - 92^{\circ}15'$)

Phelps and Pulaski Counties



1. NORTH ALONG NORTH PART OF SOUTH HALF OF EAST BORDER OF QUADRANGLE
(by Charles H. Swift in 1908)
(Continued from Rolla quadrangle; see line 2.)

Clementine, 3.3 mi. S. of, 10 ft. W. of rd. fork S. known as Arlington-Spring Creek rd., at sign marked "3.5 mi. to Spring Creek", in root of 20-in. black-oak tree; nail	<u>Feet</u> 1,109.03
Clementine, 2.1 mi. S. of, at junction of old Springfield rd. and new rd. NE. to Arlington, in root of 12-in. black-oak tree; nail	1,016.03
Clementine, 0.8 mi. S. of, at rd. forks, near small dwelling, in root of post-oak tree; nail	1,072.00

2. FROM CLEMENTINE NORTHWEST AND NORTHEAST ALONG FORMER STATE HIGHWAY 14, TO EAST BORDER OF QUADRANGLE (leveled once by Charles H. Swift in 1908 and twice by W. R. Broadus in 1925)

Clementine, at post office, 40 ft. N. and 30 ft. E. from quarter cor. between secs. 3 and 10, T. 36 N., R. 10 W., 40 ft. N. and 15 ft. E. from T-rd. W., in 30- by 14- by 8-in. sandstone; aluminum tablet stamped "Prim Trav Sta No 4 1908 Mo 1058"	1,057.652
Reference mark, 10 ft. NW. of tablet, in root on W. side of 24-in. post-oak tree; copper nail and washer	1,057.56
Clementine, 0.3 mi. NW. of, along former State Highway 14, 0.2 mi. E. of Phelps-Pulaski county line, 30 ft. S. and 65 ft. W. from highway at rd. SE., in root on W. side of 12-in. post-oak tree; copper nail and washer	1,072.82
Clementine, 1 mi. NW. of, along former State Highway 14, near junction of rd. E., at NW. corner of fence, in root of 18-in. black-oak tree; nail	1,023.28
Clementine, 1 mi. NW. of, along former State Highway 14, 120 ft. S. and 50 ft. E. from highway at crossroad, 700 ft. NE. of dwelling of M. J. Handley, 120 ft. N. of fence corner, in 8-in. white-oak tree; iron nail and washer	1,022.87
T. 37 N., R. 10 W., near cor. secs. 26, 27, 34, and 35, 85 ft. SW. of former State Highway 14 at rd. junction, 40 ft. E. of highway, in root on E. side of 24-in. black-oak tree; copper nail and washer	970.25

(Continued in Rolla quadrangle; see line 3.)

3. FROM CLEMENTINE SOUTHWEST ALONG FORMER STATE HIGHWAY 14 TO WAYNESVILLE, THENCE NORTHWEST TO POINT NEAR CENTER OF WEST BORDER OF QUADRANGLE, THENCE EAST AND NORTH TO VICINITY OF DIXON, THENCE SOUTHEAST TO EAST BORDER

Clementine, 1.1 mi. W. of, along former State Highway 14, 1.3 mi. E. of Hooker School, 630 ft. SW. of dim rd. junction, on W. side of highway, on top of W. head wall of concrete culvert; (mark not described)	924.12
Hooker, 0.7 mi. NE. of schoolhouse, along former State Highway 14, about 0.2 mi. W. of center sec. 9, T. 36 N., R. 10 W., in top of NW. head wall of concrete culvert; standard tablet stamped "1 B 1925 Mo"	810.057
Reference mark, 130 ft. N. of tablet, 80 ft. W. of highway, at foot of bluff, in root on NE. side of 12-in. white-oak tree; copper nail and washer	807.00
Hooker School, 90 ft. SW. of, on former State Highway 14, near center sec. 8, T. 36 N., R. 10 W., on top of N. head wall of concrete culvert; chiseled square	752.21
Hooker, about 0.2 mi. W. of, along former State Highway 14, in SE $\frac{1}{4}$ sec. 7, T. 36 N., R. 10 W., 900 ft. W. of grocery store of E. A. Odell, in railing 8-in. from N. end of concrete bridge; chiseled square	712.49

	<u>Feet</u>
Hooker, 1.5 mi. SW. of, along former State Highway 14, in NE $\frac{1}{4}$ sec. 18, T. 36 N., R. 10 W., on top of NW. concrete pier of bridge over Piney Creek; chiseled square	719.44
Piney Creek, under former State Highway 14 bridge; surface of water at 11 a.m. March 2, 1925	695.3
Hooker, 1.9 mi. SW. of, along former State Highway 14, 0.2 mi. E. of center sec. 18, T. 36 N., R. 10 W., 0.4 mi. SW. of bridge over Piney Creek, 670 ft. W. of Gilkey Elbow Store, in top of N. head wall of concrete culvert; standard tablet stamped "2 B 1925 Mo"	802.810
Reference mark, 35 ft. N. of tablet, in root on SE. side of 18-in. black-oak tree; copper nail and washer	810.20
Anderson School, 850 ft. N. of, 7 mi. E. of Waynesville, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 36 N., R. 11 W., 35 ft. E. of junction of former State Highway 14 and State Highway 28, in root on W. side of 12-in. black-oak tree; copper nail and washer	1,002.20
Anderson School, 0.6 mi. S. of, along former State Highway 14, in SE $\frac{1}{4}$ sec. 23, T. 36 N., R. 11 W., 180 ft. NE. of highway at curve, in fence line, in root on NE. side of 7-in. black-oak tree; copper nail and washer	1,040.16
Anderson School, 1.2 mi. SW. of, along former State Highway 14, in SE. cor. SW $\frac{1}{4}$ sec. 23, T. 36 N., R. 11 W., 70 ft. NE. of highway at rd. E., 25 ft. E. of highway, in stone post; standard tablet stamped "3 B 1925 Mo"	1,066.727
Reference mark, 130 ft. N. 25° W. of tablet, in root on NE. side of 24-in. post-oak tree; copper nail and washer	1,054.95
Gospel Ridge School, 0.5 mi. E. of, along former State Highway 14, in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, T. 36 N., R. 11 W., 55 ft. S. of highway, 15 ft. NE. of dwelling of W. H. Gilkey, in root on N. side of 18-in. post-oak tree; copper nail and washer	1,081.90
Gospel Ridge School, 0.4 mi. W. of, along former State Highway 14, 3.7 mi. E. of Waynesville, near N. sixteenth cor. sec. 28, T. 36 N., R. 11 W., 35 ft. N. and 30 ft. W. from highway at rd. N., in root on N. side of 12-in. black-oak tree; copper nail and washer	1,108.69
Waynesville, 3 mi. E. of, along former State Highway 14, in NE $\frac{1}{4}$ sec. 29, T. 36 N., R. 11 W., 0.2 mi. W. of stone garage, 240 ft. S. of U.S. Highway 66, 20 ft. N. of old Highway 14, 20 ft. SW. of old foundation of dwelling, in top of stone post; standard tablet stamped "4 B 1925 Mo"	1,118.027
Reference mark, 110 ft. S. of tablet, in root on N. side of 18-in. cedar tree; copper nail and washer	1,119.33
Waynesville, 2 mi. E. of, along former State Highway 14, near cor. secs. 19, 20, 29, and 30, T. 36 N., R. 11 W., 120 ft. SW. of dwelling of Sarah Fuller, 90 ft. N. of highway, in root on S. side of 24-in. black-oak tree; copper nail and washer	1,059.07
Waynesville, 1.3 mi. E. of, along former State Highway 14, in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 36 N., R. 11 W., 110 ft. NW. of junction of rd., 20 ft. S. of SE. corner of dwelling, in root on SE. side of 15-in. post-oak tree; copper nail and washer	1,050.81
Waynesville, 0.8 mi. E. of, along former State Highway 14, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 36 N., R. 11 W., 600 ft. W. of dwelling, at top of hill, on top of N. head wall of concrete culvert; chiseled square	1,024.26
Waynesville, at S. entrance to courthouse, on E. side of footstone; standard tablet stamped "5 B 1925 Mo"	805.074
Reference mark, 150 ft. NE. of tablet, in front of county jail, on top of concrete step; chiseled square	807.08
Waynesville, 0.2 mi. W. of, along former State Highway 14, on E. end of N. rail of concrete bridge over Roubidoux Creek; chiseled square	786.62
Waynesville, 0.7 mi. N. of, along rd. to Crocker, in NW $\frac{1}{4}$ sec. 24, T. 36 N., R. 12 W., 150 ft. S. of small drain, on W. side of rd., in fence corner, in root on W. side of 36-in. walnut tree; copper nail and washer	772.72
Waynesville, 1.6 mi. N. of, along rd. to Crocker, in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 36 N., R. 12 W., on top of E. head wall of concrete culvert; chiseled square	771.94
Waynesville, 2.3 mi. N. of, along rd. to Crocker, in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, T. 36 N., R. 12 W., 150 ft. SE. of entrance to cave at Krapf Resort, 25 ft. N. and 15 ft. W. from NE. corner of building, 33 ft. above rd., in stone ledge; standard tablet stamped "6 B 1925"	797.861
Reference mark, on top of wall at W. side of stairway, in front of main building; chiseled square	768.21
Waynesville, 3.1 mi. N. of, along rd. to Crocker, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, T. 36 N., R. 12 W., 1.4 mi. SW. of bridge over Gasconade River, on top of S. head wall of concrete culvert; chiseled square	765.52
Waynesville, 4.1 mi. N. of, along rd. to Crocker, 0.1 mi. SE. of cor. secs. 2, 3, 10, and 11, T. 36 N., R. 12 W., 0.3 mi. SE. of bridge over Gasconade River, 80 ft. SW. of junction of rd. NW., in bench on N. side of 30-in. post-oak tree; copper nail and washer	756.47
Waynesville, 4.4 mi. N. of, along rd. to Crocker, near cor. secs. 2, 3, 10, and 11, T. 36 N., R. 12 W., 140 ft. E. of SE. end of bridge over Gasconade River, 45 ft. N. of rd., 3 ft. S. of fence, in concrete post; standard tablet (set by water-resources branch of U.S. Geol. Survey)	752.544
Reference mark, 270 ft. NW. of tablet, in top of SE. pier of bridge over Gasconade River; painted rivet head	762.03
Gasconade River, under bridge; surface of water at 9 a.m. March 6, 1925	742.5
Waynesville, 4.8 mi. N. of, along rd. to Crocker, in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, T. 36 N., R. 12 W., 0.3 mi. NW. of bridge over Gasconade River, 45 ft. NW. of rd. forks, in top of stone post; standard tablet stamped "7 B 1925 Mo"	806.335
Reference mark, 93 ft. N. of tablet, in root on SW. side of 16-in. walnut tree; copper nail and washer	815.98

Waynesville, 6 mi. N. of, along rd. to Wheelers Mill, near E. sixteenth cor. sec. 34, T. 37 N., R. 12 W., 350 ft. W. of dwelling of J. C. Cussick, 20 ft. N. and 35 ft. E. from crossroad, in root on NE. side of 6-in. post-oak tree; copper nail and washer	<u>Feet</u> 860.78
Waynesville, 6.6 mi. N. of, along rd. to Wheelers Mill, near center sec. 35, T. 37 N., R. 12 W., 140 ft. S. of dwelling of S. G. Poulson, SE. of rd. forks, at fence corner, in root on S. side of 12-in. walnut tree; copper nail and washer	992.45
Waynesville, 7.7 mi. N. of, 2.3 mi. SW. of Wheelers Mill, about 0.3 mi. W. of quarter cor. between secs. 25 and 36, T. 37 N., R. 12 W., 35 ft. SW. of dwelling of Riley Carver, 2 ft. outside yard fence, in top of stone post; standard tablet stamped "8 B 1925 Mo"	1,004.823
Reference mark, 20 ft. NW. of tablet, in root on S. side of 24-in. walnut tree; copper nail and washer	1,005.17
Wheelers Mill, 1.7 mi. SW. of, S. sixteenth cor. sec. 25, T. 37 N., R. 12 W., 30 ft. N. of rd. fork E., in root on W. side of 15-in. post-oak tree; copper nail and washer	1,034.22
Wheelers Mill, 1.2 mi. SW. of, S. sixteenth cor. between secs. 25 and 30, T. 37 N., R. 11 and 12 W., 25 ft. S. and 20 ft. W. from rd. forks, in root on E. side of 18-in. post-oak tree; copper nail and washer	1,008.21
Wheelers Mill, in NE $\frac{1}{4}$ sec. 30, T. 37 N., R. 11 W., 300 ft. S. of store building, on hillside, 25 ft. W. of rd., in root on E. side of 24-in. post-oak tree; copper nail and washer	796.72
Gasconade River, at ford; surface of water at 4:30 p.m. March 9, 1925	719.4
Wheelers Mill, 0.4 mi. NE. of, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, T. 37 N., R. 11 W., 600 ft. E. and 66 ft. above ford across Gasconade River, 400 ft. NE. of rd. forks, 60 ft. SW. of rd., in stone ledge; standard tablet stamped "9 B 1925 Mo"	787.007
Reference mark, 90 ft. N. of tablet, 10 ft. NE. of rd., in root on S. side of 20-in. post-oak tree; copper nail and washer	797.20
Wheelers Mill, 0.8 mi. E. of, near quarter cor. between secs. 20 and 29, T. 37 N., R. 11 W., at top of hill, 35 ft. SW. of rd. at private lane to dwelling of J. L. Akley, in root on NE. side of 24-in. post-oak tree; copper nail and washer	958.36
Riddle Bridge over Gasconade River, 0.4 mi. W. of, near N. sixteenth cor. sec. 28, T. 37 N., R. 11 W., 650 ft. SW. of Gasconade Baptist Church, 45 ft. N. and 10 ft. E. from rd. forks, in root on W. side of 18-in. white-oak tree; copper nail and washer	769.55
Gasconade River, under Riddle Bridge; surface of water at 9 a.m. March 12, 1925	709.3
Riddle Bridge over Gasconade River, 0.5 mi. SE. of, in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 37 N., R. 11 W., 200 ft. S. of dwelling of Davidson Hand, 30 ft. N. of rd., in root on E. side of 12-in. cedar tree; copper nail and washer	805.70
T. 37 N., R. 11 W., near center sec. 27, 0.4 mi. NE. of dwelling of Davidson Hand, on W. bank of creek, 55 ft. E. of rd. forks, in bench on W. side of 48-in. sycamore tree; copper nail and washer	718.26
T. 37 N., R. 11 W., near quarter cor. between secs. 23 and 26, 0.4 mi. E. of dwelling of William Doyle, in Gasconade River valley, at upper end of Polley Bluff, 420 ft. SW. of dim rd. forks, in fence corner, in root on W. side of 15-in. hickory tree; copper nail and washer	741.22
Dixon, 6 mi. S. of, along State Highway 28, in SE $\frac{1}{4}$ sec. 23, T. 37 N., R. 11 W., 85 ft. SW. of highway at dim rd. SW. down river bluff, 10 ft. W. of dim rd. at gate, in top of stone post; standard tablet stamped "10 B 1925 Mo"	987.967
Reference mark, 22 ft. E. of tablet, in root on NE. side of 10-in. black-oak tree; copper nail and washer	989.37
Dixon, 5.2 mi. S. of, along State Highway 28, E. sixteenth cor. between secs. 14 and 23, T. 37 N., R. 11 W., 60 ft. E. of highway at rd. W., in root on W. side of 30-in. post-oak tree; copper nail and washer	998.08
Dixon, 4 mi. S. of, along State Highway 28, in SW $\frac{1}{4}$ sec. 12, T. 37 N., R. 11 W., 13 ft. S. and 30 ft. E. from highway at rd. E., in bench on N. side of 12-in. black-oak tree; copper nail and washer	1,028.59
Dixon, 3 mi. S. of, along State Highway 28, near W. sixteenth cor. between secs. 1 and 12, T. 37 N., R. 11 W., 270 ft. S. of highway at rd. E., in top of W. head wall of concrete culvert; standard tablet stamped "11 B 1925 Mo"	1,068.085
Reference mark, 114 ft. N. of tablet, in fence line, in root on W. side of 12-in. post-oak tree; copper nail and washer	1,067.42
Dixon, 1.6 mi. SE. of, along Franks rd., near center sec. 36, T. 38 N., R. 11 W., 250 ft. NE. of dwelling of P. J. Wright, on top of N. wing wall of W. abutment of small concrete bridge over creek; chiseled square	955.54
Dixon, 2.4 mi. SE. of, along Franks rd., near cor. Tps. 37 and 38 N., Rs. 10 and 11 W., at top of hill, 165 ft. NE. of dwelling, 65 ft. NE. of curve in rd., 15 ft. W. of fence line, in root on SE. side of 18-in. post-oak tree; copper nail and washer	1,088.53
Dixon, 3 mi. SE. of, along Franks rd., in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, T. 37 N., R. 10 W., 55 ft. SE. of rd. junction, in top of stone post; standard tablet stamped "12 B 1925"	1,122.901
Reference mark, 64 ft. W. of tablet, 25 ft. SE. of door to dwelling of Bert King, in root on S. side of 18-in. post-oak tree; copper nail and washer	1,121.50
Franks, 0.8 mi. NW. of, in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 37 N., R. 10 W., on N. side of St. Louis-San Francisco Ry., 55 ft. NW. of end of passing track, on N. corner of concrete base of semaphore; chiseled square	1,011.11
Franks, on top of E. end of second concrete step in front of general store of Walter Patterson; chiseled square	975.82
Franks, in front of St. Louis-San Francisco Ry. sta.; top of rail	973.2
Franks, 0.8 mi. E. of, along Franks-Jerome rd., E. sixteenth cor. between secs. 4 and 9, T. 37 N., R. 10 W., 30 ft. N. of rd. corner from W.-S., in fence line, on W. side of gate, in root on S. side of 9-in. post-oak tree; copper nail	945.06

Franks, 1.3 mi. E. and 0.5 mi. S. from, along Franks-Jerome rd., in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, T. 37 N., R. 10 W., 400 ft. NE. of dwelling of John Robinson, 30 ft. N. and 15 ft. E. from junction of dim rd., in top of stone post; standard tablet stamped "13 B 1925 Mo"	<u>Feet</u>
Reference mark, 30 ft. E. of tablet, in root on NW. side of 20-in. black-oak tree; copper nail and washer	942.733
	941.10

(Continued in Rolla quadrangle; see line 5.)

4. SOUTH ALONG STATE HIGHWAY 28 THROUGH MIDDLE OF QUADRANGLE

Dixon, 7 mi. S. of, along State Highway 28, in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, T. 37 N., R. 11 W., at top of hill, 38 ft. W. of rd. junction, in root on W. side of 14-in. post-oak tree; copper nail and washer	998.51
Dixon, 8 mi. S. of, along State Highway 28, in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, T. 37 N., R. 11 W., on top of NW. pier of bridge over Gasconade River; rivet head with chiseled cross	714.37
Gasconade River, under State Highway 28 bridge; surface of water at 2:15 p.m. March 23, 1925	684.5
Dixon, 9 mi. S. of, along State Highway 28, in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, T. 37 N., R. 11 W., 0.7 mi. SE. of bridge over Gasconade River, 800 ft. S. of highway, 540 ft. N. of dwelling of Dave Spalding, 75 ft. W. of old highway, 5 ft. W. of fence, in top of stone post; standard tablet stamped "14 B 1925 Mo"	809.906
Reference mark, 161 ft. NE. of tablet, in root on W. side of 30-in. black-oak tree; copper nail and washer	808.90
Dixon, about 10.4 mi. S. of, along State Highway 28, in NE $\frac{1}{4}$ sec. 12, T. 36 N., R. 11 W., 2.3 mi. S. of bridge over Gasconade River, 55 ft. SE. of highway at rd. NE., in root on SW. side of 12-in. black-oak tree; copper nail and washer	990.62
Dixon, about 11.4 mi. S. of, along State Highway 28, 1.3 mi. N. of junction of former State Highway 14, in SW $\frac{1}{4}$ sec. 12, T. 36 N., R. 11 W., 30 ft. N. of highway at dim rd. through timber, in root on S. side of 36-in. black-oak tree; copper nail and washer	1,008.01

5. IN MIDDLE OF WEST BORDER OF QUADRANGLE

Crocker, 6.1 mi. S. of, along Waynesville rd., in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, T. 36 N., R. 12 W., 1 mi. NW. of bridge over Gasconade River, on E. side of rd., 12 ft. NW. of NW. corner of dwelling of J. F. Jacobs, in root on W. side of 15-in. black-oak tree; copper nail and washer	828.05
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(Continued in Richland quadrangle; see line 1.)

6. EAST ALONG NORTH BORDER OF QUADRANGLE TO DIXON

(Continued from Richland quadrangle; see line 1.)

Crocker, 2.7 mi. N., thence 1.1 mi. E. from, along rd. to Hancock, in NE $\frac{1}{4}$ sec. 33, T. 38 N., R. 12 W., 100 ft. NE. of two-story dwelling, 15 ft. N. of rd., in root on S. side of 14-in. oak tree; copper nail and washer	1,042.82
Hancock, 3.6 mi. W. of, 0.2 mi. E. of center sec. 27, T. 38 N., R. 12 W., on N. side of creek, 23 ft. S. and 5 ft. E. from rd. forks, in root on S. side of 9-in. white-oak tree; copper nail and washer	916.57
Hancock, 3 mi. W. of, about 0.3 mi. W. of center sec. 26, T. 38 N., R. 12 W., 0.4 mi. E. of creek, 620 ft. W. of T-rd. N. on top of hill, on W. slope of hill, 13 ft. N. of rd., 3 ft. from fence, in top of limestone ledge; standard tablet stamped "19 B 1925 Mo"	980.326
Reference mark, 110 ft. N. 60° E. of tablet, in root on S. side of 14-in. post-oak tree; copper nail and washer	986.37
Hancock, 1.7 mi. NW. of, in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 38 N., R. 12 W., 190 ft. NE. of Brown School, 12 ft. N. of rd., 10 ft. E. of gate, in root of 18-in. black-oak tree; copper nail and washer	933.44
Hancock, 1.2 mi. NW. of, near center sec. 25, T. 38 N., R. 12 W., 20 ft. N. and 40 ft. W. from rd. forks, in root on S. side of 12-in. post-oak tree; copper nail and washer	1,035.38
Hancock, 0.7 mi. NW. of, in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 38 N., R. 12 W., 40 ft. E. of rd. corner from W.-S., on E. side of iron gate, in root on SW. side of 7-in. post-oak tree; copper nail and washer	1,041.81
Hancock, near line between secs. 30 and 31, T. 38 N., R. 11 W., 125 ft. SW. of St. Louis-San Francisco Ry. sta., 95 ft. W. of rd. crossing, 5 ft. E. of fence corner, in concrete post; standard tablet stamped "20 B 1925 Mo"	1,108.927
Reference mark, 156 ft. N. 30° E. of tablet, on top of concrete platform; chiseled square	1,113.20
Hancock, 1.2 mi. E. of, along rd. to Helm, near center SW $\frac{1}{4}$ sec. 29, T. 38 N., R. 11 W., 40 ft. N. and 20 ft. E. from rd. fork E., in root on SW. side of 20-in. black-oak tree; copper nail and washer	1,215.88
Helm, in NE $\frac{1}{4}$ sec. 32, T. 38 N., R. 11 W., on top at SE. corner of concrete porch in front of general store of M. O. Mitchell & Son; chiseled square	1,216.62
Helm, 0.7 mi. NE. of, near center of SW $\frac{1}{4}$ sec. 28, T. 38 N., R. 11 W., 47 ft. S. of St. Louis-San Francisco Ry. at crossing of private lane, 28 ft. W. of rd. corner, 3 ft. S. of fence corner, in concrete post; standard tablet stamped "21 B 1925 Mo"	1,194.665
Reference mark, 20 ft. N. 65° E. of tablet, in root on E. side of 20-in. black-oak tree; copper nail and washer	1,194.18

Dixon, 1.8 mi. W. of, 0.1 mi. E. of cor. secs. 21, 22, 27, and 28, T. 38 N., R. 11 W., 600 ft. NE. of St. Louis-San Francisco Ry. at rd. crossing, 35 ft. N. and 90 ft. W. from rd. forks, in root on S. side of 15-in. post-oak tree; copper nail and washer	Feet 1,199.55
Dixon, 0.8 mi. W. of, W. sixteenth cor. between secs. 23 and 26, T. 38 N., R. 11 W., 60 ft. N. and 180 ft. E. from T-rd. N., in root on E. side of 30-in. post-oak tree; copper nail and washer	1,196.38
Dixon, at SW. corner of park, 40 ft. N. and 75 ft. E. from street inter- section, 3 ft. inside of walk, in concrete post; standard tablet stamped "22 B 1925 Mo"	1,175.409
Reference mark, 110 ft. S. 85° W. of tablet, in root on SE. side of 12-in. maple tree; copper nail and washer	1,179.97
Dixon, in front of St. Louis-San Francisco Ry. sta.; top of rail	1,189.8

7. FROM WAYNESVILLE SOUTHWEST ALONG FORMER STATE HIGHWAY 14 TO WEST
BORDER OF QUADRANGLE

Waynesville, 1.3 mi. SW. of, along former State Highway 14, near S. six- teenth cor. sec. 26, T. 36 N., R. 12 W., 30 ft. N. of rd. junction, on top of NW. wing wall of concrete culvert; chiseled square	819.56
Waynesville, 2.2 mi. SW. of, along former State Highway 14, in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, T. 36 N., R. 12 W., 215 ft. W. of junction of rd. W., 38 ft. NW. of old rd., on hillside, in rock outcrop; standard tablet stamped "23 B 1925 Mo"	896.566
Reference mark, 116 ft. E. of tablet, on top of NW. head wall of concrete culvert; chiseled square	880.44
Waynesville, 3 mi. SW. of, along former State Highway 14, in SW $\frac{1}{4}$ sec. 34, T. 36 N., R. 12 W., 240 ft. W. of dwelling of N. C. Decker, on top of W. head wall of concrete culvert; chiseled square	922.66
Waynesville, 3.8 mi. SW. of, along former State Highway 14, in NW $\frac{1}{4}$ sec. 3, T. 35 N., R. 12 W., at top of hill, 650 ft. S. of junction of rd. NE., on top of E. head wall of concrete culvert; chiseled square	1,045.55

(Continued in Richland quadrangle; see line 2.)

8. EAST ALONG EAST HALF OF SOUTH BORDER OF QUADRANGLE, THENCE NORTH
ALONG SOUTH PART OF EAST BORDER

(Continued from Big Piney quadrangle; see line 1.)

Tribune, 1.8 mi. N. of, N. sixteenth cor. between secs. 14 and 15, T. 35 N., R. 11 W., 70 ft. NW. of church, 18 ft. S. and 18 ft. E. from T-rd. E., in concrete post; standard tablet stamped "29 B 1925 Mo"	1,107.054
Reference mark, 90 ft. N. 40° W. of tablet, in root on SE. side of 12-in. black-oak tree; copper nail and washer	1,106.21
Tribune, 1.5 mi. N. and 0.5 mi. E. from, near center sec. 14, T. 35 N., R. 11 W., 0.8 mi. SE. of Dry Creek Church, 96 ft. S. and 15 ft. E. from rd. forks, in root on NW. side of 24-in. hickory tree; copper nail and washer	1,062.37
Tribune, 1.8 mi. N. and 1 mi. E. from, in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13, T. 35 N., R. 11 W., 65 ft. SE. of crossroads, in root on NE. side of black-oak tree; copper nail and washer	1,111.64
Tribune, 1.5 mi. N. and 2 mi. E. from, near W. quarter cor. sec. 18, T. 35 N., R. 10 W., 1.6 mi. W. of ford across Piney Creek, 60 ft. W. of rd. forks, in hollow, in root on NE. side of 30-in. black-oak tree; copper nail and washer	862.28
Tribune, 1 mi. N. and 3 mi. E. from, in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 35 N., R. 10 W., 0.8 mi. SW. of ford across Piney Creek, on point of hill, 85 ft. NE. of drain, 40 ft. N. and 15 ft. above rd. at curve, in vertical face of limestone ledge; standard tablet stamped "30 B 1925 Mo"	818.533
Reference mark, 88 ft. S. 20° E. of tablet, in root on NE. side of 14-in. sycamore tree; copper nail and washer	800.24
Spring Creek, 2.2 mi. W. of, 0.1 mi. W. of center sec. 17, T. 35 N., R. 10 W., on W. bank of Piney Creek, 115 ft. S. of rd., in root on W. side of 36-in. elm tree; copper nail and washer	764.18
Spring Creek, 1 mi. W. of, near cor. secs. 8, 9, 16, and 17, T. 35 N., R. 10 W., 80 ft. S. of dwelling of J. M. Jones, 35 ft. S. of rd., in root on N. side of 14-in. locust tree; copper nail and washer	783.34
Spring Creek, 280 ft. NW. of post office, near cor. secs. 9, 10, 15, and 16, T. 35 N., R. 10 W., 50 ft. S. of rd. forks, in root on W. side of 10-in. catalpa tree; copper nail and washer	785.24
Spring Creek, 1.4 mi. N. of, in NW $\frac{1}{4}$ sec. 10, T. 35 N., R. 10 W., 170 ft. N. of dwelling of Fred Lambert, 108 ft. SE. of rd. forks, 35 ft. W. of rd., in limestone ledge; standard tablet stamped "31 B 1925 Mo"	765.419
Spring Creek, 2.2 mi. N. of, along rd. to Arlington, center sec. 3, T. 35 N., R. 10 W., 130 ft. NW. of rd. forks, 17 ft. E. of rd., in root on NW. side of 30-in. post-oak tree; copper nail and washer	800.95
Spring Creek, 3.1 mi. N. of, along rd. to Arlington, in SW $\frac{1}{4}$ sec. 34, T. 36 N., R. 10 W., at top of hill, 40 ft. SW. of rd. forks, in root on E. side of 10-in. post-oak tree; copper nail and washer	1,027.25
Spring Creek, 4 mi. N. of, along rd. to Arlington, near SW. cor. sec. 26, T. 36 N., R. 10 W., 100 ft. E. of crossroads, 15 ft. S. of rd., in root on SW. side of 24-in. post-oak tree; copper nail and washer	1,104.73

9. FROM NORTH BORDER OF QUADRANGLE SOUTHWEST ALONG STATE HIGHWAY 28 TO DIXON (by O. F. Hodgdon in 1934)

Dixon, about 2.1 mi. E. of, along State Highway 28, in SE $\frac{1}{4}$ sec. 19, T. 38 N., R. 10 W., 65 ft. SE. of highway, 15 ft. SW. of White House Ferry rd., in root on W. side of 12-in. Spanish-oak tree; copper nail and washer	<u>Feet</u> 1,176.60
Dixon, about 1.3 mi. E. of, along State Highway 28, in SW $\frac{1}{4}$ sec. 19, T. 38 N., R. 10 W., 50 ft. N. of highway, in root on SE. side of 20-in. blackjacket-oak tree; lead nail and washer	1,213.07

10. SOUTH NEAR MIDDLE OF NORTH BORDER OF QUADRANGLE (by W. L. Presley in 1934)

Dixon, 1 mi. W. of, near quarter cor. between secs. 22 and 27, T. 38 N., R. 11 W., 25 ft. S. and 165 ft. E. from junction of County Routes C and Z (probably now State Highway 133 and County Route C), 75 ft. N. of two-story dwelling, on top of concrete stepblock; chiseled square	1,198.86
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11. SOUTH ALONG STATE HIGHWAY 17 THROUGH SOUTH PART OF QUADRANGLE (by Cornish Beek in 1935)

Wildwood, about 2 mi. N. of, along State Highway 17, in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 36 N., R. 11 W., about 580 ft. N. of highway at E.-W. fence, about 55 ft. N. of N. end of small borrow pit, 30 ft. W. of highway, at curve, on top of concrete right-of-way marker; painted cross	1,096.64
Wildwood, about 1 mi. N. of, along State Highway 17, in SE $\frac{1}{4}$ sec. 33, T. 36 N., R. 11 W., 260 ft. SE. of junction of lane N., 30 ft. N. of highway, in root on S. side of 24-in. post-oak tree; copper nail and washer	1,087.73
Wildwood, 380 ft. S. of State Highway 17 at rd. E., at top of hill, 35 ft. W. of highway, 6 ft. W. of fence, in concrete post; standard tablet stamped "1459 E R A 1935"	1,122.204
Wildwood, about 1.4 mi. S. of, along State Highway 17, in NE $\frac{1}{4}$ sec. 9, T. 35 N., R. 11 W., about 500 ft. S. of highway at SE. corner of cultivated field, 30 ft. W. of highway, 5 ft. E. of fence, in root on E. side of 26-in. black-oak tree; copper nail and washer	1,127.76
Wildwood, about 2.8 mi. S. of, along State Highway 17, near N. sixteenth cor. sec. 15, T. 35 N., R. 11 W., 60 ft. E. of highway at rd. E., in root on N. side of 18-in. post-oak tree; copper nail and washer	1,102.86

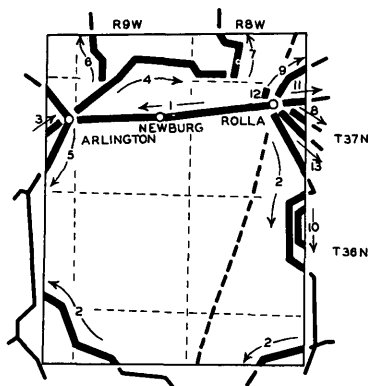
12. IN SOUTHEAST CORNER OF QUADRANGLE (by G. R. Hamlin in 1936)
(Continued from Big Piney quadrangle; see line 6.)

Spring Creek, 800 ft. W. of post office, in NE $\frac{1}{4}$ sec. 16, T. 35 N., R. 10 W., 28 ft. S. of NW. corner of cemetery, 2 ft. E. of fence W., in concrete post; standard tablet stamped "T I 377 C W A 1934"	807.692
Reference mark, 70 ft. S. 30° E. of tablet, in root on W. side of 18-in. elm tree; copper nail and washer	811.15
Spring Creek School, 100 ft. NE. of, on NW. corner of N. head wall of concrete culvert; chiseled square	767.77
Spring Creek, 1.4 mi. N. of, in NW $\frac{1}{4}$ sec. 10, T. 35 N., R. 10 W., 170 ft. N. of dwelling of Fred Lambert, 108 ft. SE. of rd. forks, 35 ft. W. of rd., in limestone ledge; standard tablet stamped "31 B 1925 Mo"	765.419
Reference mark, 140 ft. S. 60° W. of tablet, in root on S. side of 16-in. elm tree; copper nail and washer	755.82

For an additional level line along St. Louis-San Francisco Ry., refer to U.S. Coast and Geodetic Survey second-order line, Lebanon to Arlington.

ROLLA QUADRANGLE
(Latitude $37^{\circ}45' - 38^{\circ}00'$; longitude $91^{\circ}45' - 92^{\circ}00'$)

Dent and Phelps Counties



1. WEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO ARLINGTON (first-order line by E. L. McNair in 1908)
(Continued from Meramec Spring quadrangle; see line 1.)

	Feet
Rolla, in front of St. Louis-San Francisco Ry. sta.; top of rail	1,098.4
Rolla, 2.2 mi. W. of, along St. Louis-San Francisco Ry., at Sills, 30 ft. S. and 15 ft. E. from rd. crossing, 6 ft. E. of corner post of right-of-way fence; iron post stamped "975"	974.529
Newburg, 3.5 mi. E. of, along St. Louis-San Francisco Ry., 40 ft. W. of rd. crossing, 6 ft. above track, 2 ft. N. of right-of-way fence, on top of cut; iron post stamped "807"	806.770
Newburg, in front of St. Louis-San Francisco Ry. sta.; top of rail	711.5
Newburg, 10 ft. S. of SE. corner of Sullivan House, about 3 ft. from sidewalk, in line with row of maple trees; iron post stamped "712"	711.186
Newburg, 1.8 mi. W. of, along St. Louis-San Francisco Ry., about 70 ft. W. of rd. crossing, 30 ft. S. of track, 30 ft. N. of NE. corner of brick building (Alhambra Grotto Club), 2 ft. N. of wire fence; iron post stamped "701"	700.291
Arlington, in front of St. Louis-San Francisco Ry. sta.; top of rail	695.0

2. FROM ROLLA SOUTH ALONG EAST BORDER OF QUADRANGLE TO SOUTHEAST CORNER, THENCE WEST ALONG SOUTH BORDER, THENCE NORTHWEST TO WEST BORDER (by C. H. Swift in 1908-09)

Rolla, at SW. corner of post office building, 2 ft. above sidewalk, in S. side of cornerstone; standard tablet stamped "Prim Trav Sta No 10 1922 Mo 1120"	1,119.374
Rolla, 1.1 mi. SE. of, on Lecomma rd., at junction of rd. NE., in root of 16-in. black-oak tree; nail	1,096.51

(For balance in Meramec Spring quadrangle, see line 2.)

Rolla, 6.6 mi. SE. of, on Lecomma rd., 30 ft. W. of cor. secs. 1, 6, 7, and 12, T. 36 N., Rs. 7 and 8 W., in stone; aluminum tablet stamped "Trav Sta No 8 1173"	1,172.241
Rolla, 8.1 mi. SE. of, on Lecomma rd., near dim crossroad, 15 ft. W. of rd., in root of 18-in. black-oak tree; nail	1,229.90

(For balance in Meramec Spring quadrangle, see line 2.)

Lecomma, 3 mi. SW. of, at rd. fork S., in root of black-oak tree; nail	1,147.99
Lecomma, 4.3 mi. SW. of, on Edgar Springs-Lecomma rd., at junction of rd. S., in root of 18-in. post-oak tree; nail	1,118.70

(For balance in Edgar Springs quadrangle, see line 1.)

Flat, 3 mi. NW. of post office, 200 ft. SW. of barn belonging to B. M. Hartung, 200 ft. W. of rd., N. of small ravine, in sandstone ledge; aluminum tablet stamped "1092"	1,091.677
Flat, 5.8 mi. NW. of post office, 725 ft. N. of lane E. to Joiner dwelling, 40 ft. E. of rd., in ravine, 2 ft. W. of rail fence, in sandstone rock; aluminum tablet stamped "1086.4"	1,085.850
Flat, 6.4 mi. NW. of post office, at junction of Arlington-Spring Creek rd., near signboard marked "3.5 mi. to Spring Creek", 10 ft. W. of rd., in root of 20-in. black-oak tree; nail	1,109.03

(Continued in Waynesville quadrangle; see line 1.)

3. FROM WEST BORDER OF QUADRANGLE NORTHEAST TO ARLINGTON
(Continued from Waynesville quadrangle; see line 2.)

	<u>Feet</u>
Arlington, 1.4 mi. S. of, 300 ft. S. of small cemetery, 50 ft. E. of rd., in sandstone ledge; aluminum tablet stamped "779"	778.197

4. IN NORTH PART OF QUADRANGLE, FROM ARLINGTON NORTH AND EAST TO POINT 3.9 MILES NORTHWEST OF ROLLA

Arlington, 1.2 mi. NE. of, at dim rd. fork N., 15 ft. S. of rd., in root of 10-in. sycamore tree; nail	683.56
Arlington, 3.9 mi. NE. of, in SW. corner of foundation of Gottechall School, aluminum tablet stamped "973"	972.595
Arlington, 4.5 mi. NE. of, at junction of Brickhouse Ford rd., 10 ft. SE. of rd., in root of 12-in. black-oak tree; nail	1,001.82
Arlington, 6.4 mi. NE. of, 565 ft. SW. of center sec. 33, T. 38 N., R. 9 W., near top of ridge, in sandstone ledge; aluminum tablet stamped "908"	907.076
Arlington, 9.4 mi. NE. of, 2 ft. N. and 6 ft. E. from NW. corner of Oak Grove School, in sandstone ledge; aluminum tablet stamped "1006"	1,005.542
Rolla, 5.4 mi. NW. of, near rd. fork S. at mail box of R. A. Collyer	
5 ft. S. of rd., in root of 10-in. post-oak tree; nail	1,108.90
Rolla, 3.9 mi. NW. of, about 0.3 mi. W. of N. fork of Beaver Creek S. of rd., in sandstone ledge; aluminum tablet stamped "1013"	1,012.524

5. FROM WEST BORDER OF QUADRANGLE SOUTHEAST TO ARLINGTON, THENCE SOUTHWEST TO WEST BORDER (by W. R. Broadus in 1925)
(Continued from Waynesville quadrangle; see line 3.)

Jerome, 1.2 mi. NW. of, on rd. to Franks, in SW $\frac{1}{4}$ sec. 11, T. 37 N., R. 10 W., 400 ft. E. of dwelling of Charles Frewett, in fence line, in S. side of 15-in. walnut tree; copper nail and washer	681.85
Jerome, 0.7 mi. NW. of, along rd. to Franks, in NE. cor. sec. 14, T. 37 N., R. 10 W., at St. Louis-San Francisco Ry. underpass rd. crossing, on top of SW. head wall of large concrete culvert; chiseled square	690.18
Jerome, in front of St. Louis-San Francisco Ry. sta.; top of rail	695.7
Arlington, in top of concrete pedestal block on E. abutment of downstream side of bridge over Gasconade River, 7 in. from river face and 6 in. from downstream face of block; copper bolt	686.220
Arlington, 700 ft. SE. of post office, in top of N. abutment on W. side of former State Highway 14 bridge over Little Piney Creek; standard tablet stamped "15 B 1925 Mo"	712.366
Reference mark, 200 ft. N. of tablet, on top of W. guard wall of S. abutment of bridge over St. Louis-San Francisco Ry.; chiseled square	727.48
Arlington School, 0.4 mi. SW. of, along former State Highway 14, 0.1 mi. E. of cor. secs. 23, 24, 25, and 26, T. 37 N., R. 10 W., 220 ft. NE. of rd. junction, on N. side of highway, on top of N. head wall of concrete culvert; chiseled square	706.72
Arlington, 1.4 mi. S. of, 300 ft. S. of small cemetery, 50 ft. E. of rd., in sandstone ledge; aluminum tablet stamped "779"	778.197
Reference mark, 28 ft. S. 45° W. of tablet, in root on SE. side of 10-in. white-oak tree; copper nail and washer	777.64

6. NEAR NORTHWEST CORNER OF QUADRANGLE (by E. O. Brooks in 1922)

T. 37 N., R. 9 W., in NW $\frac{1}{4}$ sec. 5, 10 ft. S. of rd. corner, in root on E. side of 12-in. hickory tree; nail	990.83
T. 38 N., R. 9 W., near SW. cor. sec. 29, 5 ft. S. and 80 ft. W. from T-rd. W., 6 ft. N. of fence line, in root on N. side of 24-in. black-oak tree; nail	964.73
T. 38 N., R. 9 W., in NW $\frac{1}{4}$ sec. 30, on E. bank of Gasconade River at Boulware Ford, in root on N. side of 36-in. ash tree; copper nail and washer	651.76
T. 38 N., R. 9 W., in SW $\frac{1}{4}$ sec. 30, 120 ft. N. and 50 ft. E. from E. bank of Gasconade River at Boulware Ford, in top of N. end of old concrete bridge over slough; standard tablet stamped "E B No 1 1922"	658.366

7. FROM POINT 3.9 MILES NORTHWEST OF ROLLA NORTH TO NORTH BORDER OF QUADRANGLE (by Missouri School of Mines Vocational Training Students in 1921-23)

T. 38 N., R. 8 W., in SW $\frac{1}{4}$ sec. 33, on Bell Ford rd., 150 ft. SW. of dwelling of J. M. Jones, 30 ft. W. of dim rd. fork NW., on S. side of rd., in base of 6-in. post-oak tree; copper nail and washer	1,071.25
T. 38 N., R. 8 W., near center of NE $\frac{1}{4}$ sec. 33, on Gaines Ford rd., on W. bank of Wildcat Branch, on S. side of rd., in fence line, in root of 20-in. black-oak tree; copper nail and washer	933.33
T. 38 N., R. 8 W., in sec. 28, on Gaines Ford-Rolla rd., 175 ft. W. of dwelling of B. Cox, on top of E. head wall of concrete culvert across small drain; chiseled square	960.00
T. 38 N., R. 8 W., in NE $\frac{1}{4}$ sec. 29, on Gaines Ford-Rolla rd., at junction of new rd. around hill, on top of W. head wall of culvert; chiseled square	953.54

8. FROM ROLLA SOUTHEAST TO EAST BORDER OF QUADRANGLE

	<u>Feet</u>
T. 37 N., R. 8 W., in sec. 12, on Rolla and Salem Road, 75 ft. NW. of rd. fork E., in root of 16-in. black-oak tree; copper nail and washer	1,100.47
T. 37 N., R. 8 W., in sec. 12, on Rolla and Salem Road, 250 ft. SW. of rd. fork E., 40 ft. W. of dwelling of Wm. T. Clayton, in NW. corner of yard, in notch in base of 24-in. post-oak tree; nail	1,093.20
T. 37 N., R. 8 W., in sec. 12, on Rolla and Salem Road, 150 ft. SE. of dwelling of Harry Mitchell, on W. side of rd., on top of rock at W. end of tile culvert; painted square	1,080.07

(Continued in Meramec Spring quadrangle; see line 8.)

9. FROM ROLLA NORTHEAST TO EAST BORDER OF QUADRANGLE

T. 37 N., R. 8 W., in NW $\frac{1}{4}$ sec. 1, about 0.2 mi. NE. of barn of Charles Schuman, 300 ft. S. of top of hill, on W. side of rd. opposite private rd. E., 40 ft. S. of E.-W. fence line, 5 ft. E. of fence, in top of iron pipe; wooden plug	1,162.33
T. 38 N., R. 8 W., in SW $\frac{1}{4}$ sec. 36, 200 ft. NE. of dwelling, at S. end of corrugated iron pipe culvert, in sandstone boulder; chiseled square	1,190.02

10. SOUTH NEAR MIDDLE OF EAST BORDER OF QUADRANGLE

(Continued from Meramec Spring quadrangle; see line 8.)

Rolla, about 6 mi. SE. of, on Lecom-Rolla rd., in NW $\frac{1}{4}$ sec. 6, T. 36 N., R. 7 W., at top of hill of main divide, on E. side of rd.; top of flint rock	1,212.19
Rolla, about 6.3 mi. SE. of, on Lecom-Rolla rd., in NW $\frac{1}{4}$ sec. 6, T. 36 N., R. 7 W., on top of E. head wall of concrete culvert; chiseled square	1,167.18
Rolla, about 6.8 mi. SE. of, on Lecom-Rolla rd., in SW $\frac{1}{4}$ sec. 6, T. 36 N., R. 7 W., on top of W. head wall of concrete culvert; chiseled square	1,167.64
Rolla, about 8 mi. SE. of, on Lecom-Rolla rd., on line between secs. 13 and 18, T. 36 N., R. 7 and 8 W., 75 ft. NE. of Baldwin dwelling, on W. side of rd., 7 ft. inside of fence, in root of 20-in. elm tree; nail	1,178.73

(Continued in Meramec Spring quadrangle; see line 8.)

11. FROM ROLLA EAST TO EAST BORDER OF QUADRANGLE

Rolla, about 0.2 mi. NE. of high school, on East Tenth Street; top of S. concrete head wall of culvert over small branch	1,061.01
Rolla, about 0.5 mi. E. of high school, at top of hill, 60 ft. NW. of Kitchel dwelling, on S. side of rd., 18 in. above ground, on top of concrete hitching post; chiseled square	1,096.41
T. 37 N., R. 8 W., on line between secs. 1 and 12, on top of S. coping wall of concrete bridge over Burgher Branch; chiseled square	1,015.11

(Continued in Meramec Spring quadrangle; see line 14.)

12. IN CITY OF ROLLA (by F. W. Hurd in 1934)

U.S.C. & G.S. standard disk stamped "MSM 1934"	1,166.028
Rolla, NE. of intersection of Fourteenth and State Streets, at SW. corner of football field, outside of track, at top of bank, in concrete post; U.S.C. & G.S. standard disk stamped "MSM Azimuth 1934"	1,152.105

13. FROM ROLLA SOUTHEAST ABOUT 2 $\frac{1}{2}$ MILES

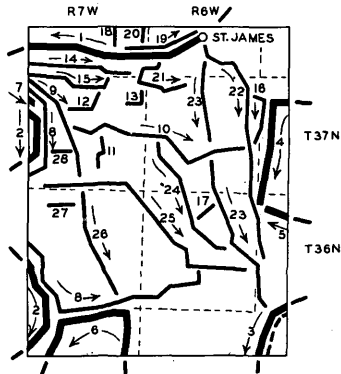
Rolla, 30 ft. W. of intersection of State Highway 72 and Rolla Street; NW. corner of N. head wall of concrete culvert	1,056.25
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(Continued in Meramec Spring quadrangle; see line 7.)

For additional level lines along U.S. Highway 63 and St. Louis-San Francisco Ry., refer to U.S. Coast and Geodetic Survey first-order line, Cabool to Osage City, and second-order line, Lebanon to Arlington.

MERAMEC SPRING QUADRANGLE
(Latitude 37°45' - 38°00'; longitude 91°30' - 91°45')

Crawford, Dent, and Phelps Counties



1. FROM ST. JAMES SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO WEST BORDER OF QUADRANGLE (first-order line by E. L. McNair in 1908)

	Feet
St. James, in front of St. Louis-San Francisco Ry. sta.; top of rail	1,089.0
St. James, corner of Meramec and Washington Streets, about 70 ft. N. of St. Louis-San Francisco Ry., 25 ft. from corner of Commercial Hotel, in angle between cross walk and sidewalk; iron post stamped "1098"	1,087.334
St. James, 2.5 mi. W. of, along St. Louis-San Francisco Ry., 35 ft. E. of rd. crossing, 35 ft. S. of track, 2 ft. from right-of-way fence post; iron post stamped "1098"	1,087.255
Dillon, in front of St. Louis-San Francisco Ry. sta.; top of rail	1,093.0
Dillon, 55 ft. W. of St. Louis-San Francisco Ry. sta., 40 ft. S. of track, 2 ft. N. of right-of-way fence; iron post stamped "1103"	1,092.081
Dillon, 1.8 mi. W. of, along St. Louis-San Francisco Ry., 65 ft. W. of rd. crossing, 10 ft. W. of telephone pole, 2 ft. N. of right-of-way fence; iron post stamped "1185"	1,184.066

(Continued in Rolla quadrangle; see line 1.)

2. FROM MIDDLE OF NORTH HALF OF WEST BORDER OF QUADRANGLE SOUTH TO SOUTHWEST CORNER (by C. H. Swift in 1908-09)
(Continued from Rolla quadrangle; see line 2.)

Rolla, 3.1 mi. SE. of, on Lecoma rd., 50 ft. E. of dwelling of August Willy, 15 ft. W. of rd.; iron post stamped "1073"	1,072.790
(For balance in Rolla quadrangle, see line 2.)	

Rolla, 9 mi. SE. of, in $\frac{1}{2}$ sec. 30, T. 36 N., R. 7 W., 400 ft. W. of Lecoma rd., 800 ft. SW. of dwelling of William Carson, 20 ft. E. of rd. fork W., in sandstone ledge; aluminum tablet stamped "1170"	1,169.700
Lecoma, 1.4 mi. N. of, on Lecoma rd., at camp, in root of 14-in. post-oak tree; nail	1,141.22
Lecoma, in SE. corner of flour mill; aluminum tablet stamped "1197"	1,196.144
Lecoma, 0.3 mi. S. of, along Edgar Springs-Lecoma rd., at rd. fork S., in line with ridge rd. SW., in root of 12-in. post-oak tree; nail	1,204.09
Lecoma, 1 mi. SW. of, along Edgar Springs-Lecoma rd., near dim crossroad, 10 ft. S. of rd., in root of 12-in. tree; nail	1,176.09
Lecoma, 2 mi. SW. of, along Edgar Springs-Lecoma rd., S. of junction of rd. N., E. of dwelling of S. L. Amerson, in 24- by 8- by 5-in. sandstone; aluminum tablet stamped "Prim Trav Sta No 7 1908 Mo 1173" (probably disturbed)	1,172.511

(Continued in Rolla quadrangle; see line 2.)

3. IN SOUTHEAST CORNER OF QUADRANGLE (by E. C. Bibbee in 1914)
(Continued from Steelville quadrangle; see line 1.)

Bangert, at St. Louis-San Francisco Ry. sta., 120 ft. E. of track, 25 ft. NE. of dwelling of A. J. Brown, 1 ft. N. of yard fence, in top of sandstone rock 3 in. below surface of ground; standard tablet stamped "1229 Mo"	1,229.091
Bangert, in front of St. Louis-San Francisco Ry. sta.; top of rail	1,225.0

Eangert, 1 mi. S. of sta., along St. Louis-San Francisco Ry., 300 ft. S. of milepost 118, 20 ft. W. of track; top of large flint rock Feet
1,233.14

(Continued in Salem quadrangle; see line 1.)

4. FROM EAST BORDER OF QUADRANGLE WEST TO MERAMEC SPRING, THENCE SOUTH TO VILEAN (by F. L. Whaley in 1932)
(Continued from Steelville quadrangle; see line 5.)

Meramec Spring, 1.9 mi. E. of, on S. side of Steelville Road, 40 ft. SW. of rd. forks, at curve in rd. to SW., in root of 10-in. elm tree; copper nail and washer 793.29

Meramec Spring, 1.2 mi. E. of, along Steelville Road, in sec. 6, T. 37 N., R. 5 W., 0.2 mi. W. of ford across Meramec River, 100 ft. N. of rd., at small drain, in root of 14-in. hackberry tree; copper nail and washer 804.48

Meramec Spring, about 0.2 mi. E. of, along Steelville Road, 190 ft. W. of junction of rd. S., 580 ft. E. of U.S.G.S. gaging sta., on S. side of rd., in root of black-oak tree; copper nail and washer 791.38

Meramec Spring, 1.2 mi. SE. of, on Asher Hollow rd., near E. quarter cor. sec. 12, T. 37 N., R. 6 W., 700 ft. S. of junction of dim rd. up hill at drain crossing, 20 ft. SE. of rd. corner from E.-S., in root of 10-in. elm tree; copper nail and washer 830.14

Meramec Spring, 2 mi. S. of, on Asher Hollow rd., near cor. secs. 7, 12, 13, and 18, T. 37 N., Rs. 5 and 6 W., 40 ft. SW. of junction of Mound Ridge rd., 2 ft. E. of fence, in concrete post; standard tablet stamped "No 2 W 1932 Mo" 852.649

Reference mark 1, 90 ft. S. of tablet, in root of white-oak tree (largest of three); copper nail and washer 853.98

Reference mark 2, 90 ft. S. of tablet, in root of 16-in. thorn-loooust tree; copper nail and washer 854.15

Meramec Spring, 3 mi. S. of, on Asher Hollow rd., in SE $\frac{1}{4}$ sec. 13, T. 37 N., R. 6 W., 60 ft. S. of Mash dwelling, 10 ft. E. of rd., in root on W. side of large, forked elm tree; copper nail and washer 886.73

Meramec Spring, 4 mi. S. of, on Asher Hollow rd., near center of SW $\frac{1}{4}$ sec. 24, T. 37 N., R. 6 W., junction of rd. up hill to Asher Hollow School, on N. side of rd., on top of sandstone ledge; chiseled square 920.18

Meramec Spring, 4.5 mi. S. of, 2.5 mi. NE. of Vilean, on Asher Hollow rd., in NW $\frac{1}{4}$ sec. 25, T. 37 N., R. 6 W., 40 ft. SE. of rd. junction, 2 ft. N. of fence, in concrete post; standard tablet stamped "No 3 W 1932 Mo" 951.717

Reference mark, 23 ft. N. of tablet, in root on W. side of 26-in. black-oak tree; copper nail and washer 950.93

Vilean, 0.8 mi. N. of, on E. side of Asher Hollow rd., in SE $\frac{1}{4}$ sec. 26, T. 37 N., R. 6 W., about 200 ft. N. of dwelling of C. W. Marcellus, in root on W. side of large elm tree; copper nail and washer 1,007.05

5. FROM EAST BORDER OF QUADRANGLE WEST TO VILEAN
(Continued from Steelville quadrangle; see line 4.)

Benton Creek School, 1 mi. W. of, in SE $\frac{1}{4}$ sec. 6, T. 36 N., R. 5 W., at top of ridge, on N. side of rd., in root of 20-in. black-oak tree; copper nail and washer 991.92

Vilean, 1.6 mi. E. of, near N. sixteenth cor. sec. 1, T. 36 N., R. 6 W., 2 mi. W. of Benton Creek School, near top of ridge at E. edge of timber, on S. side of rd., on top of sandstone ledge; chiseled square 1,119.94

Vilean, 0.9 mi. E. of, near cor. secs. 1, 2, 35, and 36, Tps. 36 and 37 N., R. 6 W., in saddle of ridge, 60 ft. W. of gate at private rd., on S. side of rd., 5 ft. S. of fence, in root on N. side of 6-in. black-oak tree; copper nail and washer 1,162.71

Vilean, 0.8 mi. S. of St. Louis-San Francisco Ry. sta. (now abandoned), on Salem Road, in SW $\frac{1}{4}$ sec. 35, T. 37 N., R. 6 W., 60 ft. E. of track, SE. of T-rd. E., in foot of 14-in. white-oak tree; nail and washer 1,105.38

Vilean, 100 ft. SE. of St. Louis-San Francisco Ry. sta. (now abandoned), 500 ft. SE. of store of Lakin & Smith, 80 ft. SE. of rd. crossing, 50 ft. E. of track, 20 ft. W. of Salem Road; iron post 1,096.929

Reference mark, 25 ft. N. of post, on top of highway right-of-way post; chiseled square 1,096.04

6. FROM SOUTH BORDER OF QUADRANGLE NORTHWEST ALONG STATE HIGHWAY 72 TO LAKE SPRING, THENCE WEST TO LECOMA, THENCE SOUTH TO SOUTH BORDER OF QUADRANGLE (by Cornish Beck in 1935)
(Continued from Salem quadrangle; see line 4.)

Salem, 11.2 mi. NW. of, along State Highway 72, in W $\frac{1}{2}$ sec. 13, T. 35 N., R. 7 W., about 700 ft. NW. of store, in root on E. side of 28-in. black-oak tree; copper nail and washer 1,184.23

Salem, 12.4 mi. NW. of, along State Highway 72, in sec. 11, T. 35 N., R. 7 W., 140 ft. S. and 60 ft. E. from highway at E.-W. crossroad, in root on E. side of 14-in. white-oak tree; copper nail and washer 1,107.96

Lake Spring, 0.6 mi. SE. of post office, along State Highway 72, 100 ft. N. of highway at E.-W. crossroad, in root on W. side of 36-in. post-oak tree; copper nail and washer 1,073.06

Lake Spring, 30 ft. S. and 70 ft. E. from door of post office, on concrete base of gasoline pump; chiseled square 992.37

Lake Spring, in SE $\frac{1}{4}$ sec. 3, T. 35 N., R. 7 W., on SE. corner of walk to school; chiseled square 995.57

Lake Spring, in SE. corner of bottom concrete step of South Methodist Church; standard tablet stamped "Prim Trav Sta No 11 J B L 1920 Mo 1058" 1,057.185

T. 35 N., R. 7 W., 20 ft. W. of cor. secs. 3, 4, 9, and 10, 15 ft. S. of Lake Spring-Lecoma rd., in root on N. side of twin 20-in. hickory tree; copper nail and washer	<u>Feet</u> 1,150.57
Lecoma, 1 mi. E. of, on Lake Spring-Lecoma rd., 30 ft. S. and 10 ft. W. from cor. secs. 4, 5, 8, and 9, T. 35 N., R. 7 W., 35 ft. S. of rd., in root on SW. side of 12-in. post-oak tree; copper nail and washer	1,141.61
Lecoma, near S. sixteenth cor. between secs. 5 and 6, T. 35 N., R. 7 W., on top of NW. corner of concrete step to Lecoma Community Church; chiseled square	1,192.56
T. 35 N., R. 7 W., 10 ft. S. and 20 ft. E. from cor. secs. 7, 8, 17, and 18, in root on N. side of 14-in. post-oak tree; copper nail and washer	1,132.15
T. 35 N., R. 7 W., near center sec. 18, 90 ft. N. and 180 ft. E. from dwelling on property of V. L. King, 15 ft. W. of Edgar Springs-Lecoma rd., in concrete post; standard tablet stamped "D 193"	1,177.873

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

7. NEAR CENTER OF WEST BORDER OF QUADRANGLE (by F. W. Hurd in 1934)
(Continued from Rolla quadrangle; see line 13.)

Rolla, 3 mi. SE. of, on Lecoma rd., 682 ft. N. 19° 30' E. of SW. cor. sec. 18, T. 37 N., R. 7 W., 386 ft. S. 17° 30' W. of dwelling of Ben Ponzer, in concrete post; U.S.C. & G.S. and State Survey standard disk	1,067.817
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8. SOUTH ALONG WEST BORDER OF QUADRANGLE TO LECOMA, THENCE EAST TO POINT ABOUT 1.5 MILES WEST OF SEATON (fourth-order leveling by Missouri School of Mines Vocational Training Students in 1921-23)

(Continued from Rolla quadrangle; see line 8.)

Rolla, about 2 mi. SE. of, near NW. cor. sec. 18, T. 37 N., R. 7 W., SW. of junction of rd. S. to Lecoma, in root of 14-in. post-oak tree; copper nail and washer	1,079.26
Rolla, about 2.4 mi. SE. of, on Lecoma rd., near NW. cor. SW $\frac{1}{4}$ sec. 18, T. 37 N., R. 7 W., on top of W. coping wall of concrete bridge over Love Branch; chiseled square	985.83
Rolla, about 3.4 mi. SE. of, on Lecoma rd., 1.5 mi. S. of junction of Rolla and Salem Road, near W. quarter cor. sec. 19, T. 37 N., R. 7 W., on top of W. head wall of concrete culvert; chiseled square	1,040.64
Rolla, about 4.5 mi. SE. of, on Lecoma rd., in SW $\frac{1}{4}$ sec. 30, T. 37 N., R. 7 W., on top of E. head wall of concrete culvert; chiseled square	1,031.60
Rolla, about 5.3 mi. SE. of, on Lecoma rd., near NW. cor. of SW $\frac{1}{4}$ sec. 31, T. 37 N., R. 7 W., near crossroad, 70 ft. NE. of dwelling of John Reed, on top of E. head wall of concrete culvert; chiseled square	1,122.69

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

Rolla, 8.5 mi. SE. of, on Lecoma rd., in SW $\frac{1}{4}$ sec. 19, T. 36 N., R. 7 W., E. of junction of rd. E., in base of 24-in. post-oak tree; copper nail and washer	1,210.12
Rolla, 9 mi. SE. of, in W $\frac{1}{2}$ sec. 30, T. 36 N., R. 7 W., 400 ft. W. of Lecoma rd., 800 ft. SW. of dwelling of William Carson, 20 ft. E. of rd. fork W., in sandstone ledge; aluminum tablet stamped "1170"	1,169.700
Reference mark, 600 ft. SE. of tablet, in root of 20-in. white-oak tree; copper nail and washer	1,189.81
T. 36 N., R. 7 W., in NW $\frac{1}{4}$ sec. 31, on Lecoma rd., SW. of junction of rd. W. to Edgar Springs, in root of 8-in. black-oak tree; copper nail and washer	1,196.16
T. 36 N., R. 7 W., in SW $\frac{1}{4}$ sec. 31, on Lecoma rd., 150 ft. W. of dwelling of J. F. Finn, near old camp ground, on top of W. head wall of concrete culvert; chiseled triangle	1,145.48
T. 35 N., R. 7 W., near quarter cor. between secs. 5 and 8, on Lake Spring-Lecoma rd., 100 ft. N. of Flora dwelling, S. of rd., 8 ft. in-side yard fence, in base of 24-in. post-oak tree; copper nail and washer	1,215.68
T. 35 N., R. 7 W., near quarter cor. between secs. 4 and 9, on N. side of Lake Spring-Lecoma rd., in root of 10-in. black-jack-oak tree; copper nail and washer	1,129.78
T. 35 N., R. 7 W., near cor. secs. 3, 4, 9, and 10, on Lake Spring-Lecoma rd., 100 ft. N. of dwelling of Dare Williams, on S. side of rd., in root of twin black-oak tree; copper nail and washer	1,155.93
T. 35 N., R. 7 W., in SW $\frac{1}{4}$ sec. 2, 600 ft. ... of Hyers Cemetery, on S. side of Lake Spring-Seaton rd., in root of 18-in. black-jack-oak tree; copper nail and washer	1,065.93
T. 35 N., R. 7 W., in NE $\frac{1}{4}$ sec. 11, on Lake Spring-Seaton rd., 300 ft. NW. of farmhouse, on S. side of rd., in root of twin white-oak tree; nail	1,021.44
T. 35 N., R. 7 W., in SW $\frac{1}{4}$ sec. 1, on Lake Spring-Seaton rd., 500 ft. N. of dwelling of Lute Watkins, 400 ft. S. of dwelling of William Watkins, on N. side of rd. at curve, in root of 24-in. black-oak tree; copper nail and washer	1,040.52
T. 35 N., R. 7 W., in SE $\frac{1}{4}$ sec. 1, on Lake Spring-Seaton rd., 300 ft. E. of rock quarry, 100 ft. NW. of Bowes-Coppage ford across Big Dry Fork, at NE. corner of McClure farm, on S. side of rd., in root of 24-in. wild cherry tree; copper nail and washer	985.05
T. 35 N., R. 6 W., in NE $\frac{1}{4}$ sec. 6, on Lake Spring-Seaton rd., 300 ft. S. of Dent-Phelps county line, 50 ft. W. of shack in field, on E. side of dim rd., in root of 10-in. hickory tree; copper nail and washer	1,135.42
T. 36 N., R. 6 W., in SE $\frac{1}{4}$ sec. 31, on Lake Spring-Seaton rd., 50 ft. NW. of dwelling of Francis M. Taulbee, on S. side of rd., in root of 30-in. white-oak tree; copper nail and washer	1,168.34

9. FROM MIDDLE OF NORTH HALF OF WEST BORDER OF QUADRANGLE SOUTHEAST TO ELK PRAIRIE

T. 37 N., R. 7 W., in NW $\frac{1}{4}$ sec. 18, on Rolla and Salem Road, 50 ft. W. of Love Branch, 50 ft. N. of rd., 6 ft. E. of large sycamore tree, flat limestone rock; (mark not described)	<u>Feet</u> 961.65
T. 37 N., R. 7 W., in NE $\frac{1}{4}$ sec. 19, 200 ft. S. of Rolla and Salem Road at rd. E. to nursery, on top of W. head wall of culvert; chiseled square	975.83
T. 37 N., R. 7 W., in SW $\frac{1}{4}$ sec. 20, on Rolla and Salem Road, NE. of junction of Clinton Mill rd., in root of twin white-oak tree; copper nail and washer	1,038.32
T. 37 N., R. 7 W., in SW $\frac{1}{4}$ sec. 20, on Rolla and Salem Road, SE. of junction of Clinton Mill rd.; iron post stamped "1044"	1,043.602
Tps. 36 and 37 N., R. 7 W., on line between secs. 4 and 33, NE. of Rolla and Salem Road at rd. E. to Elk Prairie Lutheran Church, in root of 8-in. white-oak tree; copper nail and washer	1,122.57

10. EAST THROUGH NORTH HALF OF QUADRANGLE

T. 37 N., R. 7 W., in SE $\frac{1}{4}$ sec. 21, E. of rd. forks, 80 ft. W. of dwelling of Lew Dean, in yard; iron post stamped "1053"	1,052.382
T. 37 N., R. 7 W., in NW $\frac{1}{4}$ sec. 27, 150 ft. SE. of Wilkins dwelling, 110 ft. E. of culvert, 20 ft. W. of Clinton Mill-Rolla rd. at rd. S., on N. side of rd., in sandstone ledge; standard tablet stamped "Frim Trav Sta No 14 J B L 1920 Mo 912"	911.819
T. 37 N., R. 7 W., in NW. cor. of NE $\frac{1}{4}$ sec. 27, on Clinton Mill-Rolla rd., 150 ft. E. of Pryor Ford, 150 ft. S. of steel bridge over Dry Fork, on S. side of rd. to ford, in base of 24-in. maple tree; copper nail and washer	888.32
T. 37 N., R. 7 W., in NW $\frac{1}{4}$ sec. 25, on Clinton Mill-Rolla rd., 75 ft. NE. of dwelling of Fritz Wagoner, in root of 20-in. post-oak tree; copper nail and washer	1,068.80
T. 37 N., R. 6 W., in SE $\frac{1}{4}$ sec. 19, in SW. corner of junction of Clinton Mill-Rolla and Clinton Mill-Salem rds.; iron post stamped "Prim Trav Sta No 13 J B L 1920 Mo 1055"	1,054.624
T. 37 N., R. 6 W., near NW. cor. sec. 21, on Meramec Spring-Rolla rd., 350 ft. NE. of dwelling of W. S. Burtorff, 100 ft. E. of ford across Norman Creek, in base of 10-in. black-locust tree; copper nail and washer	846.59
T. 37 N., R. 6 W., on line between secs. 16 and 21, on Meramec Spring-Rolla rd., at rd. corner W.-S., on top of N. head wall of concrete culvert; chiseled square	842.07
T. 37 N., R. 6 W., in NE $\frac{1}{4}$ sec. 21, on Meramec Spring-Rolla rd., 200 ft. W. of Wolfe School, 50 ft. NW. of junction of rd. S., in base of leaning, 10-in. black-oak tree; copper nail and washer	906.00

11. NEAR CENTER OF WEST HALF OF QUADRANGLE

T. 36 N., R. 7 W., N. sixteenth cor. between secs. 3 and 4, at T-rd. E. to farm of Gottlieb Haas, on top of sec. cornerstone; chiseled cross	1,036.15
T. 37 N., R. 7 W., in SE $\frac{1}{4}$ sec. 33, NW. of T-rd. N., on top of sandstone boulder; chiseled square	1,026.70
T. 37 N., R. 7 W., in SW $\frac{1}{4}$ sec. 34, SE. of rd. corner, in base of 20-in. post-oak tree; copper nail and washer	1,075.06
T. 37 N., R. 7 W., cor. secs. 27, 28, 33, and 34, 700 ft. E. of jog in rd., N. of T-rd. S. to Elk Prairie Church, at mail boxes of W. A. Stedman and J. V. Hillmes, on top of sandstone boulder; chiseled square	1,018.95

12. IN NORTHWEST QUARTER OF QUADRANGLE

T. 37 N., R. 7 W., near NE. cor. sec. 20, 650 ft. W. of Collins dwelling, 30 ft. S. of rd., on bell of 18-in. tile pipe set in ground over spring; chiseled square	1,035.30
T. 37 N., R. 7 W., quarter cor. between secs. 16 and 21, at SW. corner of apple nursery, 75 ft. E. of T-rd. S., on bank on N. side of rd., in root of 16-in. pin-oak tree; nail	1,019.16
T. 37 N., R. 7 W., E. sixteenth cor. sec. 16, 60 ft. NW. of Belview Church, SE. of T-rd. E. to junction of Dry Fork and Little Dry Fork, on top of sandstone boulder; chiseled square	1,033.57

13. IN NORTHWEST QUARTER OF QUADRANGLE

T. 37 N., R. 7 W., in SE $\frac{1}{4}$ sec. 11, near dwelling of Paul Hoff, at rd. corner N.-E., in root of large maple tree; copper nail and washer	1,020.56
T. 37 N., R. 7 W., in SW $\frac{1}{4}$ sec. 13, near dwelling of E. Sue, in rd., in root of 48-in. oak tree; copper nail and washer	1,007.45
T. 37 N., R. 7 W., in SE $\frac{1}{4}$ sec. 13, 200 ft. N. of Dean Ford, on E. side of rd., in base of 14-in. sycamore tree; copper nail and washer	863.81

14. EAST THROUGH NORTHWEST QUARTER OF QUADRANGLE

(Continued from Rolla quadrangle; see line 11.)

Top of Mile Hill, 200 ft. W. of T-rd. N.; center line of rd.	1,093.0
T. 37 N., R. 7 and 8 W., near cor. secs. 1, 6, 7, and 12, S. of T-rd. N. to St. James rd., 240 ft. N. of dwelling of Walter Dunivin, 10 ft. N. of W. end of gate to yard; top of sandstone boulder	1,075.85

T. 37 N., R. 7 W., about 0.1 mi. W. of quarter cor. between secs. 6 and 7, 800 ft. W. of Covenant School, 150 ft. E. of crossroads, on top of S. head wall of concrete culvert; chiseled square	Feet 1,065.16
T. 37 N., R. 7 W., cor. secs. 5, 6, 7, and 8, at junction of private rd. N., on top of N. head wall of concrete culvert; chiseled square	1,027.71
T. 37 N., R. 7 W., cor. secs. 4, 5, 8, and 9, 75 ft. E. of T-rd. N. to Dillon; top of N. head wall of concrete culvert	976.87
T. 37 N., R. 7 W., near N. sixteenth cor. sec. 10, SW. of T-rd. to Elliotts Lake on Little Dry Fork, in sandstone boulder; standard tablet stamped "949"	949.113
Reference mark, on top of same boulder; chiseled square	949.44

15. IN NORTHWEST QUARTER OF QUADRANGLE

T. 37 N., R. 7 W., near W. quarter cor. sec. 7, on top of N. coping wall of concrete bridge over Burgher Branch; chiseled square	994.18
T. 37 N., R. 7 W., in SW $\frac{1}{4}$ sec. 7, 500 ft. E. of dim T-rd. N. to Mile Hill rd., 250 ft. W. of Parkinson dwelling, on N. side of rd., on top of N. head wall of concrete culvert; chiseled square	1,041.02
T. 37 N., R. 7 W., in SW $\frac{1}{4}$ sec. 7, at dim T-rd. N. to Mile Hill rd., on S. side of rd., 2 ft. inside of fence, in root of 10-in. post-oak tree; copper nail and washer	1,041.55
T. 37 N., R. 7 W., quarter cor. between secs. 7 and 8, 400 ft. W. of rd. corner W.-SE., on top of S. head wall of concrete culvert; chiseled square	1,033.98
T. 37 N., R. 7 W., in SW $\frac{1}{4}$ sec. 8, 200 ft. W. of Cleino School, on rd. S. to dwelling of E. Bullard, on top of sandstone boulder cemented on W. end of concrete culvert; chiseled square	996.93
T. 37 N., R. 7 W., on line between secs. 8 and 17, about 0.2 mi. E. of Little Dry Fork, on top of S. coping wall of concrete arch bridge over drain; chiseled square	936.94
T. 37 N., R. 7 W., near center sec. 10, 600 ft. SW. of Elliotts Lake Ford, 200 ft. S. of Little Dry Fork, at dim wood rd. along creek, on W. side of rd. at foot of hill, in fence corner; top of small rock embedded in ground	891.80

16. IN NORTHEAST QUARTER OF QUADRANGLE

T. 37 N., R. 6 W., in NE $\frac{1}{4}$ sec. 3, N. of junction of Salem and Steelville Roads, in base of leaning, 10-in. willow tree; copper nail and washer	862.51
T. 37 N., R. 6 W., in NW $\frac{1}{4}$ sec. 2, NW. of Steelville Road at dim crossroad to Meramec Spring School, in root of 12-in. post-oak tree; copper nail and washer	1,051.34
Meramec Spring, 500 ft. W. of, 300 ft. W. of bridge over Spring Branch, 50 ft. N. of Steelville Road (150 ft. N. by levelman), in limestone ledge; standard tablet stamped "Prim Trav Sta No 4 J B L 1920 Mo 794"	793.635
T. 37 N., R. 6 W., in sec. 1, 60 ft. SE. of ford across Meramec Spring Branch, in old foundation of mill; standard tablet (set by water-resources branch of U.S. Geol. Survey)	780.172
Meramec Spring Branch, at U.S.G.S. gaging sta.; surface of water at 2:30 p.m. October 6, 1922	775.3
Zero of U.S.G.S. gage	774.12
T. 37 N., R. 6 W., in SE $\frac{1}{4}$ sec. 1, 200 ft. S. of junction of Steelville Road and Asher Hollow rd., on W. side of rd., in root of 26-in. red-oak tree; copper nail and washer	790.46
T. 37 N., R. 6 W., in NE $\frac{1}{4}$ sec. 11, 30 ft. N. of mail box of J. H. Brown, near offset in fence, at end of gate, in base of 24-in. hickory tree; copper nail and washer	850.52
T. 37 N., R. 6 W., in NW $\frac{1}{4}$ sec. 14, SW. of dim T-rd. E., near mail box, in root of 14-in. black-oak tree; copper nail and washer	1,032.42
T. 37 N., R. 6 W., in NE. cor. of SE $\frac{1}{4}$ sec. 15, 225 ft. S. of Salem Road at dim rd. NE. to Meramec Spring, in angle formed by Salem Road and rd. SW., in base of 16-in. white-oak tree; copper nail and washer	1,058.58

17. NEAR CENTER OF QUADRANGLE

De Camp, 50 ft. E. of post office, in store of Charles A. Greig, 50 ft. W. of Adams dwelling, on E. side of rd.; iron post	1,022.663
Reference mark, 100 ft. W. of store, on W. side of rd., in root of 16-in. blackjack-oak tree; copper nail and washer	1,022.99
T. 37 N., R. 6 W., in SW $\frac{1}{4}$ sec. 32, on dim De Camp-Kelley Bank rd., on E. bank of Norman Creek, 150 ft. S. of ford, in base of forked slippery-elm tree; copper nail and washer	895.78
T. 36 N., R. 6 W., in NW $\frac{1}{4}$ sec. 6, on Kelley Bank-Rolla rd., W. of cross rd. to De Camp, in base of 12-in. blackjack-oak tree; copper nail and washer	1,075.70

18. FROM POINT 0.6 MILE EAST OF DILLON NORTH TO NORTH BORDER OF QUADRANGLE

T. 38 N., R. 7 W., near quarter cor. between secs. 27 and 28, 2 ft. from SW. corner of Dillon School, on concrete foundation; chiseled square	1,040.91
T. 38 N., R. 7 W., near SW. cor. sec. 22, at creek, on E. side of rd., on top of sandstone boulder; chiseled square	991.86

19. IN NORTHWEST QUARTER OF QUADRANGLE, NORTHEAST ALONG OZARK HIGHWAY TO ST. JAMES

T. 38 N., R. 7 W., in NE $\frac{1}{4}$ sec. 34, on Ozark Highway, on top of S. head wall of concrete culvert; chiseled square	Feet 1,056.57
T. 38 N., R. 7 W., in SE $\frac{1}{4}$ sec. 26, on Ozark Highway, 165 ft. E. of dwelling of Lewis Bauer, NW. of highway at crossroad, in top of W. head wall of concrete culvert; aluminum tablet stamped "1031"	1,030.882
T. 38 N., R. 7 W., in NE $\frac{1}{4}$ sec. 25, on Ozark Highway, 300 ft. W. of mail box of F. W. Cooper, at junction of rd. N., on top of E. end of concrete culvert; chiseled square	1,122.92
Ozark Highway at rd. to De Camp, in center line of rd.	1,107.6

20. FROM POINT 0.5 MILE SOUTH OF FOREST GROVE SCHOOL, NORTH TO NORTH BORDER OF QUADRANGLE

T. 38 N., R. 7 W., in NW $\frac{1}{4}$ sec. 25, at NW. corner of Forest Grove School, on floor of vestibule; chiseled square	1,027.67
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21. IN NORTH HALF OF QUADRANGLE FROM POINT 2.5 MILES WEST OF ST. JAMES SOUTH, THENCE EAST TO ZION HILL CHURCH

T. 38 N., R. 7 W., near quarter cor. between secs. 35 and 36, at T-rd. E., on top of E. end of culvert; chiseled square	1,086.20
T. 37 N., R. 7 W., near N. sixteenth cor. sec. 2, near rd. corner NE.-S., on SE. head wall of culvert; chiseled square	1,074.07
T. 37 N., R. 7 W., in NW $\frac{1}{4}$ sec. 11, in triangle formed by rd. forks, in base of 24-in. pin-oak tree; copper nail and washer	948.45
T. 37 N., R. 7 W., in NW $\frac{1}{4}$ sec. 12, 60 ft. E. of drain to S., on S. side of rd., in root of 24-in. oak tree; copper nail and washer	977.26
T. 37 N., R. 7 W., in NE $\frac{1}{4}$ sec. 12, 20 ft. N. of rd., in root of 12-in. white-oak tree; copper nail and washer	1,038.23
T. 37 N., R. 6 W., in NE $\frac{1}{4}$ sec. 7, 200 ft. W. of Zion Hill Church, SE. (? SW.) of crossroads, in root of 6-in. post-oak tree; nail	1,015.33

22. FROM ST. JAMES SOUTHEAST AND SOUTH THROUGH EAST HALF OF QUADRANGLE TO WINKLER

T. 38 N., R. 6 W., in NW $\frac{1}{4}$ sec. 29, 0.2 mi. S. of St. James Cemetery, SW. of Salem Road at rd. W. near dwelling of Buck Hale, in root of 10-in. post-oak tree; copper nail and washer	1,111.58
T. 38 N., R. 6 W., near S. sixteenth cor. sec. 29, 100 ft. SW. of SW. corner of Salem Road at rd. S., opposite dwelling of James Cusley, in root of 8-in. post-oak tree; copper nail and washer	1,039.25
T. 38 N., R. 6 W., in SW $\frac{1}{4}$ sec. 28, on N. side of Salem Road at dim rd. E., 250 ft. W. of dwelling, in fence line, in root of 15-in. white-oak tree; nail	1,005.73
T. 38 N., R. 6 W., near SW. cor. sec. 34, on Salem Road, in top of E. end of N. concrete abutment of steel bridge over Dry Fork; standard tablet stamped "810"	809.529
T. 37 N., R. 6 W., in NE $\frac{1}{4}$ sec. 10, 30 ft. W. of Salem Road, in base of 12-in. post-oak tree; copper nail and washer	1,053.06
T. 37 N., R. 6 W., in SE $\frac{1}{4}$ sec. 10, 50 ft. N. of Salem Road at rd. W. to Zion Hill Church, on E. side of rd., in base of 15-in. black-oak tree; copper nail and washer	1,031.61
T. 37 N., R. 6 W., in NE. cor. sec. 15, 225 ft. S. of Salem Road at rd. NE. to Meramec Spring, in angle formed by Salem Road and rd. SW. to Wolfe School; iron post	1,059.299

(Remainder of line contains an error of 1 ft.)

T. 37 N., R. 6 W., in NW $\frac{1}{4}$ sec. 26, in saddle of ridge, on E. side of Salem Road, at sag, in root of 20-in. white-oak tree; copper nail and washer	1,049.48
T. 37 N., R. 6 W., in NW $\frac{1}{4}$ sec. 26, on N. side of hill, on W. side of Salem Road, in base of 30-in. black-oak tree; copper nail and washer	1,103.71
T. 37 N., R. 6 W., in SW $\frac{1}{4}$ sec. 26, on W. side of Salem Road, in base of 30-in. white-oak tree; copper nail and washer	1,092.27
T. 37 N., R. 6 W., in NE $\frac{1}{4}$ sec. 34, 50 ft. N. of Winkler Branch of St. Louis-San Francisco Ry. (now abandoned), 30 ft. N. of Salem Road at rd. W. to De Camp, on W. side of rd. at curve to E., in base of leaning, 24-in. post-oak tree; copper nail and washer	1,096.80
T. 37 N., R. 6 W., in SW $\frac{1}{4}$ sec. 35, NW. of Salem Road at Asher Hollow-Meramec Spring rd., in fence corner, in base of 30-in. red-oak tree; copper nail and washer	1,085.58
Tps. 36 and 37 N., R. 6 W., on line between secs. 2 and 35, 60 ft. E. of Winkler Branch of St. Louis-San Francisco Ry. (now abandoned), NE. of Salem Road at rd. E. on township line, in root of 14-in. white-oak tree; copper nail and washer	1,105.3f
T. 36 N., R. 6 W., near center sec. 2, at top of hill, on E. side of Salem Road, 75 ft. W. of dwelling of Frank Miller, at gate to barnyard, in root of 16-in. black-jack-oak tree; copper nail and washer	1,114.95
T. 36 N., R. 6 W., near center sec. 11, 100 ft. N. of Salem Road at rd. E., 80 ft. SW. of Elchorst School, 50 ft. E. of rd., in root of 14-in. post-oak tree; copper nail and washer	1,115.74
Winkler, 50 ft. SE. of post office, in SW $\frac{1}{4}$ sec. 14, T. 36 N., R. 6 W., 30 ft. E. of St. Louis-San Francisco Ry. sta. (now abandoned), 15 ft. E. of track, 15 ft. W. of Salem Road; iron post stamped "Prim Trav Sta No ... Mo 1922"	1,178.313

23. FROM POINT ABOUT 1 MILE SOUTH OF ST. JAMES SOUTH THROUGH CENTRAL PART OF QUADRANGLE TO CLINTON, THENCE SOUTHEAST ALONG WINKLER BRANCH OF ST. LOUIS-SAN FRANCISCO RAILWAY (now abandoned) TO BANGERT

	Feet
T. 38 N., R. 6 W., in NE $\frac{1}{4}$ sec. 31, on W. side of old Salem-St. James rd., 200 ft. S. of dwelling of Helen P. Bratcher, in base of 12-in. post-oak tree; nail and washer	982.49
T. 38 N., R. 6 W., in NE $\frac{1}{4}$ sec. 31, on old Salem-St. James rd., on E. side of Luther Branch, 50 ft. N. of ford, in root of twin 20-in. post-oak tree; copper nail and washer	882.81
T. 38 N., R. 6 W., in SW $\frac{1}{4}$ sec. 31, on E. side of old Salem-St. James rd. at rd. W., in root of 14-in. post-oak tree; copper nail and washer	1,014.00
T. 37 N., R. 6 W., near center sec. 6, on top of hill, on E. side of old Salem-St. James rd. at rd. W., on flat sandstone; chiseled triangle	1,042.50
T. 37 N., R. 6 W., in SE $\frac{1}{4}$ sec. 6, on old Salem-St. James rd., on top of E. head wall of concrete culvert; chiseled square	947.92
T. 37 N., R. 6 W., in NE $\frac{1}{4}$ sec. 7, 200 ft. W. of Zion Hill Church, SW. of old Salem-St. James rd. at crossroad; iron post	1,016.370
T. 37 N., R. 6 W., in SW $\frac{1}{4}$ sec. 7, on E. side of old Salem-St. James rd., 100 ft. NW. of Carroll dwelling, in base of 14-in. post-oak tree; nail	960.66
T. 37 N., R. 6 W., in SW $\frac{1}{4}$ sec. 18, on old Salem-St. James rd. at rd. W. to Dean Ford, in base of large oak tree; copper nail and washer	990.86
T. 37 N., R. 6 W., in NE $\frac{1}{4}$ sec. 19, on E. side of old Salem-St. James rd. at rd. SE., in root of 12-in. black-jack-oak tree; copper nail and washer	1,025.93
T. 37 N., R. 6 W., in NE $\frac{1}{4}$ sec. 29, on W. side of old Salem-St. James rd., 50 ft. E. of Adams School, 50 ft. W. of Adams Cemetery, in root of 28-in. red-oak tree; copper nail and washer	923.87
T. 37 N., R. 6 W., near center sec. 29, on old Salem-St. James rd., about 0.2 mi. NE. of dwelling of John Hale, on W. bank of Norman Creek, in 6-in. elm tree; copper nail and washer	871.65
T. 37 N., R. 6 W., in SW $\frac{1}{4}$ sec. 29, on W. side of old Salem-St. James rd., about 0.2 mi. S. of dwelling of John Hale, in fence line, in root of 26-in. red-oak tree; copper nail and washer	997.30
T. 37 N., R. 6 W., near SE. cor. sec. 32, on S. side of old Salem-St. James rd., 100 ft. S. of Earle Branch, in root of 30-in. white-oak tree; nail and washer	929.92
T. 36 N., R. 6 W., near quarter cor. between secs. 9 and 16, 50 ft. NE. of Norman post office, on W. side of old Salem-St. James rd.; iron post stamped "1109"	1,108.328
T. 36 N., R. 6 W., in NE $\frac{1}{4}$ sec. 16, SW. of old Salem-St. James rd. at Kelly-Rolla rd., near signboard marked "Salem 17 mi. St. James 12 mi. Rolla 15 mi. De Camp 3 mi.", opposite old blacksmith shop of Cage Clayton, in root of 6-in. post-oak tree; copper nail and washer	1,127.91
T. 36 N., R. 6 W., in W $\frac{1}{2}$ sec. 23, 60 ft. E. of old Salem-St. James rd. at new Salem Road, 20 ft. E. of Winkler Branch of St. Louis-San Francisco Ry. (now abandoned), in base of 20-in. black-oak tree; copper nail and washer	1,202.54
T. 36 N., R. 6 W., in NW $\frac{1}{4}$ sec. 26, on Salem Road, at NE. corner of Clinton School, on top of second concrete step; chiseled square	1,171.31
T. 36 N., R. 6 W., in SW $\frac{1}{4}$ sec. 26, SW. of Salem Road at crossroad, in root of 10-in. black-oak tree; copper nail and washer	1,214.13
T. 36 N., R. 6 W., in NW $\frac{1}{4}$ sec. 36, on Winkler Branch of St. Louis-San Francisco Ry. (now abandoned), 100 ft. NW. of section house, 100 ft. W. of track, on W. side of rd., in base of 12-in. black-jack-oak tree; spike	1,208.09
Tps. 35 and 36 N., R. 6 W., on line between secs. 1 and 36, 35 ft. W. of Winkler Branch of St. Louis-San Francisco Ry. (now abandoned), 20 ft. from Dent-Phelps county line; iron post stamped "1216"	1,215.425

24. SOUTHEAST NEAR CENTER OF QUADRANGLE

T. 37 N., R. 7 W., in NW $\frac{1}{4}$ sec. 25, NW. corner of Kelley Bank-Rolla rd. at rd. W., near corner fence post, on large sandstone boulder; chiseled square	1,068.11
T. 37 N., R. 7 W., in NE $\frac{1}{4}$ sec. 36, on W. side of Kelley Bank-Rolla rd. at junction of rd. S., in root of 12-in. white-oak tree; copper nail and washer	1,082.95
T. 37 N., R. 7 W., in SE $\frac{1}{4}$ sec. 36, on W. side of Kelley Bank-Rolla rd., in root of 16-in. white-oak tree; copper nail and washer	1,082.93
T. 36 N., R. 6 W., in SE $\frac{1}{4}$ sec. 6, on N. side of Kelley Bank-Rolla rd., 50 ft. W. of ford across Norman Creek, in root of 24-in. black-oak tree; copper nail and washer	923.46
T. 36 N., R. 6 W., in NW $\frac{1}{4}$ sec. 8, at top of hill, on E. side of Kelley Bank-Rolla rd., in root of 10-in. post-oak tree; copper nail and washer	1,055.82

25. FROM POINT NEAR WEST BORDER OF QUADRANGLE EAST TO ELK PRAIRIE, THENCE SOUTHEAST TO CLINTON

West branch of Little Dry Fork; center of ford	1,056.1
Elk Prairie, in SW $\frac{1}{4}$ sec. 4, T. 36 N., R. 7 W., in front face of NW. corner of foundation of porch to store; standard tablet stamped "1137"	1,136.022
Reference mark, on top of NW. corner of same concrete porch; chiseled square	1,136.80
T. 36 N., R. 7 W., in NE $\frac{1}{4}$ sec. 9, 100 ft. N. of dwelling of John Wassilak, on S. side of rd., 5 ft. W. of yard gate, in root of 18-in. post-oak tree; copper nail and washer	1,094.00
T. 36 N., R. 7 W., cor. secs. 3, 4, 9, and 10, at T-rd. N., 10 ft. E. of mail boxes, in root of 10-in. post-oak tree; copper nail and washer	1,024.32

T. 36 N., R. 7 W., in NW $\frac{1}{4}$ sec. 11, at top of hill, on S. side of rd., 50 ft. N. of gate to field, in root of 5-in. black-oak tree; copper nail and washer	Feet 1,064.96
T. 36 N., R. 7 W., near quarter cor. between secs. 2 and 11, at top of hill, 75 ft. S. of dwelling of P. Herberger, in root of 14-in. post-oak tree; copper nail and washer	1,047.42
T. 36 N., R. 7 W., in SW $\frac{1}{4}$ sec. 11, 50 ft. NW. of Morrison Ford across Dry Fork, on W. side of rd., in base of 10-in. oak tree; copper nail and washer	918.09
T. 36 N., R. 7 W., in SE $\frac{1}{4}$ sec. 14, on W. side of Elk Prairie-Seaton rd., 300 ft. S. of dwelling of G. R. Duncan, in root of 15-in. black-oak tree; copper nail and washer	1,083.86
Seaton, 2.5 mi. NW. of, along Elk Prairie-Seaton rd., in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 36 N., R. 7 W., in NW. corner of rd. at junction of Schuman Ridge rd. N.; iron post stamped "Prim Trav Sta No 15 J B L 1920 Mo 1111"	1,110.222
T. 36 N., R. 6 W., in SW $\frac{1}{4}$ sec. 19, on W. side of Elk Prairie-Seaton rd., at foot of hill, 125 ft. SE. of dwelling of Alfred Seaton, in root of 14-in. post-oak tree; copper nail and washer	1,117.12
T. 36 N., R. 6 W., line between secs. 29 and 30, on N. side of Elk Prairie-Seaton rd., in root of 24-in. oak tree; notch	1,159.60
T. 36 N., R. 6 W., line between secs. 29 and 30, on Elk Prairie-Seaton rd. at corner from N.-E. and dim rd. S., at sign marked "15 mi. to Rolla", in root of 30-in. post-oak tree; copper nail and washer	1,176.04
T. 36 N., R. 6 W., near S. sixteenth cor. sec. 29, on Elk Prairie-Seaton rd. at corner from N.-E., 4 ft. inside of field, in black-jack-oak tree; copper nail and washer	1,146.56
T. 36 N., R. 6 W., in SE $\frac{1}{4}$ sec. 29, NW. of Elk Prairie-Seaton rd. at crossroad, 250 ft. SE. of Highland School, in SE. corner of picnic grounds, in base of 5-in. white-oak tree; copper nail and washer	1,138.52
T. 36 N., R. 6 W., in SW $\frac{1}{4}$ sec. 28, 40 ft. W. of Elk Prairie-Seaton rd. at rd. S., at top of hill, on N. side of rd., 4 ft. inside wire fence; iron post	1,155.615
Reference mark, SW. of rd. junction, in root of 36-in. black-oak tree; copper nail and washer	1,153.01
T. 36 N., R. 6 W., S. sixteenth cor. sec. 28, 200 ft. E. of Elk Prairie-Seaton rd. at rd. N., at top of hill, SE. of junction of rd. SW., in base of twin 6-in. oak tree; copper nail and washer	1,131.92
T. 36 N., R. 6 W., in SE $\frac{1}{4}$ sec. 28, on Elk Prairie-Seaton rd., 15 ft. SE. of ford across Norman Creek, in root of 24-in. water-oak tree; copper nail and washer	1,023.59
T. 36 N., R. 6 W., in SW $\frac{1}{4}$ sec. 27, 50 ft. E. of Elk Prairie-Seaton rd. at rd. S. through wood, at top of hill, on N. side of rd., 1 ft. inside of fence, in root of 36-in. black-oak tree; copper nail and washer	1,085.78

26. IN SOUTHWEST QUARTER OF QUADRANGLE FROM ELK PRAIRIE SOUTHEAST TO LAKE SPRINGS (This line contains a probable 1 ft. error.)

T. 36 N., R. 7 W., in SW $\frac{1}{4}$ sec. 9, 100 ft. N. of Rolla and Salem Road at rd. W., on W. side of rd., in root of 12-in. post-oak tree; copper nail and washer	1,102.85
T. 36 N., R. 7 W., near center sec. 16, on E. side of Rolla and Salem Road, at top of hill, 400 ft. E. of dwelling of C. L. Wilson, in root of 12-in. black-oak tree; copper nail and washer	1,011.76
T. 36 N., R. 7 W., in SE $\frac{1}{4}$ sec. 21, on W. side of Rolla and Salem Road, about 0.2 mi. W. of farmhouse, at top of hill, in base of 12-in. post-oak tree; copper nail and washer	1,058.80
T. 36 N., R. 7 W., in SW $\frac{1}{4}$ sec. 27, NE. of Rolla and Salem Road at dim crossroad, in root of 12-in. post-oak tree; copper nail and washer	1,130.89
T. 36 N., R. 7 W., in NE $\frac{1}{4}$ sec. 34, 200 ft. S. of Rolla and Salem Road at rd. E., 900 ft. W. of Lenox dwelling, on E. side of rd., in base of 18-in. post-oak tree; copper nail and washer	1,102.63
T. 36 N., R. 7 W., in SE $\frac{1}{4}$ sec. 34, on Rolla and Salem Road, on top of E. head wall of concrete culvert; chiseled square	997.06
T. 35 N., R. 7 W., in NE $\frac{1}{4}$ sec. 3, on Rolla and Salem Road, about 0.2 mi. S. of Dent-Phelps county line, at top of hill, 20 ft. S. of junction of rd. E., on W. side of rd., in base of 10-in. white-oak tree; copper nail and washer	1,099.11

27. IN SOUTHWEST QUARTER OF QUADRANGLE FROM POINT ABOUT 2 MILES SOUTHWEST OF ELK PRAIRIE EAST

T. 36 N., R. 7 W., near cor. secs. 15, 16, 21, and 22, 75 ft. NE. of Central School, in root of twin red-oak tree; copper nail and washer	1,024.92
T. 36 N., R. 7 W., in NW $\frac{1}{4}$ sec. 23, at private ford across Dry Fork, on E. bank of creek, 8 ft. above bottom of channel, in root of 12-in. elm tree; nail	930.78
T. 36 N., R. 7 W., on line between secs. 14 and 23, at top of ridge, 10 ft. NW. of gate, in base of 10-in. post-oak tree; nail	1,049.30

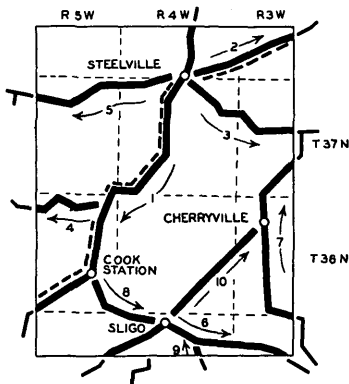
28. NEAR MIDDLE OF WEST BORDER OF QUADRANGLE

T. 37 N., R. 7 W., quarter cor. between secs. 31 and 32, 150 ft. E. of ford across Little Dry Fork, on S. side of rd., in root of tree; nail	1,006.89
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For an additional level line along St. Louis-San Francisco Ry. in southeast corner of quadrangle, refer to U.S. Coast and Geodetic Survey second-order line, Cuba to Eminence.

STEELVILLE QUADRANGLE
(Latitude 37°45'-38°00'; longitude 91°15'-91°30')

Crawford and Dent Counties



1. FROM NORTH BORDER OF QUADRANGLE SOUTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO WEST BORDER (by E. C. Bibbee in 1914)

	Feet
Boyd, 0.4 mi. N. of, along St. Louis-San Francisco Ry., 100 ft. S. of milepost marked "St. Louis 91 mi.", 30 ft. W. of track, on limestone rock; chiseled square	776.14
Boyd, 32 ft. S. of St. Louis-San Francisco Ry. sta., 20 ft. E. of rd., 1 ft. S. of right-of-way line; iron post stamped "Mo 748"	747.505
Meramec River, under St. Louis-San Francisco Ry. bridge; surface of water May 19, 1914	684.4
Halbert, in front of St. Louis-San Francisco Ry. sta.; top of rail	710.0
Sankey, in front of St. Louis-San Francisco Ry. sta.; top of rail	729.5
Steelville, 30 ft. E. of NE. corner of courthouse, 6 ft. S. and 2 ft. W. from NW. corner of office of circuit clerk; iron post stamped "Prim Trav Sta No 106 S 1926 755"	754.907
Steelville, in front of St. Louis-San Francisco Ry. sta.; top of rail	748.4
Roswell, 150 ft. S. of St. Louis-San Francisco Ry. sta., 12 ft. N. of rd., 10 ft. W. of right-of-way line, 2 ft. S. of fence; iron post stamped "Mo 845"	844.454
Roswell, in front of St. Louis-San Francisco Ry. sta.; top of rail	844.3
Highway, 125 ft. E. of St. Louis-San Francisco Ry. at rd. crossing, 20 ft. N. of track, 2 ft. W. of telegraph pole; iron post stamped "Mo 1023"	1,021.921
Highway, 1.3 mi. S. of, along St. Louis-San Francisco Ry., on S. abutment on W. side of concrete bridge 1025; chiseled square	936.97
Keyssville, opposite S. end of St. Louis-San Francisco Ry. sta.; top of rail	892.8
Keyssville, 200 ft. W. of St. Louis-San Francisco Ry. sta., 50 ft. S. of track, 5 ft. W. of NE. corner of Key lot; iron post stamped "P T Sta No 114 S 1926 892"	891.957
Keyssville, 1 mi. W. of, along St. Louis-San Francisco Ry., 100 ft. N. of milepost marked "St. Louis 104 miles", 2 ft. N. of right-of-way fence, in root of 18-in. elm tree; spike	872.54
Crooked Creek, 480 ft. N. of St. Louis-San Francisco Ry. sta., on S. abutment on E. side of steel bridge over Meramec River; chiseled square	851.32
Meramec River, under St. Louis-San Francisco Ry. bridge; surface of water May 23, 1914	837.2
Crooked Creek, in front of St. Louis-San Francisco Ry. sta.; top of rail	854.4
Wesco, 0.5 mi. N. of, along St. Louis-San Francisco Ry., 595 ft. N. of milepost marked "St. Louis 107 miles", on E. side of track, at foot of cliff, on pointed limestone rock 2 ft. above roadbed; chiseled square	858.24
Wesco, 100 ft. S. of St. Louis-San Francisco Ry. sta., 25 ft. E. of track, 5 ft. E. of right-of-way line, on W. side of rd.; iron post stamped "P T Sta No 115 S 1926 865"	864.194
Wesco, 1.2 mi. S. of, along St. Louis-San Francisco Ry., 15 ft. E. of rd. crossing, on limestone ledge; chiseled square	881.70
Elma, in front of St. Louis-San Francisco Ry. sta.; top of rail	881.2
Goltra Junction, 495 ft. S. of junction of Sligo Branch (now abandoned) and Salem Branch of St. Louis-San Francisco Ry., on N. abutment on W. side of bridge over Meramec River; chiseled square	883.84
Meramec River, under St. Louis-San Francisco Ry. bridge; surface of water May 26, 1914	868.6
Cook Station, 90 ft. W. of St. Louis-San Francisco Ry. sta., 2 ft. N. of fence, in SE. corner of lot belonging to Cook Mercantile Co.; iron post stamped "Mo 893"	892.272
Cook Station, at N. end of St. Louis-San Francisco Ry. sta.; top of rail	888.6
Cook Station, 0.8 mi. S. of, along St. Louis-San Francisco Ry., 12 ft. E. of rd. crossing; N. end of tile drain	919.06

Cook Station, 2.1 mi. S. of, along St. Louis-San Francisco Ry., 140 ft. S. of milepost marked "St. Louis 113 miles", 10 ft. E. of track, on limestone ledge; chiseled square	Feet 1,025.20
McKenzie, 150 ft. N. of St. Louis-San Francisco Ry. sta., 60 ft. W. of track, 5 ft. W. of telegraph pole, in sandstone ledge; standard tablet stamped "Mo 1154"	1,153.935
McKenzie, 0.9 mi. S. of, along St. Louis-San Francisco Ry., at rd. crossing, 450 ft. S. of milepost 115; N. end of tile drain	1,168.60
Boscobel, in front of St. Louis-San Francisco Ry. sta.; top of rail	1,169.0
Boscobel, 5 ft. E. of St. Louis-San Francisco Ry., opposite end of switch; top of vertical rail	1,171.53

(Continued in Meramec Spring quadrangle; see line 3.)

2. FROM STEELVILLE NORTHEAST TO EAST BORDER OF QUADRANGLE (by L. V. Johnson in 1932)

Steelville, 0.9 mi. E. of, along State Highway 8, in wing wall at SW. corner of concrete bridge over Whittenburg Creek; chiseled square	736.45
Steelville, 1.8 mi. E. of, along State Highway 8, near top of hill, 38 ft. S. and 5 ft. W. from highway at private rd. S., 70 ft. SE. of mail box of Ed Viehman, in root on N. side of triangular-blazed 15-in. oak tree; copper nail and washer	903.54
Steelville, 2.8 mi. E. of, along State Highway 8, 200 ft. E. of highway at rd. E. to Scotia, 15 ft. S. of E.-W. rd., 60 ft. N. of highway, in root on W. side of 12-in. oak tree; copper nail and washer	919.15
Steelville, 3 mi. E. of, along Scotia-Steelville rd., in SW $\frac{1}{4}$ sec. 30, T. 38 N., R. 3 W., 60 ft. SE. of front door of dwelling of Joe Pinson, 22 ft. N. of rd., in fence corner, in concrete post; standard tablet stamped "P T Sta No 107 S 1926"	959.338
Steelville, 4.1 mi. E. of, along Scotia-Steelville rd., near W. sixteenth cor. sec. 29, T. 38 N., R. 3 W., 27 ft. N. and 12 ft. E. from rd. fork N., 12 ft. N. and 25 ft. W. from rd. fork S., in root on S. side of 18-in. oak tree; copper nail and washer	991.23
Steelville, 5 mi. E. of, along Scotia-Steelville rd., in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29, T. 38 N., R. 3 W., 35 ft. N. and 115 ft. E. from small bridge over drain, 25 ft. S. of rd., in root on W. side of 30-in. oak tree; copper nail and washer	883.54
Steelville, 5.8 mi. NE. of, along Scotia-Steelville rd., 4 mi. SW. of Scotia, in NE $\frac{1}{4}$ sec. 28, T. 38 N., R. 3 W., 150 ft. NW. of dwelling of F. C. Wallis, at SW. corner of junction of lane S., in concrete post; standard tablet stamped "P T Sta No 108 S 1926"	1,001.638
Reference mark, 8 ft. SE. of tablet, in root on N. side of large oak tree; copper nail and washer	1,001.65

3. FROM STEELVILLE SOUTHEAST TO EAST BORDER OF QUADRANGLE

Steelville, 0.6 mi. S. of, along State Highway 19, at foot of hill, 12 ft. W. of highway, on N. end of W. head wall of concrete culvert over drain; chiseled square	798.02
Steelville, 1.2 mi. S. of, along State Highway 19, at top of hill, 40 ft. N. and 12 ft. E. from highway at private rd. NE. through stone gateway to dwelling of W. D. Collins, 3 ft. W. of rock corner post, on W. end of corrugated iron pipe culvert; chiseled square	972.48
Steelville, 2.5 mi. SE. of, along State Highway 19, in wing wall at SW. corner of concrete bridge over drain; standard tablet stamped "20 J 1932"	881.801
Reference mark, on wing wall at SE. corner of concrete bridge; chiseled square	881.82
Steelville, 3 mi. SE. of, along State Highway 19, 7 ft. S. and 43 ft. E. from highway at rd. E. to Westover, on head wall of concrete culvert; chiseled square	1,001.49
Steelville, 4 mi. SE. of, 1 mi. E. of State Highway 19, on rd. to Westover, 180 ft. E. of rd. fork SE., 25 ft. S. of rd., in root on NE. side of 10-in. oak tree; copper nail and washer	986.86
Steelville, 5 mi. SE. of, along rd. to Westover, near N. sixteenth cor. sec. 18, T. 37 N., R. 3 W., 50 ft. N. and 10 ft. E. from crossroads, in concrete post; standard tablet stamped "21 J 1932"	1,048.746
Reference mark, 60 ft. N. and 10 ft. W. from crossroads, in root on SE. side of 10-in. oak tree; copper nail and washer	1,047.99
Steelville, 6.2 mi. SE. of, along rd. to Westover, 220 ft. NW. of rd. at private lane S. to farmhouse of John Schweider, 40 ft. N. of rd., in root on S. side of 30-in. elm tree; copper nail and washer	824.44
Steelville, 6.9 mi. SE. of, along rd. to Westover, in NW $\frac{1}{4}$ sec. 16, T. 37 N., R. 3 W., 40 ft. N. and 15 ft. E. from junction of private rd. through gate to farmhouse of J. T. Martin, in root on S. side of 10-in. oak tree; copper nail and washer	813.28
Steelville, 7.5 mi. SE. of, along rd. to Westover, in NE $\frac{1}{4}$ sec. 16, T. 37 N., R. 3 W., about 250 ft. N. of farmhouse of Seldon Ives, 35 ft. NW. of mail box, 18 ft. N. of rd., in root on S. side of 24-in. oak tree; copper nail and washer	786.33

4. NEAR MIDDLE OF WEST BORDER OF QUADRANGLE (by F. L. Whaley in 1932)

Wesco, 100 ft. S. of St. Louis-San Francisco Ry. sta., 25 ft. E. of track, 5 ft. E. of right-of-way line, on W. side of rd.; iron post stamped "P T Sta No 115 S 1926-865"	864.194
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Reference mark, 70 ft. NE. of tablet, on second concrete step at N. end of porch of post office; chiseled square	Feet 866.89
Wesco, 0.7 mi. W. of, in SE $\frac{1}{4}$ sec. 2, T. 36 N., R. 5 W., 40 ft. E. of rd. forks on hill, in root on N. side of twin oak tree; copper nail and washer	935.61
Wesco, 2 mi. W. of, in SW $\frac{1}{4}$ sec. 3, T. 36 N., R. 5 W., 40 ft. S. of rd. forks, in root of 16-in. black-oak tree; copper nail and washer	1,109.21
Wesco, 3 mi. W. of, near N. sixteenth cor. sec. 4, T. 36 N., R. 5 W., 1 mi. E. of Benton Creek School, 70 ft. SW. of rd. forks, in root of small, twin oak tree; copper nail and washer	1,080.09
Benton Creek School, 4 mi. W. of Wesco, in SE. corner of concrete porch; standard tablet stamped "No 1 W 1932"	847.753
Reference mark, 100 ft. SE. of tablet, in root on W. side of 12-in. black-oak tree; copper nail and washer	848.15

(Continued in Meramec Spring quadrangle; see line 5.)

5. FROM STEELVILLE WEST TO WEST BORDER OF QUADRANGLE

Steelville, 30 ft. E. of NE. corner of courthouse, 6 ft. S. and 2 ft. W. from NW. corner of office of circuit clerk; iron post stamped "Prim Trav Sta No 106 S 1926 755"	754.907
Reference mark, 30 ft. W. of tablet, at NE. corner of courthouse, on concrete walk; chiseled square	754.70
Steelville, 1 mi. W. of, on old Meramec Spring rd., near top of hill, in front yard of W. A. Gravatt, 18 ft. N. of NE. corner of dwelling, in root of white-oak tree (larger one); copper nail and washer	891.30
Steelville, 1.8 mi. W. of, 4 ft. NW. of junction of old and new Meramec Spring rds., in root on N. side of 20-in. black-oak tree; copper nail and washer	954.83
Steelville, 3 mi. W. of, along St. James-Steelville rd., 25 ft. E. of junction of rd. SW. to Clinton Mills, inside wire fence, in concrete post; standard tablet stamped "P T Sta No 105 S 1926"	975.632
Reference mark, 150 ft. SW. of tablet, in root of 10-in. oak tree; copper nail and washer	974.76
Steelville, 4 mi. W. of, on N. side of St. James-Steelville rd., opposite mail box of P. M. Adams, at entrance to farm, near center of group of trees at small drain, in root of black-oak tree; copper nail and washer	915.60
Steelville, 4.7 mi. W. of, along St. James-Steelville rd., at junction of rd. N., in fence line, in root of 16-in. white-oak tree; copper nail and washer	975.54
Steelville, 6 mi. W. of, along St. James-Steelville rd., near center of $\frac{1}{2}$ sec. 2, T. 37 N., R. 5 W., 40 ft. SE. of SE. corner of dwelling of G. A. Wycoff, near SE. corner of yard, in concrete post; standard tablet stamped "P T Sta No 104 S 1926"	874.848
Reference mark, 270 ft. W. of tablet, in root of walnut tree (second from E. end of row); copper nail and washer	877.12
Steelville, 7 mi. W. of, along St. James-Steelville rd., 400 ft. E. of junction of dim rd. SW. at shack, 250 ft. W. of top of hill, on S. side of rd., on top of large sandstone rock; chiseled square	1,021.54
Steelville, 7.7 mi. W. of, along St. James-Steelville rd., 1.2 mi. E. of Houston School, 130 ft. SE. of iron culvert, on W. side of rd., near drain, in root of black-oak tree; copper nail and washer	1,017.94
Steelville, about 8.8 mi. W. of, along St. James-Steelville rd., 0.2 mi. E. of Houston School, 250 ft. W. of top of W. slope of hill, 40 ft. N. of rd., in root of 14-in. white-oak tree; copper nail and washer	1,010.24
Steelville, about 9 mi. W. of, along St. James-Steelville rd., in SE $\frac{1}{4}$ sec. 5, T. 37 N., R. 5 W., 18 ft. W. of NW. corner of Houston School, in NW. corner of concrete cistern curb; standard tablet stamped "F T No 103 S 1926"	970.014
Reference mark, 30 ft. E. of tablet, on W. end of bottom concrete step at entrance to school; chiseled square	967.66

(Continued in Meramec Spring quadrangle; see line 4.)

6. EAST ALONG SOUTH BORDER OF QUADRANGLE (by J. W. Lawson in 1933)

(Continued from Stone Hill quadrangle; see line 2.)

Short Bend Store, 1.9 mi. NE. of, along State Highway 19, 2.5 mi. SW. of Sligo, 10 ft. N. and 22 ft. W. from highway at dim rd. SW., at S. end of curve E., on N. concrete head wall of culvert; chiseled square	1,184.08
Sligo, 1.9 mi. SW. of, 140 ft. E. of junction of old State Highway 19 and new State Highway 19, 35 ft. S. of C.C.C. camp sign, 15 ft. S. and 12 ft. W. from rd. fork S., on top of concrete right-of-way post; painted square	1,221.66
Sligo, 1 mi. SW. of, along old route of State Highway 19, in SE. cor. sec. 8, T. 35 N., R. 4 W., 150 ft. E. of dwelling of J. G. Talley, 40 ft. S. and 30 ft. E. from rd. forks, 2 ft. W. of NW. corner of Indian Trail State Park, in concrete post; standard tablet stamped "P T Sta No 135 S 1927"	1,091.621
Reference mark, 440 ft. S. of tablet, at curve in rd. from N.-W., in ditch, on top of rock outcrop; chiseled square	1,106.13
Sligo, 360 ft. S. of brick store, 30 ft. S. and 40 ft. W. from T-rd. W., 2 ft. N. of fence around churchyard, on top of pointed rock; chiseled square	1,061.85
Sligo, 0.5 mi. E. of, 60 ft. S. and 60 ft. E. from ford across Crooked Creek, in SW. side of lone 27-in. sycamore tree; spike	1,009.01
Sligo, 1.1 mi. SE. of, 20 ft. N. of rd. at curve, near spring, in root on W. side of 30-in. elm tree; copper nail and washer	1,024.37

Sligo, 1.7 mi. SE. of, along St. Louis-San Francisco Ry. (now abandoned), near center of S $\frac{1}{2}$ sec. 10, T. 35 N., R. 4 W., 200 ft. SE. of dwelling of Everett Colteyer, 145 ft. E. of rd. crossing, 17 ft. N. of track, 18 ft. S. of rd., in concrete post; standard tablet stamped "P T Sta No 134 S 1927"	Feet 1,037.665
Reference mark, 50 ft. NE. of tablet, in S. side of 15-in. oak tree; spike	1,039.17
Sligo, 2.4 mi. SE. of, 30 ft. N. of T-fence S., 15 ft. N. of rd. at gate, in S. side of twin 12-in. oak tree; rail spike	1,094.39
Sligo, 2.9 mi. SE. of, 120 ft. SE. of Hopewell School, 110 ft. E. of rd. fork S., 8 ft. S. and 10 ft. W. from gate across rd., on top of rock; chiseled square	1,064.08
Sligo, 4.2 mi. SE. of, 180 ft. W. of farmhouse, 5 ft. S. of gate across rd., at gatepost, in N. side of 15-in. oak tree; rail spike	1,109.28
Rd. fork NW. through gate, at approximate Crawford-Dent county line	1,221.1
Sligo, 5.3 mi. E. of, about 0.6 mi. N. of farm of C. E. Powell, at top of ridge, 25 ft. S. of rd. forks, in root on N. side of 12-in. oak tree; copper nail and washer	1,256.43
Sligo, 5 mi. E. of, along St. Louis-San Francisco Ry. (now abandoned), in NE $\frac{1}{4}$ sec. 18, T. 35 N., R. 3 W., 400 ft. SE. of large barn of C. E. Powell, 45 ft. N. and 45 ft. W. from rd. crossing, in fence corner, in concrete post; standard tablet stamped "P T Sta No 133 S 1927"	1,140.423
Reference mark, 10 ft. E. of tablet, in large fence post; rail spike	1,140.32
Rd. fork N., in top of stump; copper nail and washer	1,311.00
Rd., at gate, center line of rd.	1,294.0
Sligo, 6.3 mi. E. of, 140 ft. N. of Lincoln School, 30 ft. S. and 40 ft. W. from rd. fork E. to schoolyard, in root on N. side of 6-in. oak tree; copper nail and washer	1,284.48
Sligo, 6.8 mi. E. of, 0.5 mi. E. of Lincoln School, 22 ft. S. of rd. fork N., 12 ft. E. of fence N. and gate across rd., at W. gatepost of gate to S. field, in root on N. side of 12-in. oak tree; copper nail and washer	1,241.11
Rd. fork S., center line of rd.	1,258.0
Sligo, 7.7 mi. E. of, at top of ridge on E. side of field, 25 ft. N. of rd., at edge of timber line, in root on N. side of 18-in. hickory tree; copper nail and washer	1,307.86
Sligo, 8.1 mi. E. of, on Cherryville-Dillard rd., 1.9 mi. SW. of junction of Cherryville-Dillard and Dillard-Sligo rds., 20 ft. S. of gate across rd., in NE. corner of T-fence N., in top of large sandstone boulder; standard tablet stamped "No 2 L 1933 1347"	1,347.158
Reference mark, 30 ft. E. of tablet, in root on W. side of 8-in. oak tree; copper nail and washer	1,348.08

7. NORTH ALONG SOUTH HALF OF EAST BORDER OF QUADRANGLE

Cherryville, 5.2 mi. S. of, along old Cherryville-Dillard rd., 220 ft. S. of dwelling, 20 ft. S. of rd., 6 ft. E. of gate to field, in fence line, in root on NW. side of 8-in. oak tree; copper nail and washer	1,037.73
Creek, on bedrock; painted square	1,037.33
Cherryville, 4.5 mi. S. of, along old Cherryville-Dillard rd., 530 ft. S. of rd. fork NE., 20 ft. S. and 15 ft. W. from rd. fork W., in root on E. side of 9-in. oak tree; copper nail and washer	1,168.63
Cherryville, 3.8 mi. S. of, along old Cherryville-Dillard rd., 25 ft. W. of rd., in creek bed, in root on NE. side of 14-in. elm tree; copper nail and washer	1,057.26
Cherryville, 3 mi. SE. of, along Cherryville-Dillard rd., 16 ft. N. and 35 ft. W. from front door of Henry Eaton School, 24 ft. E. of rd., in concrete post; standard tablet stamped "P T Sta No 116 S 1926"	1,040.803
Reference mark, 100 ft. N. of tablet, on top of W. end of galvanized iron pipe culvert; painted square	1,039.74
Cherryville, 2.4 mi. S. of, along old Cherryville-Dillard rd., 35 ft. N. and 15 ft. E. from rd. fork W., in root on W. side of 8-in. oak tree; copper nail and washer	1,044.87
Rd. fork E., center line of rd.	962.9
Cherryville, 1.5 mi. S. of, along old Cherryville-Dillard rd., 550 ft. S. of ford across Dry Creek, 7 ft. W. of rd., 4 ft. SE. of large sycamore tree, in fence line, in root on N. side of 9-in. walnut tree; copper nail and washer	886.66
Cherryville, 0.3 mi. S. of, along State Highway 19, 30 ft. S. and 30 ft. E. from highway at old Cherryville-Dillard rd., in root on W. side of 12-in. oak tree; copper nail and washer	1,060.85
Cherryville, 140 ft. W. of store and post office, 35 ft. S. of State Highway 19, on high bank, in fence corner, in concrete post; standard tablet stamped "P T Sta No 112 S 1926"	1,021.405
Reference mark, 530 ft. E. of tablet, on top of N. head wall of concrete culvert; painted square	1,021.89
Cherryville, 0.8 mi. N. of, along State Highway 19, 20 ft. N. and 75 ft. E. from highway at rd. E. to Scenic Caverns, in root on N. side of 18-in. hickory tree; copper nail and washer	1,059.54
Cherryville, 1.5 mi. N. of, along State Highway 19, 20 ft. S. and 20 ft. W. from highway at rd. W. through gate, in root on SE. side of 14-in. oak tree; copper nail and washer	989.62
Cherryville, 2.2 mi. N. of, along State Highway 19, 440 ft. N. of Cherry Valley Creek, on S. side of small creek NW. of highway at Cherryville-Westover rd., in root on E. side of 10-in. oak tree; copper nail and washer	923.53
Cherryville, 2.9 mi. N. of, along Cherryville-Westover rd., 0.7 mi. NE. of State Highway 19, 40 ft. E. of ford across creek, 15 ft. S. of rd., in root on N. side of 12-in. walnut tree; nail and washer	896.75
Junction of rd. N., (W. fork), center line of rd.	990.8

Cherryville, 3 mi. N. of, along Cherryville-Westover rd., 1.5 mi. E. of State Highway 19, in NE $\frac{1}{4}$ sec. 33, T. 37 N., R. 3 W., 40 ft. S. and 40 ft. E. from dwelling of S. S. Wolfe, in concrete post; standard tablet stamped "2 T Sta No 111 S 1926"	Feet 978.002
Reference mark, 220 ft. E. of tablet, on top of head wall of stone culvert; painted square	967.51

8. IN SOUTHWEST QUARTER OF QUADRANGLE, FROM COOK STATION SOUTHEAST TO STATE HIGHWAY 19

Rd. forks, in center of Cook Station, 1.2 mi. SW. of, on Sligo rd., on sec. line, 15 ft. W. of rd., in corner fence post of N. fence of double fence W.; rail spike	900.1
Cook Station, 2 mi. SE. of, on Sligo rd., 15 ft. N. of rd., 55 ft. NE. of junction of fences at large oak tree, at NW. corner of field, in root on S. side of 15-in. hickory tree; copper nail and washer	921.00
Cook Station, 2.9 mi. SE. of, on Sligo rd., 30 ft. E. of dim rd. forks, on S. side of hill, in dim rd., on top of sandstone outcrop; chiseled square	985.10
Cook Station, 3.4 mi. SE. of, on Sligo rd., 1.1 mi. NW. of State Highway 19, at N. edge of triangle formed by rd. forks, 7 ft. S. of rd., in root on N. side of middle one of three oak trees; copper nail and washer	1,098.15
Cook Station, 4.6 mi. SE. of, on State Highway 19, 870 ft. N. of highway at rd. E. to Sligo, 15 ft. W. of highway at rd. to Cook Station, on top of head wall of concrete culvert; chiseled square	1,018.42
	1,169.54

9. NEAR MIDDLE OF SOUTH BORDER OF QUADRANGLE (by R. P. Thomas in 1934)

(Continued from Stone Hill quadrangle; see line 3.)

Old chimney, 800 ft. SE. of, 800 ft. S. of Sligo rd., 50 ft. N. of abandoned Sligo Branch of St. Louis-San Francisco Ry., in root of 24-in. walnut tree; copper nail and washer	1,048.15
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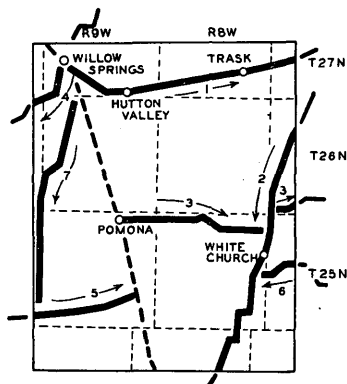
10. IN SOUTHEAST QUARTER OF QUADRANGLE, FROM POINT 9.5 MILES SOUTHWEST OF CHERRYVILLE NORTHEAST ALONG STATE HIGHWAY 19 TO CHERRYVILLE (fourth-order line by J. M. Lawson in 1933)

Cherryville, 9.5 mi. SW. of, along State Highway 19, on top of NE. head wall of concrete culvert; painted square	1,166.47
Cherryville, 8.9 mi. SW. of, along State Highway 19, at Crawford-Dent county line, on W. side of highway, on top of concrete right-of-way post; painted square	1,158.31
Cherryville, 7.5 mi. SW. of, along State Highway 19, 20 ft. S. and 25 ft. W. from highway at dim rd. W., at top of hill, near sign pointing to Ozark Tops, in E. side of 4-in. oak tree; rail spike	1,180.36
Cherryville, 6.2 mi. SW. of, along State Highway 19, on top of SE. corner of SE. concrete wing wall of bridge over Crooked Creek; chiseled square	967.09
Cherryville, 5.2 mi. SW. of, along State Highway 19, 40 ft. S. and 50 ft. E. from highway at rd. N., 100 ft. SE. of E. end of guard rail at curve in highway, in root on E. side of 8-in. oak tree; rail spike	1,166.07
Cherryville, 4.6 mi. SW. of, along State Highway 19, at junction of rd. S., on top of E. end of wooden culvert; painted square	1,195.99
Cherryville, 3.8 mi. SW. of, along State Highway 19, 100 ft. NE. of bridge over Yankee Branch, 25 ft. E. of highway, 20 ft. W. of barn, in root on W. side of 24-in. locust tree; nail and washer	1,077.07
Cherryville, 3.2 mi. SW. of, along State Highway 19, at NE. corner of small wooden bridge over creek; top of bolt	1,146.34
Cherryville, 2.2 mi. SW. of, along State Highway 19, 30 ft. E. of highway, in corner fence post of W. fence of double fence S. on sec. line; rail spike	1,055.49
Cherryville, 0.8 mi. SW. of, along State Highway 19, 20 ft. S. of highway at rd. W., in root on SE. side of 10-in. oak tree; nail and washer	1,089.86

For additional level lines along St. Louis-San Francisco Ry. and State Highway 8, refer to U.S. Coast and Geodetic Survey second-order lines, Cuba to Eminence and Steelville to Mineral Point.

WILLOW SPRINGS QUADRANGLE
(Latitude $36^{\circ}45'37''00''$; longitude $91^{\circ}45'92''00''$)

Howell County.



1. FROM WILLOW SPRINGS EAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO EAST BORDER OF QUADRANGLE (second-order line by H. P. Jones in 1934)

	<u>Feet</u>
Willow Springs, 300 ft. S. of St. Louis-San Francisco Ry. sta., 25 ft. N. of overhead bridge crossing tracks, 25 ft. E. of yard track; iron post stamped "Prim Trav Sta No 45 1913 Mo"	1,253.596
Willow Springs, 2.3 mi. E. of, along St. Louis-San Francisco Ry., opposite first telegraph pole E. of pole 295.15, 65 ft. N. of track, 20 ft. N. of N. right-of-way fence, in root on E. side of 20-in. black-oak tree; copper nail and washer	1,197.34
Willow Springs, 2.8 mi. E. of, along St. Louis-San Francisco Ry., 105 ft. N. of crossing of U.S. Highway 63, about 500 ft. S. of junction of U.S. Highways 60 and 63, on W. head wall of concrete culvert; chiseled square	1,183.90
Willow Springs, 3.9 mi. E. of, along St. Louis-San Francisco Ry., in S. end of W. abutment of wooden trestle 297; copper nail and washer	1,163.40
Hutton Valley, 1.6 mi. W. of, along St. Louis-San Francisco Ry., 4.2 mi. E. of Willow Springs, 46 ft. N. and 26 ft. W. from rd. crossing, 2 ft. SE. of corner fence post, in concrete post; standard tablet stamped "5 J 1934 1158"	1,158.172
Hutton Valley, 103 ft. W. of W. end of St. Louis-San Francisco Ry. sta., 35 ft. E. of track, 2 ft. from fence corner; iron post stamped "Prim Trav Sta No 46 1913 Mo"	1,134.333
Hutton Valley, 15 ft. S. and 10 ft. W. from SE. corner of St. Louis-San Francisco Ry. sta., in root on NW. side of 24-in. white-oak tree; copper nail and washer	1,141.57
Hutton Valley, 0.9 mi. E. of, along St. Louis-San Francisco Ry., in S. end of W. abutment of wooden trestle 299.7; copper nail and washer	1,144.24
Hutton Valley, 1.9 mi. E. of, along St. Louis-San Francisco Ry., 48 ft. N. and 9 ft. E. from rd. crossing, 8 ft. E. of gatepost, 2 ft. S. of N. right-of-way fence, in concrete post; standard tablet stamped "6 J 1934 1154"	1,154.356
Hutton Valley, 2.6 mi. E. of, along St. Louis-San Francisco Ry., 50 ft. N. and 20 ft. E. from rd. crossing, in root on E. side of 18-in. black-oak tree; copper nail and washer	1,178.01
Hutton Valley, 3.8 mi. E. of, along St. Louis-San Francisco Ry., 60 ft. N. of track at first pole W. of pole 302.25, 10 ft. N. of N. right-of-way fence, in root on SE. side of 24-in. black-oak tree; copper nail and washer	1,193.47
Trask, 0.6 mi. W. of, along St. Louis-San Francisco Ry., 75 ft. NE. of rd. crossing, 15 ft. N. of rd., in root on S. side of 30-in. black-oak tree; copper nail and washer	1,167.76
Trask, 46 ft. N. and 38 ft. E. from cor. secs. 26, 27, 34, and 35, T. 27 N., R. 8 W., 13 ft. W. of first telegraph pole W. of pole 303.30, in concrete post; standard tablet stamped "7 J 1934 1208"	1,208.158
Trask, 200 ft. W. of St. Louis-San Francisco Ry. flag sta., 60 ft. S. and 35 ft. W. from cor. secs. 26, 27, 34, and 35, T. 27 N., R. 8 W., 8 ft. below track, 2 ft. from fence corner; iron post stamped "Prim Trav Sta No 47 1913 Mo"	1,197.813
Trask, 0.9 mi. E. of, along St. Louis-San Francisco Ry., 120 ft. E. of rd. crossing, 50 ft. S. of track, in root on W. side of 10-in. black-oak tree; copper nail and washer	1,154.70
Trask, 2 mi. E. of, along St. Louis-San Francisco Ry., opposite first pole W. of pole 305.30, on third ridge from N. end of middle iron pipe culvert under track, highest point; painted square	1,179.49
Mountain View, 3 mi. W. of, along St. Louis-San Francisco Ry., 45 ft. N. and 20 ft. W. from rd. crossing, 11 ft. W. of corner fence post, 2 ft. S. of N. right-of-way fence, in concrete post; standard tablet stamped "8 J 1934 1171"	1,170.955

(Continued in Montier quadrangle; see line 1.)

2. FROM POINT NEAR CENTER OF NORTH HALF OF EAST BORDER OF QUADRANGLE
SOUTHWEST TO SOUTH BORDER (by E. W. Gouchenour in 1931)
(Continued from Montier quadrangle; see line 3.)

Mountain View, about 6.6 mi. SW. of, near center sec. 18, T. 26 N., R. 7 W., 0.6 mi. W. of T-rd. W., 15 ft. S. of rd., in root on N. side of 20-in. red-oak tree; copper nail and washer	Feet 1,133.25
Mountain View, 7.9 mi. SW. of, along old West Plains rd., 1 mi. N. of low-water concrete bridge over Eleven Point River, 20 ft. W. of rd., in root on W. side of 12-in. white-oak tree; copper nail and washer	1,120.00
Mountain View, 8.6 mi. SW. of, along old West Plains rd., in NE $\frac{1}{4}$ sec. 24, T. 26 N., R. 8 W., about 0.2 mi. NE. of low-water bridge over Eleven Point River, 140 ft. S. and 40 ft. E. from rd. forks, in concrete post; standard tablet stamped "34 G 1931"	998.024
Reference mark, 12 ft. S. and 7 ft. E. from tablet, in root on W. side of 20-in. black-oak tree; copper nail and washer	997.51
Mountain View, 9.6 mi. SW. of, along old West Plains rd., in SE. cor. sec. 25, T. 26 N., R. 8 W., 0.8 mi. S. of low-water concrete bridge over Eleven Point River, 25 ft. S. and 50 ft. W. from rd. forks, in root on SE. side of 30-in. black-oak tree; copper nail and washer	1,079.65
T. 26 N., R. 8 W., near W. sixteenth cor. sec. 36, 10 ft. S. and 35 ft. W. from junction of private rd. W., in root on W. side of blackjack-oak tree; copper nail and washer	1,068.27
White Church, 1.1 mi. N. of, S. sixteenth cor. between secs. 1 and 2, T. 25 N., R. 8 W., 23 ft. S. and 45 ft. E. from T-rd. E., 3 ft. S. of E.-W. fence, in concrete post; standard tablet stamped "35 G 1931"	1,073.536
Reference mark, 16 ft. S. and 15 ft. W. from tablet, in root on N. side of 8-in. black-oak tree; copper nail and washer	1,073.80
White Church, near S. sixteenth cor. between secs. 11 and 12, T. 25 N., R. 8 W., 10 ft. S. and 55 ft. E. from NE. corner of T-rd. S., in root on E. side of 40-in. black-oak tree; copper nail and washer	1,074.76
White Church, 1.2 mi. S. of, 330 ft. N. of crossroads at cor. secs. 13, 14, 23, and 24, T. 25 N., R. 8 W., 20 ft. W. of rd., at N. gatepost to field, in root on E. side of 15-in. hickory tree; copper nail and washer	1,074.23
White Church, 1.2 mi. S., thence 0.5 mi. W. from, about 225 ft. E. of cor. secs. 14, 15, 22, and 23, T. 25 N., R. 8 W., 30 ft. N. of rd. fork S., 3 ft. N. of fence, in concrete post; standard tablet stamped "36 G 1931"	1,103.156
Reference mark, 36 ft. S. and 36 ft. W. from tablet, on N. head wall of concrete culvert; chiseled square	1,103.01
T. 25 N., R. 8 W., near W. sixteenth cor. between secs. 23 and 26, 15 ft. N. and 40 ft. W. from T-rd. E., in root on E. side of 24-in. blackjack-oak tree; copper nail and washer	1,164.52
T. 25 N., R. 8 W., 800 ft. S. of cor. secs. 26, 27, 34, and 35, in front of dwelling of Walter Smith, 15 ft. E. of rd., in root on W. side of 18-in. white-oak tree; copper nail and washer	1,051.84
West Plains, about 5.3 mi. NE. of, on rd. to Mountain View, S. cor. secs. 34 and 35, T. 25 N., R. 8 W., 33 ft. S. and 24 ft. W. from T-rd. W., 3 ft. W. of fence, in pasture, in concrete post; standard tablet stamped "37 G 1931"	1,019.333
Reference mark, 33 ft. N. and 30 ft. W. from T-rd. W., in root on SE. side of 12-in. white-oak tree; copper nail and washer	1,017.56
T. 24 N., R. 8 W., in NE $\frac{1}{4}$ sec. 2, 100 ft. NE. of curve in rd. to W., on E. end of concrete culvert; chiseled square	1,041.70
T. 24 N., R. 8 W., 500 ft. S. of T-rd. E. at quarter cor. between secs. 2 and 3 on E. head wall of concrete culvert; chiseled square	1,081.58
West Plains, 3 mi. NE. of, on rd. to Mountain View, quarter cor. between secs. 10 and 11, T. 24 N., R. 8 W., 15 ft. S. and 36 ft. E. from T-rd. N., in concrete post; standard tablet stamped "38 G 1931"	1,052.287
Reference mark, 40 ft. N. and 36 ft. W. from tablet, in root on E. side of 40-in. white-oak tree; copper nail and washer	1,052.32

(Continued in West Plains quadrangle; see line 2.)

3. FROM POMONA EAST TO EAST BORDER OF QUADRANGLE (by J. G. Bardsley in 1935)

U.S.C. & G.S. standard disk stamped "F 8 1928"	1,240.972
Pomona, 0.5 mi. E. of, along County Route N, near S. sixteenth cor. sec. 2, T. 25 N., R. 9 W., 40 ft. S. of rd., in corner fence post; copper nail and washer	1,204.98
Pomona, about 1.2 mi. E. of, along County Route N, near center of SW $\frac{1}{4}$ sec. 1, T. 25 N., R. 9 W., 50 ft. SW. of junction of rd. S., in corner fence post; copper nail and washer	1,210.01
Pomona, about 1.8 mi. E. of, along County Route N, in SE $\frac{1}{4}$ sec. 1, T. 25 N., R. 9 W., 120 ft. W. of dwelling of A. O. Soote, 60 ft. S. of rd., in root of 24-in. black-oak tree; copper nail and washer	1,229.27
Pomona, about 2.8 mi. E. of, along County Route N, in S $\frac{1}{2}$ sec. 6, T. 25 N., R. 8 W., 40 ft. W. of NW. corner of Mackey Church, 60 ft. S. of rd., in root of 18-in. black-oak tree; copper nail and washer	1,164.09
Pomona, 3.5 mi. E. of, along County Route N, center of S $\frac{1}{2}$ sec. 5, T. 25 N., R. 8 W., 33 ft. N. and 55 ft. E. from highway at rd. N., in concrete post; standard tablet stamped "T T 1464 E R A 1935"	1,158.453
Pomona, about 4.5 mi. E. of, along County Route N, near center of S $\frac{1}{2}$ sec. 4, T. 25 N., R. 8 W., 60 ft. N. of cornerstone at crossroad, in root of 24-in. oak tree; copper nail and washer	1,108.20
Pomona, about 5.2 mi. E. of, cor. secs. 3, 4, 9, and 10, T. 25 N., R. 8 W., 300 ft. W. of dwelling of W. W. Brown, in root of 36-in. oak tree; copper nail and washer	1,083.63

Pomona, about 6.2 mi. E. of, along County Route N, near cor. secs. 2, 3, 10, and 11, T. 25 N., R. 8 W., 250 ft. W. of dwelling of Sid Boss, 40 ft. N. and 20 ft. E. from junction of rd. N., in corner fence post; spike	Feet 1,072.12
White Church, 1.4 mi. N. of, on rd. to Mountain View, about 0.3 mi. S. of N. cor. secs. 1 and 2, T. 25 N., R. 8 W., 600 ft. N. of dwelling of M. J. Jackson, 10 ft. W. of rd., on N. end of concrete culvert; chiseled square	1,061.98
Tps. 25 and 26 N., R. 8 W., near W. sixteenth cor. between secs. 1 and 36, 800 ft. SE. of Ayers dwelling near crossroads, in root of 30-in. twin oak tree; copper nail and washer	1,100.54
Tps. 25 and 26 N., R. 7 and 8 W., cor. of, 300 ft. S. of dwelling of John Boss, 12 ft. S. of T-rd. N., in root of 16-in. oak tree; copper nail and washer	1,058.56
Tps. 25 and 26 N., R. 7 W., 280 ft. E. of cor. secs. 5, 6, 31, and 32, 100 ft. S. of rd., in root of 24-in. oak tree; copper nail and washer	1,078.35

(Continued in Montier quadrangle; see line 4.)

4. FROM WILLOW SPRINGS SOUTHWEST TO WEST BORDER OF QUADRANGLE (by E. J. Noonan in 1936)

U.S.C. & G.S. standard disk stamped "Z 7 1928"	1,257.442
U.S.C. & G.S. standard disk stamped "A 8 1928"	1,252.750
T-rd. N., 50 ft. N. and 145 ft. E. from, in root on W. side of 10-in. oak tree; crossed nails	1,260.41
T. 27 N., R. 9 and 10 W., cor. secs. 25, 30, 31, and 36, 450 ft. S. of crossroads, on top of E. head wall of concrete culvert; chiseled square	1,269.76
Corrugated iron pipe culvert, 95 ft. S. of, 20 ft. E. of rd., in root on W. side of 12-in. oak tree; crossed nails	1,299.50
Tps. 26 and 27 N., R. 9 and 10 W., cor. of, 475 ft. S. and 20 ft. E. from T-rd. E., in root on E. side of 16-in. oak tree; copper nail and washer	1,327.73
Rd. at fences N.-S., 70 ft. N. and 390 ft. W. from, in root on W. side of 24-in. oak tree; crossed nails	1,293.57

(Continued in Topaz quadrangle; see line 4.)

5. FROM WEST BORDER OF QUADRANGLE EAST ALONG STATE HIGHWAY 14 TO ST. LOUIS-SAN FRANCISCO RAILWAY
(Continued from Topaz quadrangle; see line 6.)

T. 25 N., R. 10 W., in SE $\frac{1}{4}$ sec. 36, 40 ft. N. of State Highway 14 at crossroad, 300 ft. N. of store of A. Lindsay, in root on S. side of 24-in. white-oak tree; copper nail and washer	1,193.81
State Highway 14 at curve NE $\frac{1}{4}$, 50 ft. S. of, at 12-in. white-oak tree; surface of ground	1,183.6
T. 25 N., R. 9 W., in NW $\frac{1}{4}$ sec. 31, along State Highway 14, at junction of rd. S., 240 ft. W. of old dwelling, 50 ft. S. of highway, in root on N. side of 14-in. oak tree; copper nail and washer	1,165.88
Junction of dim trail NE $\frac{1}{4}$, 55 ft. N. and 55 ft. E. from, in root on S. side of 10-in. white-oak tree; crossed nails	1,195.14
T. 25 N., R. 9 W., near line between secs. 32 and 33, 32 ft. S. and 28 ft. E. from State Highway 14 at N.-S. crossroad, in concrete post; standard tablet stamped "T T 149 B 1932"	1,220.094
Reference mark, 20 ft. S. and 60 ft. W. from tablet, in root on N. side of 12-in. white-oak tree; copper nail and washer	1,222.02
Junction of private rds. SW. and N., 55 ft. S. and 40 ft. W. from, in root on S. side of 10-in. white-oak tree; crossed nails	1,223.19
Junction of U.S. Highway 63 and State Highway 14, 2.2 mi. W. of, 30 ft. N. and 45 ft. W. from Highway 14 at crossroad, in root on S. side of 10-in. white-oak tree; copper nail and washer	1,211.01
Junction of rd. N., 180 ft. N. and 60 ft. W. from, in root on S. side of 16-in. white-oak tree; crossed nails	1,232.44
Junction of U.S. Highway 63 and State Highway 14, 1 mi. W. of, 30 ft. N. and 35 ft. E. from Highway 14 at crossroad, 20 ft. S. and 65 ft. W. from SW. corner of dwelling of Fred Williams, in root on S. side of 24-in. white-oak tree; copper nail and washer	1,253.66
Junction of trail SW $\frac{1}{4}$, 35 ft. N. and 10 ft. E. from, in root on W. side of 15-in. hickory tree; crossed nails	1,244.10
West Plains, 5 mi. N. of, 85 ft. N. and 60 ft. E. from junction of U.S. Highway 63 and State Highway 14, in root on E. side of 8-in. post-oak tree; copper nail and washer	1,192.57
U.S.C. & G.S. standard disk stamped "J 8 1928"	1,169.145

6. FROM EAST BORDER OF QUADRANGLE WEST TO POINT ABOUT 1.2 MILES SOUTH OF WHITE CHURCH (by F. Y. Brown and E. J. Noonan in 1936)

(Continued from Montier quadrangle; see line 5.)

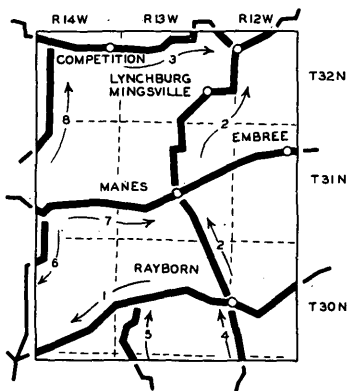
T-rd. S., 18 ft. S. and 45 ft. E. from, 0.8 mi. W. of Peace Valley, in root on W. side of 18-in. black-oak tree; crossed nails	1,043.13
Peace Valley, about 0.9 mi. SW. of, near S. sixteenth cor. sec. 18, T. 25 N., R. 7 W., 70 ft. N. and 15 ft. E. from T-rd. W., in root on W. side of 16-in. hickory tree; copper nail and washer	1,037.61
T-rd. W., 15 ft. E. of, in root on N. side of 36-in. black-oak tree; crossed nails	1,071.59

. 25 N., Rs. 7 and 8 W., 15 ft. S. and 10 ft. W. from cor. secs. 13, 18, 19, and 24, opposite fence N., in root on N. side of 16-in. black-oak tree; copper nail and washer	Feet 1,066.45
T-rd. N., 18 ft. N. and 40 ft. W. from, in post at fence corner; spike	1,064.51
T. 25 N., R. 8 W., 390 ft. N. and 23 ft. W. from cor. secs. 13, 14, 23, and 24, 23 ft. W. of rd., 3 ft. W. of fence, in root on N. side of 36-in. black-oak tree; copper nail and washer	1,074.71
7. SOUTH ALONG WEST BORDER OF QUADRANGLE (by C. W. Williams and W. V. Kennedy in 1937)	
U.S.C. & G.S. standard disk stamped "C 8 1928"	1,262.484
U.S.C. & G.S. standard disk stamped "D 8 1928"	1,339.728
T. 26 N., R. 9 W., W. quarter cor. sec. 18, 15 ft. N. and 50 ft. E. from crossroads, in root on W. side of 12-in. walnut tree; copper nail and washer	1,225.78
T. 26 N., R. 9 W., in NW $\frac{1}{4}$ sec. 19, 9 ft. S. and 22 ft. W. from T-lane E., in root on E. side of 16-in. white-oak tree; copper nail and washer	1,207.96
T. 26 N., R. 9 W., W. cor. secs. 19 and 30, 91 ft. S. and 16 ft. W. from T-rd. E., 11 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 54 W 1937"	1,256.995
T. 26 N., Rs. 9 and 10 W., S. sixteenth cor. between secs. 25 and 30, 38 ft. N. and 33 ft. W. from T-rd. W., in root on NE. side of 10-in. post-oak tree; copper nail and washer	1,200.04
Tps. 25 and 26 N., Rs. 9 and 10 W., cor. of, 25 ft. N. and 18 ft. W. from crossroads, in root on SE. side of 14-in. hickory tree; copper nail and washer	1,179.48
T. 25 N., R. 9 W., W. cor. secs. 6 and 7, 529 ft. S. and 6 ft. W. from T-rd. E., 19 ft. S. and 6 ft. W. from rd. corner N.-W., 2 ft. N. of fence, in concrete post; standard tablet stamped "T T 55 W 1937"	1,115.327
Reference mark, 35 ft. E. of tablet, in root on S. side of 13-in. oak tree; copper nail and washer	1,117.38
T. 25 N., R. 10 W., quarter cor. between secs. 1 and 12, 18 ft. N. of rd. at cleared right-of-way S., about 400 ft. W. of farmhouse, in root on S. side of 14-in. black-oak tree; copper nail and washer	1,144.07
Junction of rd. and cleared right-of-way, 4 ft. N. and 20 ft. W. from, in root on SE. side of 18-in. post-oak tree; crossed nails	1,136.73
T. 25 N., R. 10 W., near S. sixteenth cor. sec. 12, 50 ft. W. of junction of trail S. on cleared right-of-way, in root on W. side of 32-in. water-oak tree; copper nail and washer	1,105.24
Rd. fork NW., 10 ft. W. of, in root on E. side of 24-in. black-oak tree; crossed nails	1,108.90
T. 25 N., R. 10 W., near center of SE $\frac{1}{4}$ sec. 13, 15 ft. N. and 20 ft. E. from rd. corner S.-W. and dim trail E., in fence corner, in root on W. side of 12-in. white-oak tree; copper nail and washer	1,007.97
T. 25 N., R. 10 W., E. sixteenth cor. between secs. 13 and 24, 1016 ft. S. and 8 ft. W. from rd. at fence W., 26 ft. N. and 18 ft. W. from rd. fork NE., in concrete post; standard tablet stamped "T T 56 W 1937"	1,096.689
T. 25 N., R. 10 W., in center SE $\frac{1}{4}$ sec. 24, 25 ft. N. and 10 ft. E. from T-rd. NW., in root on SW. side of 28-in. post-oak tree; copper nail and washer	1,031.38
Rd. fork SW., 20 ft. N. and 10 ft. W. from, in root on NE. side of 34-in. water-oak tree; crossed nails	983.03
Turner School, 0.2 mi. NE. of, 45 ft. N. and 20 ft. E. from rd. at ridge rd. N., in root on SW. side of 14-in. black-oak tree; copper nail and washer	1,098.24
T. 25 N., R. 10 W., quarter cor. between secs. 25 and 26, 45 ft. E. of T-rd. W., in root on SW. side of 14-in. black-oak tree; copper nail and washer	1,106.14

For an additional level line along St. Louis-San Francisco Ry., refer to U.S. Coast and Geodetic Survey first-order line, Monett, Mo. to Memphis, Tenn.

MANES QUADRANGLE
(Latitude 37°15'-37°30'; longitude 92°15'-92°30')

Laclede, Texas, and Wright Counties.



1. SOUTHWEST IN SOUTH PART OF QUADRANGLE (by E. W. Gouchenour in 1931)

(Continued from Plum Valley quadrangle; see line 1.)

	Feet
Huggins, 4.2 mi. W. of, on Hartville rd., 0.5 mi. W. of Texas-Wright county line, 40 ft. SE. of rd., in root on N. side of 40-in. red-oak tree; copper nail and washer	1,376.12
Huggins, 5.2 mi. W. of, on Hartville rd., E. sixteenth cor. sec. 20, T. 30 N., R. 12 W., 35 ft. E. of rd. fork W. through gate, in root on N. side of 12-in. white-oak tree; copper nail and washer	1,232.14
T. 30 N., R. 12 W., near quarter cor. between secs. 19 and 20, 45 ft. S. and 15 ft. W. from S. edge of ford across Beaver Creek, 3 ft. N. of fence, in concrete post; standard tablet stamped "18 G 1931"	1,177.958
Reference mark, 12 ft. S. and 6 ft. E. from ford, in root on W. side of 36-in. water-oak tree; copper nail and washer	1,175.15
Manes, 7.5 mi. SE. of, on Mountain Grove rd., at W. quarter cor. sec. 19, T. 30 N., R. 12 W., 17 ft. N. and 25 ft. W. from junction of Hartville-Houston rd. E., in root on E. side of 6-in. oak tree; copper nail and washer	1,340.28
Manes, 7.2 mi. SE. of, along Mountain Grove-Plato rd., 2.5 mi. E. of Rayborn, 40 ft. S. and 45 ft. W. from junction of rd. W., 25 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "19 G 1931"	1,326.244
Reference mark, 30 ft. S. and 25 ft. W. from junction of rd. W., in root on N. side of 18-in. post-oak tree; copper nail and washer	1,320.52
Rayborn, 1.4 mi. E. of post office, on Hartville rd., 0.8 mi. W. of Hopkins School, 25 ft. S. of mail box of E. E. Hutseil, 15 ft. S. of rd., in root on N. side of 36-in. red-oak tree; copper nail and washer	1,307.95
Rayborn, 20 ft. S. and 40 ft. W. from SW. corner of store building, 28 ft. N. of wooden culvert, in root on W. side of triple cottonwood tree; copper nail and washer	1,126.66
Rayborn, about 1 mi. SW. of post office, in NE¼NW¼ sec. 21, T. 30 N., R. 13 W., 30 ft. N. and 15 ft. W. from rd. fork NW¼, 25 ft. N. and 18 ft. E. from large spring, 30 ft. W. of rd., in concrete post; standard tablet stamped "20 G 1931"	1,108.040
Reference mark, 12 ft. S. of tablet, in root on SE. side of 30-in. water-oak tree; copper nail and washer	1,108.36
Rayborn, 2.5 mi. W. of post office, along Hartville rd., W. sixteenth cor. between secs. 17 and 20, T. 30 N., R. 13 W., 0.2 mi. NE. of bridge over Whetstone Creek, 30 ft. S. and 75 ft. W. from rd. corner E.-SW., in root on S. side of 20-in. white-oak tree; copper nail and washer	1,084.59
Robinetts School, 0.2 mi. NE. of, 0.8 mi. SW. of bridge over Whetstone Creek, center sec. 19, T. 30 N., R. 13 W., 10 ft. W. of rd., in root on W. side of 18-in. post-oak tree; copper nail and washer	1,141.33
T. 30 N., R. 14 W., in NW. cor. sec. 25, 55 ft. N. and 25 ft. E. from E. edge of Deep Ford across Gasconade River, 27 ft. N. of deep cut in bank at approach to ford, 5 ft. N. of fence, in concrete post; standard tablet stamped "21 G 1931"	1,102.216
Reference mark, 35 ft. NE. of tablet, in root on SW. side of 40-in. water-oak tree; copper nail and washer	1,099.33
Hartville, 5 mi. E. of, 0.2 mi. W. of Deep Ford across Gasconade River, 25 ft. S. and 25 ft. E. from rd. forks, in root on N. side of 15-in. black-oak tree; copper nail and washer	1,124.91
Hartville, 3.5 mi. E. of, 1.7 mi. W. of Deep Ford across Gasconade River, 60 ft. S. and 21 ft. W. from junction of private rd. E. to dwelling of F. W. Todd, in root on N. side of oak tree; copper nail and washer	1,151.53
T. 30 N., R. 14 W., in SW. cor. sec. 34, about 0.5 mi. SW. of NE. end of County Route B, 36 ft. S. of private rd. through gate to pasture, 3 ft. E. of fence, in concrete post; standard tablet stamped "22 G 1931"	1,137.355

	<u>Feet</u>
Reference mark, 40 ft. NE. of tablet, in root on N. side of 36-in. white-oak tree; copper nail and washer	1,136.66
Hartville, 0.8 mi. E. of, on Hartville-Houston rd., 45 ft. S. and 40 ft. W. from rd. fork S., in root on N. side of 40-in. black-oak tree; copper nail and washer	1,206.01

(Continued in Grovespring quadrangle; see line 1.)

2. NORTH IN EAST HALF OF QUADRANGLE

Green Mountain, 2.2 mi. S. of, 6 mi. S. of Manes, along Mountain Grove-Plato rd., near dwelling of Joe Myers, 30 ft. E. of rd., in fence line, in root on NW. side of 15-in. red-oak tree; copper nail and washer	1,384.77
Green Mountain, 1.5 mi. S. of, 5 mi. S. of Manes, along Mountain Grove-Plato rd., in fence corner, in root on W. side of 24-in. red-oak tree; copper nail and washer	1,408.61
Green Mountain, about 3.5 mi. S. of Manes, 24 ft. N. and 37 ft. W. from cross rd., 6 ft. N. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "23 G 1931"	1,430.076
Reference mark, 48 ft. S. and 5 ft. E. from SW. corner of concrete porch of store, in root on NW. side of 30-in. white-oak tree; copper nail and washer	1,432.92
Green Mountain, 1 mi. N. of, 2.7 mi. S. of Manes, along Mountain Grove-Plato rd., 290 ft. NW. of rd. fork E., in root on N. side of 24-in. black-oak tree; copper nail and washer	1,308.51
Manes, 1.8 mi. S. of, 20 ft. N. and 30 ft. E. from rd. fork E., near Ban Diamond's, in root on W. side of 24-in. white-oak tree; copper nail and washer	1,388.80
Manes, 0.8 mi. SE. of, along Mountain Grove-Plato rd., 50 ft. N. of dim rd. fork NE., in root on W. side of 24-in. white-oak tree; copper nail and washer	1,315.30
Manes, in top of concrete platform of village well; standard tablet stamped "24 G 1931"	1,324.291
Manes, 1 mi. N. of, along Mountain Grove-Plato rd., 25 ft. E. of rd. fork W., in fence line, in root on E. side of 18-in. post-oak tree; copper nail and washer	1,275.69
Manes, 2.2 mi. N. of, along Mountain Grove-Plato rd., 75 ft. S. and 35 ft. E. from rd. fork S., in root on E. side of 8-in. red-oak tree; copper nail and washer	1,266.96
Manes, 2.9 mi. N. of, along Mountain Grove-Plato rd., 0.2 mi. SE. of Austin's store, 12 ft. S. and 21 ft. W. from junction of rd. E. to Lynchburg and Plato, in concrete post; standard tablet stamped "25 G 1931"	1,261.841
Reference mark, 55 ft. N. and 35 ft. E. from rd. fork E., in root on W. side of lone white-oak tree; copper nail and washer	1,261.26
Manes, 3 mi. N., thence 1.1 mi. E. from, 0.2 mi. E. of ford across Beaver Creek, 30 ft. W. of SE. corner of field, 10 ft. N. of rd., in root on S. side of 24-in. white-oak tree; copper nail and washer	1,118.75
Manes, 3 mi. N., thence 2.1 mi. E. from, 18 ft. S. and 33 ft. W. from rd. corner W.-N., in root on N. side of 20-in. hickory tree; copper nail and washer	1,126.38
Manes, 3 mi. N., thence 3.3 mi. E. from, on rd. to Lynchburg, 30 ft. S. and 15 ft. W. from junction of rd. W. to Mingsville, 18 ft. S. end 3 ft. W. from fence corner, in concrete post; standard tablet stamped "26 G 1931"	1,110.036
Reference mark, 65 ft. S. and 20 ft. E. from rd. fork S., in root of 30-in. sycamore tree; copper nail and washer	1,112.90
Mingsville, 1.5 mi. NE. of, 7.4 mi. NE. of Manes, along Mountain Grove-Plato rd., 20 ft. N. of rd. opposite dwelling of Addie Wilson, in root on S. side of 18-in. black-oak tree; copper nail and washer	1,269.10
Plato, 7 mi. S. of, along Mountain Grove-Plato rd., on E. edge of timber rd., in root on W. side of 20-in. red-oak tree; copper nail and washer	1,358.05
Lynchburg, 1.4 mi. S. of, along Mountain Grove-Plato rd., 25 ft. S. and 45 ft. W. from rd. in line with private drive to dwelling of W. C. Dorris, in SE. corner of barnyard, in concrete post; standard tablet stamped "27 G 1931"	1,401.563
Reference mark, 15 ft. S. and 25 ft. E. from tablet, in root on SW. side of 24-in. black-oak tree; copper nail and washer	1,400.23
Lynchburg, 0.2 mi. S. of, on W. edge of community picnic grounds, 18 ft. E. of rd., 15 ft. W. of NW. corner of southernmost concession stand, in root on W. side of 30-in. post-oak tree; copper nail and washer	1,386.96
Lynchburg, 0.6 mi. NE. of, 3.8 mi. S. of Plato, 20 ft. S. of rd., 10 ft. W. of gate to barnyard of W. S. Fulka, in root on N. side of 24-in. post-oak tree; copper nail and washer	1,345.50
Plato, 3 mi. SW. of, at quarter cor. between secs. 8 and 9, T. 32 N., R. 12 W., 9 ft. N. and 60 ft. W. from SW. corner of Sycamore School, in schoolyard, in concrete post; standard tablet stamped "28 G 1931"	1,316.481
Reference mark, 48 ft. N. of tablet, in root on W. side of 18-in. post-oak tree; copper nail and washer	1,318.60

(Continued in Drynob quadrangle; see line 5.)

3. EAST ALONG NORTH BORDER OF QUADRANGLE (by Cornish Beck in 1935)
(Continued from Grovespring quadrangle; see line 4.)

	Foot
Competition, 4 mi. W. of, 52 ft. S. and 435 ft. W. from rd. at fence S. at approximate center of S $\frac{1}{2}$ sec. 8, T. 32 N., R. 14 W., 119 ft. N. and 28 ft. W. from NW. corner of McBride Church, in NW. corner of churchyard, in concrete post; standard tablet stamped "1281 E R A 1935"	1,182.911
T. 32 N., R. 14 W., about 475 ft. E. of SW. cor. sec. 9, 25 ft. S. and 40 ft. E. from rd. at lane S., in root on NW. side of 20-in. post oak tree; copper nail and washer	1,234.53
T. 32 N., R. 14 W., near SW. cor. sec. 10, 20 ft. N. and 5 ft. E. from junction of dim rd. S., in root on S. side of 7-in. water-oak tree; copper nail and washer	1,264.41
Competition, 1 mi. W. of, 50 ft. N. and 400 ft. E. from rd. at fences N. and S. at approximate W. sixteenth cor. between secs. 11 and 14, T. 32 N., R. 14 W., 53 ft. S. and 40 ft. E. from SE. corner of dwelling of R. A. Stewart, 2 ft. W. of garden fence, in concrete post; standard tablet stamped "1282 E R A 1935"	1,166.497
Competition, about 0.2 mi. N. of, in NW $\frac{1}{4}$ sec. 13, T. 32 N., R. 14 W., 250 ft. NE. of rd. forks, 20 ft. N. of rd., in gatepost, in root on SE. side of 30-in. white-oak tree; copper nail and washer	1,070.28
Competition, 0.8 mi. E. and 0.2 mi. N. from, in NE $\frac{1}{4}$ sec. 13, T. 32 N., R. 14 W., 510 ft. SE. along rd. from T-rd. N., 5 ft. E. of yard gate at dwelling of S. A. Pike, 25 ft. S. of rd., in root on NE. side of 24-in. maple tree; copper nail and washer	1,157.13
T. 32 N., R. 13 W., in sec. 7, on the SE. wing wall of bridge across Oagconade River, chiseled square	991.45
Competition, 2 mi. E. of, about 33 ft. N. and 680 ft. E. from cor. Secs. 7, 6, 17, and 18, T. 32 N., R. 13 W., 33 ft. N. of rd., 62 ft. S. and 26 ft. W. from SW. corner of dwelling of M. F. Rittenburg, 22 ft. SW. of 10-in. cedar tree, in concrete post; standard tablet stamped "1283 E R A 1935"	1,161.042
T. 32 N., R. 13 W., S. sixteenth cor. between secs. 8 and 9, 9 ft. W. of rd. forks, in root on S. side of 24-in. post-oak tree; copper nail and washer	1,257.08
T. 32 N., R. 13 W., in NE $\frac{1}{4}$ sec. 9, 5 ft. S. and 50 ft. W. from crossroads, in root on SW. side of 24-in. white-oak tree; copper nail and washer	1,262.85
(For balance in Drynob quadrangle, see line 6.)	
Lynchburg, 0.2 mi. N. of, center sec. 7, T. 32 N., R. 12 W., 40 ft. W. of rd., 30 ft. N. and 36 ft. E. from NE. corner of dwelling of W. E. Lee, 6 ft. S. and 2 ft. E. from NE. corner of yard fence, in concrete post; standard tablet stamped "1285 E R A 1935"	1,351.118

4. FROM SOUTH BORDER OF QUADRANGLE NORTH TO RAYBORN (by B. A. Barnes in 1935)
(Continued from Macomb quadrangle; see line 1.)

Dawson School, about 0.4 mi. N. of, along County Route A, about 320 ft. S. of quarter cor. between secs. 31 and 36, T. 30 N., R. 12 and 13 W., 26 ft. W. of highway, 85 ft. SE. of SE. corner of dwelling, in SE. corner of yard, in concrete post; standard tablet stamped "T T 1199 E R A 1935"	1,450.941
T. 30 N., R. 12 and 13 W., on line between secs. 25 and 30, at bottom of very steep hill, on S. end of W. head wall of concrete culvert; chiseled square	1,333.05
T. 30 N., R. 13 W., in NE $\frac{1}{4}$ sec. 24, 200 ft. N. of lane to dwelling, W. of County Route A, in root of white-oak tree; copper nail and washer	1,347.77

5. FROM CENTER OF SOUTH BORDER OF QUADRANGLE NORTH ABOUT FIVE MILES (by T. G. Drummond in 1936)
(Continued from Macomb quadrangle; see line 4.)

Cascade, 2.8 mi. N. of, along County Route E, 12 ft. N. and 26 ft. E. from highway at dim rds. E. and W., in root on W. side of 6-in. black-oak tree; copper nail and washer	1,363.72
T. 30 N., R. 13 W., in SE $\frac{1}{4}$ sec. 31, 32 ft. W. of County Route E, 18 ft. N. of rd. on township line, 56 ft. N. and 18 ft. E. from NE. corner of Talmadge store, in concrete post; standard tablet stamped "1918 E R A 1935"	1,364.147
Hartville, 6 mi. E. of, along County Route B, in SW $\frac{1}{4}$ sec. 30, T. 30 N., R. 13 W., 78 ft. S. and 60 ft. W. from junction of County Routes B and E, in root on N. side of 12-in. hickory tree; copper nail and washer	1,317.95
Hartville, 7.8 mi. E. of, along County Route B, 60 ft. S. and 30 ft. W. from highway at rd. SE., in root on S. side of 12-in. black-oak tree; copper nail and washer	1,324.53
Hartville, 7.7 mi. E. of, along County Route B, 35 ft. S. and 35 ft. E. from highway at rd. W., in root on S. side of 10-in. post-oak tree; copper nail and washer	1,178.46

6. SOUTH NEAR CENTER OF WEST BORDER OF QUADRANGLE (by C. W. Williams in 1936-37)
(Continued from Grovespring quadrangle; see line 6.)

T. 31 N., R. 14 W., center sec. 32, 23 ft. N. and 23 ft. E. from crossroads, 31 ft. S. and 32 ft. W. from SW. corner of store of Sam Craven, in concrete post; standard tablet stamped "1910 E R A 1935"	1,359.938
Reference mark, on W. end of concrete step to store; chiseled square	1,361.03

T. 30 N., R. 14 W., center sec. 5, 20 ft. N. and 18 ft. E. from rd. at fence W. and private rd. E., in root on SW. side of 26-in. post-oak tree; copper nail and washer	Feet 1,429.65
Rd. corner N.-W. and dim rd. E., in root on W. side of twin mulberry tree; crossed nails	1,406.07

(Continued in Grovespring quadrangle; see line 6.)

7. EAST THROUGH CENTER OF QUADRANGLE

Rd. corner N.-W. and dim rd. E., on E. side of rd., in root on W. side of 12-in. post-oak tree; crossed nails	1,368.56
T. 31 N., R. 14 W., in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 33, near rd. corner, on N. side of rd., in root on N. side of 30-in. black-oak tree; copper nail and washer	1,412.45
T. 31 N., R. 14 W., in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, 20 ft. S. and 68 ft. W. from center of triangle formed by rd. forks, in root on E. side of 30-in. black-oak tree; copper nail and washer	1,390.37
T. 31 N., R. 14 W., in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, 58 ft. S. and 28 ft. W. from SW. corner of farmhouse of R. T. Lowler, 20 ft. S. of rd., in root on NE. side of 30-in. white-oak tree; copper nail and washer	1,330.53
St. George, 0.8 mi. S. of, 14 ft. N. and 50 ft. E. from crossroads at N. sixteenth cor. sec. 26, T. 31 N., R. 14 W., 35 ft. S. and 39 ft. W. from SW. corner of Cope Church, in concrete post; standard tablet stamped "1911 E R A 1935"	1,329.314
T. 31 N., R. 14 W., N. sixteenth cor. sec. 25, 18 ft. N. and 30 ft. W. from T-rd. N., in root on SW. side of 23-in. oak tree; copper nail and washer	1,313.31
T. 31 N., R. 13 W., E. sixteenth cor. sec. 30, 20 ft. S. and 20 ft. E. from T-rd. S., in root on W. side of 15-in. white-oak tree; copper nail and washer	1,159.77
Manes, 2 mi. SW. of, in NW $\frac{1}{4}$ sec. 29, T. 31 N., R. 13 W., 8 ft. S. and 61 ft. E. from E. end of bridge over Gasconade River, 8 ft. S. of triangular-blazed 20-in. post-oak tree, in concrete post; standard tablet stamped "1912 E R A 1935"	1,071.175
T. 31 N., R. 13 W., in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, 30 ft. S. and 44 ft. W. from rd. forks, in root on S. side of 20-in. oak tree; copper nail and washer	1,283.45
Manes, in top of concrete platform of village well; standard tablet stamped "24 G 1931"	1,324.291
Reference mark, 5 ft. N. and 135 ft. E. from tablet, at NE. corner of Walker Cafe, on NE. corner of sidewalk; chiseled square	1,327.56
T. 31 N., R. 13 W., near cor. secs. 14, 15, 22, and 23, on railing at NE. corner of concrete bridge over Beaver Creek; chiseled square	1,079.96
Rd. forks, S. side of rd., in root on NW. side of 13-in. post-oak tree; crossed nails	1,125.67
T. 31 N., R. 13 W., near N. sixteenth cor. sec. 14, 12 ft. N. and 20 ft. E. from T-rd. E., in root on NE. side of 12-in. white-oak tree; copper nail and washer	1,216.51
T. 31 N., R. 13 W., in NE $\frac{1}{4}$ sec. 14, 89 ft. S. and 15 ft. W. from SE. corner of dwelling of C. E. Washburn, 28 ft. N. of garage, 20 ft. E. of barnyard gate, in concrete post; standard tablet stamped "1913 E R A 1935"	1,243.425
Reference mark, 129 ft. E. of tablet, in root on NW. side of 20-in. post-oak tree; copper nail and washer	1,243.12
T. 31 N., R. 13 W., center SE $\frac{1}{4}$ sec. 12, 32 ft. S. and 5 ft. E. from T-rd. N., in root on NE. side of 28-in. black-oak tree; copper nail and washer	1,407.10
T. 31 N., R. 12 W., on line between secs. 7 and 8, 20 ft. N. and 9 ft. E. from T-rd. S., in root on N. side of 15-in. white-oak tree; copper nail and washer	1,421.56
T. 31 N., R. 12 W., in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, 244 ft. S. and 92 ft. E. from SE. corner of Rose School, 64 ft. N. and 58 ft. W. from rd. forks, in concrete post; standard tablet stamped "1914 E R A 1935"	1,482.699
T. 31 N., R. 12 W., NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, 30 ft. S. and 8 ft. E. from T-rd. N., in root on NW. side of 28-in. post-oak tree; copper nail and washer	1,510.01
Embrée, at E. edge of, center of NE $\frac{1}{4}$ sec. 9, T. 31 N., R. 12 W., 36 ft. S. and 10 ft. E. from T-rd. S., in root on NE. side of 14-in. catalpa tree; copper nail and washer	1,490.10

8. FROM CENTER OF NORTH HALF OF WEST BORDER OF QUADRANGLE NORTH TO NORTHWEST CORNER

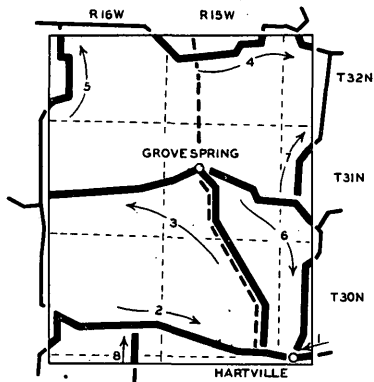
(Continued from Grovespring quadrangle; see line 7.)

T. 31 N., R. 14 W., in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, 12 ft. S. and 34 ft. E. from W. point of triangle formed by rd. forks, in root on W. side of 40-in. black-oak tree; copper nail and washer	1,286.37
T. 31 N., R. 14 W., 12 ft. N. and 3 ft. E. from stone at W. sixteenth cor. sec. 4, 18 ft. E. of rd. at fence E., in root on W. side of 24-in. post-oak tree; copper nail and washer	1,276.96
T. 32 N., R. 14 W., in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, 61 ft. W. of rd., 58 ft. S. and 10 ft. E. from SE. corner of Claxton Church, 4 ft. S. and 30 ft. W. from 16-in. hickory tree, in concrete post; standard tablet stamped "1921 E R A 1935"	1,125.750
T-rd. N., 25 ft. N. of, in root on NW. side of small oak tree; crossed nails	1,081.42
T. 32 N., R. 14 W., in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, 16 ft. S. and 21 ft. W. from T-rd. W., in root on E. side of 16-in. post-oak tree; copper nail and washer	1,214.83
T. 32 N., R. 14 W., center sec. 29, 11 ft. N. and 24 ft. E. from T-rd. N., in root on W. side of 12-in. post-oak tree; copper nail and washer	1,235.22
T-rd. W., SW. of, in root on NE. side of 18-in. black-oak tree; crossed nails	1,289.69

T. 32 N., R. 14 W., near line between secs. 21 and 28, 22 ft. N. and 16 ft. E. from rd. forks, in root on SE. side of 10-in. post-oak tree; copper nail and washer	<u>Feet</u> 1,241.88
T. 32 N., R. 14 W., 67 ft. S. and 12 ft. W. from pile of rock at S. cor. secs. 21 and 22, 5 ft. S. and 29 ft. E. from fence corner, in line with rd. N., in concrete post; standard tablet stamped "1922 E R A 1935"	1,290.041
T. 32 N., R. 14 W., in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, 15 ft. E. of rd. forks, in root on W. side of twin white-oak tree; copper nail and washer	1,291.02

GROVESPRING QUADRANGLE
(Latitude 37°15'-37°30'; longitude 92°30'-92°45')

Laclede, Webster, and Wright Counties



1. IN SOUTHEAST CORNER OF QUADRANGLE (by E. W. Gouchenour in 1931)
(Continued from Manea quadrangle; see line 1.)

Hartville, at E. entrance to courthouse lawn, 4 ft. S. of S. edge of sidewalk, 3 ft. W. of retaining wall of lawn, in concrete post; standard tablet stamped "62 G 1931"	1,198.954
Reference mark, 6 ft. N. of N. edge of concrete steps of E. retaining wall, on top of rock wall; chiseled square	1,198.52

2. EAST ALONG SOUTH BORDER OF QUADRANGLE (by C. E. Reick in 1932)
(Continued from Niangua quadrangle; see line 5.)

T. 30 N., R. 16 W., about 0.3 mi. N. of SW. cor. sec. 31, 400 ft. S. of mail box of Charles Hayes, 100 ft. E. of rd., in root of 18-in. oak tree; copper nail	1,558.96
T. 30 N., Rs. 16 and 17 W., about 0.2 mi. S. of quarter cor. between secs. 31 and 36, 50 ft. E. of rd., on boulder; chiseled square	1,538.15
Duncan, about 3.2 mi. W. of, near N. sixteenth cor. between secs. 25 and 30, T. 30 N., Rs. 16 and 17 W., 25 ft. S. and 55 ft. E. from T-rd. E., 2 ft. S. and 11 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 110 B 1932"	1,481.453
Reference mark, 200 ft. E. of tablet, on small boulder; chiseled square	1,472.17
Duncan, 2.4 mi. W. of, 170 ft. E. of schoolhouse, 15 ft. S. of rd., in root of 20-in. oak tree; copper nail	1,570.80
Duncan, 1 mi. W. of, 40 ft. NE. of rd. fork N. to farm of Van Hooser, in root of 20-in. oak tree; copper nail	1,395.53
Duncan, 1 mi. E. of, 50 ft. E. of quarter cor. between secs. 26 and 27, T. 30 N., R. 16 W., on boulder; chiseled square	1,493.72
Duncan, 2.4 mi. E. of, in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, T. 30 N., R. 16 W., on N. side of Hartville rd. opposite gate to pasture, in root of 20-in. oak tree; copper nail	1,424.37
Odin, 1.6 mi. NW. of, 10 ft. S. and 17 ft. E. from quarter cor. between secs. 25 and 30, T. 30 N., Rs. 15 and 16 W., 20 ft. N. and 17 ft. E. from rd. forks, in concrete post; standard tablet stamped "T T 112 B 1932"	1,344.736
Reference mark, about 0.2 mi. E. of tablet, at crossing of stream, on boulder; chiseled square	1,300.57
Odin, 0.2 mi. W. of, 20 ft. S. of rd., in line with rd. N., in root of 20-in. oak tree; copper nail	1,265.86
Odin, 0.8 mi. E. of, SW. of rd. fork S. through gate, in root of 20-in. oak tree; copper nail	1,237.07
Odin, 2 mi. SE. of, in SE $\frac{1}{4}$ sec. 33, T. 30 N., R. 15 W., 5 ft. S. and 135 ft. E. from rd. forks, 48 ft. N. of rd., in concrete post; standard tablet stamped "T T 113 B 1932"	1,235.297
Reference mark, 370 ft. N. and 25 ft. E. from tablet, on ledge; chiseled square	1,242.39
Odin, 3.3 mi. E. of, 75 ft. NE. of rd. fork N., in root of 20-in. oak tree; copper nail	1,381.79

Odin, 3.9 mi. E. of, 60 ft. SW. of rd. fork SE., in root of 18-in. oak tree; copper nail	<u>Feet</u> 1,378.08
Odin, 4.8 mi. E. of, 40 ft. NW. of crossroads, in root of 15-in. oak tree; copper nail	1,461.27
Hartville, 2 mi. NW. of, on State Highway 5, near center of $\frac{1}{2}$ sec. 36, T. 30 N., R. 15 W., 22 ft. N. and 40 ft. E. from highway at crossroad, in concrete post; standard tablet stamped "T T 114 B 1932"	1,450.319
Reference mark, 80 ft. S. of tablet, on W. end of concrete culvert; chiseled square	1,450.21
Hartville, 1.7 mi. N. of, along State Highway 5, NW. of highway at rd. N., on head wall of concrete culvert; chiseled square	1,405.10
Hartville, 0.7 mi. N. of, along State Highway 5, 20 ft. SE. of highway at rd. NE. to Manes, on head wall of concrete culvert; chiseled square	1,240.97

3. FROM POINT 2 MILES NORTHWEST OF HARTVILLE NORTHWEST ALONG STATE HIGHWAY 5 TO GROVESPRING, THENCE WEST TO WEST BORDER OF QUADRANGLE

Hartville, 3.5 mi. NW. of, along State Highway 5, in SE $\frac{1}{4}$ sec. 26, T. 30 N., R. 15 W., NE. of highway at crossroad, on head wall of concrete culvert; chiseled square	1,521.60
Hartville, 4.6 mi. NW. of, along State Highway 5, quarter cor. between secs. 23 and 26, T. 30 N., R. 15 W., E. of highway at rd. W., on head wall of concrete culvert; chiseled square	1,463.07
Hartville, 5.6 mi. NW. of, along State Highway 5, in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T. 30 N., R. 15 W., 45 ft. N. of highway at crossing of old route of highway, in concrete post; standard tablet stamped "T T 115 B 1932"	1,503.298
Reference mark, 660 ft. N. of tablet, on concrete right-of-way post; chiseled cross	1,496.10
Hartville, about 6.6 mi. NW. of, along State Highway 5, near N. sixteenth cor. sec. 14, T. 30 N., R. 15 W., 70 ft. NE. of highway at crossroad, in root of 10-in. oak tree; copper nail	1,507.44
Hartville, 7.6 mi. NW. of, along State Highway 5, 30 ft. E. of highway at rd. W., in root of 20-in. oak tree; copper nail	1,558.75
Hartville, 8.6 mi. N. of, along State Highway 5, near center sec. 10, T. 30 N., R. 15 W., 30 ft. N. and 40 ft. E. from highway at N.-S. crossroad, in concrete post; standard tablet stamped "T T 116 B 1932"	1,495.095
Reference mark, 85 ft. NW. of tablet, on head wall of concrete culvert; chiseled square	1,495.40
Hartville, about 9.3 mi. NW. of, along State Highway 5, in NE $\frac{1}{4}$ sec. 9, T. 30 N., R. 15 W., 30 ft. SE. of highway at crossroad, on concrete right-of-way post; chiseled square	1,471.68
Grovespring, 4.9 mi. SE. of, along State Highway 5, SE. of highway at crossroad, on head wall of concrete culvert; chiseled square	1,470.53
Grovespring, about 3.5 mi. SE. of, along State Highway 5, in SW $\frac{1}{4}$ sec. 28, T. 31 N., R. 15 W., 20 ft. S. and 35 ft. W. from highway at dim crossroad, in concrete post; standard tablet stamped "T T 117 B 1932"	1,464.718
Grovespring, 2.7 mi. SE. of, along State Highway 5, in SW $\frac{1}{4}$ sec. 21, T. 31 N., R. 15 W., 300 ft. N. of highway at rd. W., on head wall of concrete culvert; chiseled square	1,431.40
Grovespring, 2.2 mi. SE. of, along State Highway 5, SE. of highway at rd. E., on head wall of concrete culvert; chiseled square	1,449.71
Grovespring, 0.4 mi. E. of, center of E $\frac{1}{2}$ sec. 17, T. 31 N., R. 15 W., 70 ft. S. and 23 ft. E. from State Highway 5 at crossroad, in churchyard, in concrete post; standard tablet stamped "T T 118 B 1932"	1,326.205
Grovespring, 60 ft. SW. of rd. forks, on NE. corner of concrete porch to store; bolt head	1,295.78
Grovespring, 0.8 mi. W. of, NW. of T-rd. W., in root of 24-in. oak tree; copper nail	1,293.15
Grovespring, 2.3 mi. W. of, in NE $\frac{1}{4}$ sec. 24, T. 31 N., R. 16 W., 20 ft. N. of rd., 250 ft. W. of dwelling of B. M. Price, in fence corner, in concrete post; standard tablet stamped "T T 119 B 1932"	1,343.983
Reference mark, 230 ft. W. of tablet, in root of oak tree; copper nail	1,354.68
Grovespring, about 3.5 mi. W. of, 60 ft. S. of center sec. 23, T. 31 N., R. 16 W., in root of 20-in. oak tree; copper nail	1,442.67
Niangua, 9.8 mi. E. of, near cor. secs. 21, 22, 27, and 28, T. 31 N., R. 16 W., 15 ft. N. and 12 ft. W. from rd. corner, 8 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 120 B 1932"	1,352.188
Reference mark, 550 ft. SW. of tablet, on rock; chiseled square	1,354.64
Niangua, 8.1 mi. E. of, near quarter cor. between secs. 28 and 29, T. 31 N., R. 16 W., 500 ft. W. of dwelling of E. A. Newton, on N. head wall of large concrete culvert; chiseled square	1,242.83
Niangua, 7 mi. E. of, in NE $\frac{1}{4}$ sec. 30, T. 31 N., R. 16 W., 20 ft. S. of rd., 60 ft. S. and 65 ft. W. from SW. corner of dwelling of M. L. Rader, in concrete post; standard tablet stamped "T T 121 B 1932" (Reset 62 ft. N. and 11 ft. W. from above described location by J. W. Fothergill, June 5, 1935.)	1,245.952
Reference mark, 1,000 ft. E. of tablet, on NW. abutment of concrete bridge; chiseled square	1,221.51
Niangua, 5.4 mi. E. of, 40 ft. NW. of rd. fork N., on boulder; chiseled square	1,321.84

(Continued in Niangua quadrangle; see line 6.)

4. EAST ALONG EAST HALF OF NORTH BORDER OF QUADRANGLE (by Cornish Beck in 1935)

(Continued from Lebanon quadrangle; see line 4.)

	<u>Feet</u>
Pease, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 32 N., R. 15 W., 7 ft. S. and 4 ft. E. from NE. corner of concrete block-store building, in concrete post; standard tablet stamped "1278 E R A 1935"	1,089.392
Pease, 1.2 mi. SE. of, in NE $\frac{1}{4}$ sec. 18, T. 32 N., R. 15 W., at top of ridge, 8 ft. N. and 20 ft. W. from rd. forks, in root on SW. side of 20-in. water-oak tree; copper nail and washer	1,289.70
T. 32 N., R. 15 W., near E. sixteenth cor. between secs. 8 and 17, near top of hill, W. of hollow, 10 ft. N. of rd., 3 ft. N. of fence, in root on S. side of leaning, 22-in. post-oak tree; copper nail and washer	1,249.62
T. 32 N., R. 15 W., about 40 ft. N. and 760 ft. W. from quarter cor. between secs. 9 and 16, 1 mi. N. of Laclede-Wright county line, 40 ft. N. and 37 ft. E. from State Highway 5 at E.-W. crossroad, in concrete post; standard tablet stamped "1279 E R A 1935"	1,303.496
T. 32 N., R. 15 W., about 870 ft. W. of quarter cor. between secs. 10 and 15, at foot of hill, 100 ft. N. and 30 ft. E. from log cabin, 35 ft. S. and 15 ft. W. from rd. at spring branch, in root on N. side of 28-in. white-oak tree; copper nail and washer	1,164.81

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

T. 32 N., R. 14 W., near S. sixteenth cor. sec. 7, 65 ft. N. and 55 ft. W. from crossroads, in root on SE. side of 26-in. white-oak tree; copper nail and washer	1,190.17
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(Continued in Manes quadrangle; see line 3.)

5. NORTH ALONG NORTH HALF OF WEST BORDER OF QUADRANGLE (by Cornish Beck in 1935 and T. G. Drummond in 1936)

(Continued from Niangua quadrangle; see line 8.)

T. 31 N., R. 17 W., near center NE $\frac{1}{4}$ sec. 25, 25 ft. W. of rd., 18 ft. N. and 15 ft. W. from fence corner, in root on NE. side of 20-in. white-oak tree; copper nail and washer	1,350.02
T. 31 N., R. 17 W., center NE $\frac{1}{4}$ sec. 24, 8 ft. SW. of rd. corner, in root on SW. side of 26-in. post-oak tree; copper nail and washer	1,298.82
T. 31 N., R. 17 W., in NE $\frac{1}{4}$ sec. 13, 12 ft. NE. of rd. corner, in fence corner, in root on SW. side of 14-in. walnut tree; copper nail and washer	1,194.41
T. 31 N., R. 16 and 17 W., 550 ft. S. of rd. corner at cor. secs. 1, 6, 7, and 12, 51 ft. S. and 25 ft. W. from junction of rd. N., 2 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "1905 E R A 1935"	1,378.935
T-rd. W., at center of triangle formed by, in root on SW. side of 12-in. sycamore tree; paint mark	1,213.51
T-rd. S., 30 ft. N. and 45 ft. E. from, in root on SW. side of 12-in. black-oak tree; nail	1,237.36
Tps. 31 and 32 N., Rs. 16 and 17 W., about 0.2 mi. E. of cor. of, on ridge, 30 ft. E. of dwelling of Ray Randolph, 30 ft. W. of rd., in root on E. side of twin oak tree; copper nail and washer	1,269.68
Rd. corner N.-E., 27 ft. N. and 33 ft. E. from, 150 ft. SW. of dwelling of Oren Bledaee, in root on S. side of 12-in. maple tree; crossed nails	1,255.39
T. 32 N., R. 16 W., N. sixteenth cor. sec. 31, 22 ft. N. and 15 ft. E. from rd. corner N.-E., in root on E. side of 12-in. black-oak tree; copper nail and washer	1,196.81
Rd. fork S., 60 ft. N. and 15 ft. W. from, in root on W. side of 14-in. post-oak tree; crossed nails	1,181.36
Rader, 27 ft. S. and 52 ft. W. from center of W $\frac{1}{2}$ sec. 29, T. 32 N., R. 16 W., 27 ft. S. and 40 ft. W. from T-rd. W., 67 ft. S. of front door of store of John Roper, in concrete post; standard tablet stamped "1906 E R A 1935"	1,145.455
Rd. fork S., 1,000 ft. E. of, at bottom of hill, 90 ft. N. of rd., in root on S. side of 14-in. persimmon tree; crossed nails	1,143.39
T. 32 N., R. 16 W., about 500 ft. N. of quarter cor. between secs. 19 and 30, 45 ft. W. of dwelling of Tom Medlock, 100 ft. E. of rd., in root on W. side of 28-in. maple tree; copper nail and washer	1,251.10
T-rd. W., 15 ft. S. and 115 ft. W. from, in root on NE. side of 16-in. black-oak tree; crossed nails	1,259.31
T. 32 N., R. 16 and 17 W., 300 ft. E. of quarter cor. between secs. 19 and 24, 115 ft. N. of McMahan School, 50 ft. S. of rd., in root on N. side of 24-in. oak tree; copper nail and washer	1,224.47
T. 32 N., R. 16 W., in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, 13 ft. N. and 11 ft. E. from crossroads, 57 ft. N. and 77 ft. W. from NW. corner of dwelling of Edna Miller, in concrete post; standard tablet stamped "1907 E R A 1935"	1,259.267
Rd. at top of ridge, 15 ft. E. of, in root on N. side of 12-in. oak tree; crossed nails	1,235.95
T. 32 N., R. 17 W., in NE $\frac{1}{4}$ sec. 13, 100 ft. N. and 35 ft. E. from T-rd. E. at dwelling of S. E. Colton, 18 ft. W. of rd., in root on NE. side of twin apple tree; copper nail and washer	1,176.61
Wooden bridge over drain, 10 ft. S. and 15 ft. E. from, in root on W. side of 18-in. white-oak tree; crossed nails	1,216.83

6. FROM GROVESPRING EAST TO EAST BORDER OF QUADRANGLE, THENCE SOUTH TO HARTVILLE (by C. W. Williams in 1936)

	<u>Feet</u>
Grovespring, about 1 mi. E. of, 43 ft. N. and 41 ft. W. from T-rd. N. at center sec. 16, T. 31 N., R. 15 W., in root on NE. side of 16-in. post-oak tree; copper nail and washer	1,404.60
Grovespring, about 1.6 mi. SE. of, 35 ft. N. and 68 ft. W. from rd. corner N.-E. at private rd. W. at cor. secs. 15, 16, 21, and 22, T. 31 N., R. 15 W., in root on NE. side of 13-in. hickory tree; copper nail and washer	1,371.15
T. 31 N., R. 15 W., in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22, 20 ft. E. of rd. junction, 45 ft. W., thence 366 ft. NW. along rd. from NW. corner of dwelling of Omar Prock, in concrete post; standard tablet stamped "1908 E R A 1935"	1,404.452
T. 31 N., R. 15 W., center sec. 23, 5 ft. E. of rd. corner W.-S. at old rd. N., in root on W. side of 14-in. black-jack-oak tree; copper nail and washer	1,420.11
T-rd. S., N. of, in root on SW. side of 13-in. white-oak tree; crossed nails	1,423.61
T. 31 N., R. 15 W., near E. cor. secs. 24 and 25, 15 ft. S. and 7 ft. W. from T-rd. S., in root on N. side of 23-in. oak tree; copper nail and washer	1,316.28
T. 31 N., R. 14 W., in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, 60 ft. S. of SW. corner of dwelling of Jim Burris, 25 ft. S. of rd., 2 ft. N. and 3 ft. W. from NE. corner of garden, in concrete post; standard tablet stamped "1909 E R A 1935"	1,295.577
Bridge, on E. side of rd., in root on NE. side of 10-in. white-oak tree; crossed nails	1,257.11
T. 31 N., R. 14 W., W. sixteenth cor. between secs. 20 and 29, 37 ft. S. and 52 ft. W. from T-rd. W., in root on W. side of 10-in. post-oak tree; copper nail and washer	1,354.16
T. 31 N., R. 14 W., in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, 95 ft. N. and 18 ft. E. from rd. forks NE., S., and NW., in root on SE. side of 13-in. sycamore tree; copper nail and washer	1,225.62

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

T. 30 N., R. 14 W., in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, 25 ft. S. and 23 ft. W. from T-rd. E., in root on E. side of 20-in. black-jack-oak tree; copper nail and washer	1,429.17
T. 30 N., R. 14 W., in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, 40 ft. N. and 46 ft. W. from T-rd. W., in root on E. side of 14-in. white-oak tree; copper nail and washer	1,367.19
T. 30 N., R. 14 W., in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, 12 ft. N. and 66 ft. W. from SW. corner of farmhouse of Everett Gourley, 12 ft. E. of rd., in root on W. side of 26-in. locust tree; copper nail and washer	1,374.84
T. 30 N., R. 14 W., in SW $\frac{1}{4}$ sec. 20, 35 ft. N. and 27 ft. W. from ford across Brush Creek, on property of Roy Curtiss, 6 ft. N. and 6 ft. W. from 14-in. oak tree at SE. corner of fence, in concrete post; standard tablet stamped "1919 E R A 1935"	1,249.566
Rd. forks, in root on NE. side of 14-in. white-oak tree; crossed nails	1,247.25
T. 30 N., R. 14 W., in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, 17 ft. S. and 20 ft. W. from T-rd. E., in root on NE. side of 36-in. oak tree; copper nail and washer	1,230.19
T. 30 N., R. 14 W., in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, on abutment at NE. corner of bridge over Indian Creek; chiseled square	1,210.28
T-rd. W., on E. side of rd., in root on S. side of 14-in. white-oak tree; crossed nails	1,260.69
Rd. fork E., on E. side of rd., on concrete base of corner fence post; painted square	1,336.94
U.S.C. & G.S. standard disk stamped "K 29 1934"	1,169.932

7. NORTH NEAR CENTER OF EAST BORDER OF QUADRANGLE (by C. W. Williams in 1937)

T. 31 N., R. 14 W., W. sixteenth cor. between secs. 20 and 29, 37 ft. S. and 52 ft. W. from T-rd. W., in root on W. side of 10-in. post-oak tree; copper nail and washer	1,354.16
T. 31 N., R. 14 W., NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, 23 ft. N. and 27 ft. E. from T-rd. E., in root on S. side of 40-in. white-oak tree; copper nail and washer	1,361.57
Rd. forks, on E. side of rd., in root on N. side of 16-in. post-oak tree; crossed nails	1,362.92
Durbin School, 1.9 mi. N. of, in NW $\frac{1}{4}$ sec. 17, T. 31 N., R. 14 W., 52 ft. N. and 40 ft. E. from rd. at junction of wood rd. NE., 4 ft. S. and 4 ft. W. from 10-in. oak tree, in concrete post; standard tablet stamped "1920 E R A 1935"	1,304.575
T. 31 N., R. 14 W., in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 8, 127 ft. S. and 15 ft. E. from T-rd. W., in root on S. side of 16-in. black-oak tree; copper nail and washer	1,197.26
Smittle, at S. edge of, 22 ft. N. and 19 ft. W. from crossroads at E. sixteenth cor. between secs. 6 and 7, T. 31 N., R. 14 W., in root on SE. side of 20-in. oak tree; copper nail and washer	1,240.67
Smittle, about 0.5 mi. E. of, near line between secs. 5 and 8, T. 31 N., R. 14 W., 9 ft. N. and 25 ft. E. from ford across Elk Creek, in root on SE. side of 20-in. locust tree; copper nail and washer	1,121.06

(Continued in Manes quadrangle; see line 8.)

8. FROM POINT NEAR CENTER OF WEST HALF OF SOUTH BORDER OF QUADRANGLE
NORTH ABOUT 5 MILES

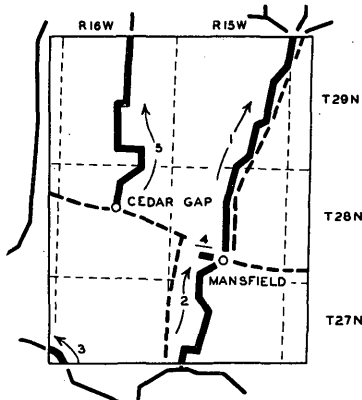
(Continued from Cedar Gap quadrangle; see line 5.)

	Feet
T. 30 N., R. 16 W., center of SW $\frac{1}{4}$ sec. 35, 28 ft. S. and 33 ft. E. from T-rd. W., in root on W. side of 16-in. post-oak tree; copper nail and washer	1,410.16
T. 30 N., R. 16 W., center of SW $\frac{1}{4}$ sec. 26, 16 ft. S. and 18 ft. E. from County Route J at N.-S. crossroad, on S. end of iron culvert; chiseled square	1,521.15
Duncan, in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 30 N., R. 16 W., 37 ft. N. and 59 ft. W. from County Route J at rd. N., 5 ft. N. and 158 ft. E. from SE. corner of store building, in concrete post; standard tablet stamped "T T 111 B 1932"	1,445.713
Reference mark, 20 ft. S. and 75 ft. E. from tablet, on center of N. head wall of concrete culvert; chiseled square	1,443.54
Rd. forks, on W. end of iron culvert; chiseled cross	1,460.60

For an additional level line along State Highway 5, refer to U.S.
Coast and Geodetic Survey second-order line, Mansfield to Versailles.

CEDAR GAP QUADRANGLE
(Latitude 37°00'-37°15'; longitude 92°30'-92°45')

Douglas, Webster, and Wright Counties



1. FROM MANSFIELD NORTHEAST ALONG STATE HIGHWAY 5 TO NORTHEAST
CORNER OF QUADRANGLE (by E. W. Gouchenour in 1931)

U.S.C. & G.S. standard disk stamped "V 6 1928"	1,489.190
Mansfield, 1.1 mi. NE. of, along State Highway 5, at top of hill, 30 ft. E. of highway at curve, in root on W. side of 15-in. black-oak tree; copper nail and washer	1,460.33
Mansfield, 2.3 mi. N. of, along State Highway 5, 85 ft. SE. of highway at rd. W., near mail box of A. W. Gann, in root on W. side of 24-in. white-oak tree; copper nail and washer	1,371.70
Mansfield, 3.4 mi. N. of, along State Highway 5, 9 ft. N. of highway right-of-way, 15 ft. N. of N. gatepost at barnyard of Ira Kelly, inside fence, in concrete post; standard tablet stamped "59 G 1931"	1,501.368
Reference mark, 9 ft. NE. of tablet, in root on W. side of 24-in. white-oak tree; copper nail and washer	1,501.09
Mansfield, 4.4 mi. N. of, along State Highway 5, 30 ft. E. of highway at S. end of curve, in root on W. side of 24-in. white-oak tree; copper nail and washer	1,463.02
Mansfield, 5.5 mi. N. of, along State Highway 5, 40 ft. S. and 20 ft. W. from highway at rd. W., on W. head wall of concrete culvert; chiseled square	1,424.42
Mansfield, 6.8 mi. N. of, along State Highway 5, 25 ft. N. of T-fence E. at quarter cor. between secs. 23 and 24, T. 29 N., R. 15 W., 35 ft. E. of highway, inside pasture, in concrete post; standard tablet stamped "60 G 1931"	1,370.552
Reference mark, 30 ft. N. and 10 ft. E. from tablet, in root on W. side of 20-in. post-oak tree; copper nail and washer	1,370.22
Hartville, 4 mi. S. of, along State Highway 5, 8 mi. N. of Mansfield, on E. abutment of S. approach to bridge over Licks Fork; chiseled square	1,189.73
Hartville, 3 mi. S. of, along State Highway 5, 12 ft. S. and 5 ft. E. from SW. corner of highway maintenance sta., in root on W. side of 40-in. black-oak tree; copper nail and washer	1,364.54
Hartville, 2.4 mi. S. of, along State Highway 5, 25 ft. S. and 65 ft. E. from junction of rd. E., inside pasture fence, 3 ft. E. of 18-in. bickory tree, in concrete post; standard tablet stamped "61 G 1931"	1,343.235

	Feet
Reference mark, 75 ft. W. of tablet, in root on SW. side of 18-in. white-oak tree; copper nail and washer	1,345.83
Hartville, 1.4 mi. S. of, along State Highway 5, 30 ft. E. of mail box of Orral Clayton, on S. end of steel culvert; chiseled square	1,305.85
Hartville, 0.5 mi. S. of, along State Highway 5, on E. end of S. pier of steel girder of bridge over Woods Fork; chiseled square	1,159.07

2. FROM SOUTH BORDER OF QUADRANGLE NORTHEAST ALONG STATE HIGHWAY 5 TO MANSFIELD (by L. V. Johnson in 1931)
(Continued from Ava quadrangle; see line 1.)

Ava, 6.3 mi. NE. of, along State Highway 5, 1.6 mi. S. of crossing of Bryant Creek, 57 ft. E. of highway at dim rd. E., 15 ft. N. of rd., 63 ft. N. 130° 13' E. of triangular-blazed tree, in concrete post; standard tablet stamped "T T 44 B 1931"	1,361.172
Ava, 7.3 mi. NE. of, along State Highway 5, 0.6 mi. SW. of crossing of Bryant Creek, on S. head wall of concrete culvert; chiseled square	1,110.87
Ava, 7.9 mi. NE. of, along State Highway 5, on SW. abutment of concrete bridge over Bryant Creek; chiseled square	1,054.37
Ava, 9.4 mi. NE. of, along State Highway 5, 970 ft. SE. of Hicks School, 23 ft. N. and 34 ft. E. from highway at rd. E., 17 ft. N. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 45 B 1931"	1,327.103
Ava, 10.7 mi. NE. of, along State Highway 5, 0.8 mi. S. of Douglas-Wright county line, 35 ft. S. and 27 ft. E. from highway opposite dwelling of C. J. Crane, in root on E. side of triangular-blazed, small oak tree; copper nail and washer	1,334.65
Ava, 11.5 mi. NE. of, along State Highway 5, 34 ft. N. and 23 ft. E. from highway at rd. W. on Douglas-Wright county line, in top of head wall of concrete culvert; standard tablet stamped "T T 46 B 1931"	1,397.228
Reference mark, on opposite head wall of same culvert; chiseled square	1,399.11
Mansfield, junction of U.S. Highway 60 and State Highway 5, 2.6 mi. S. of, along State Highway 5, 1.1 mi. N. of Douglas-Wright county line, on W. end of N. head wall of concrete culvert; chiseled square	1,203.48
Mansfield, junction of U.S. Highway 60 and State Highway 5, 1.8 mi. S. of, along State Highway 5, on S. wing wall of concrete bridge over Prairie Hollow; chiseled square	1,219.01
Mansfield, junction of U.S. Highway 60 and State Highway 5, 0.8 mi. S. of, along State Highway 5, 650 ft. SW. of highway at top of hill, 170 ft. E. of junction of rd. S. to farmhouse, 50 ft. NE. of T-fence S., on S. head wall of concrete culvert; chiseled square	1,501.05
Mansfield, 0.6 mi. E. of, along State Highway 5, on SW. wing wall of bridge over St. Louis-San Francisco Ry.; chiseled square	1,533.76

3. IN SOUTHWEST CORNER OF QUADRANGLE (by C. E. Reick in 1932)
(Continued from Ava quadrangle; see line 3.)

Tigris, 2.3 mi. E. of, along State Highway 14, 90 ft. NW. of junction of rd. S., 60 ft. W. of concrete bridge, 15 ft. N. of highway, in concrete post; standard tablet stamped "18 R 1932"	1,166.868
Reference mark, 60 ft. E. of tablet, on N. head wall of bridge; chiseled square	1,167.44

(Continued in Fordland quadrangle; see line 3.)

4. IN CITY OF MANSFIELD (by T. G. Drummond in 1936)

U.S.C. & G.S. standard disk stamped "U 6 1928"	1,498.380
Mansfield, near St. Louis-San Francisco Ry. sta., 200 ft. S. 72° W. of semaphore post, 80 ft. N. 43° W. of NW. corner of Mansfield Hotel, 3 ft. from sidewalk, in fence corner; iron post stamped "Prim Trav Sta No 39 1913 Mo"	1,488.186
U.S.C. & G.S. standard disk stamped "S 29 1934"	1,479.098

5. FROM CEDAR GAP NORTH TO NORTH BORDER OF QUADRANGLE (by C. W. Williams in 1937)

U.S.C. & G.S. standard disk stamped "Q 6 1928"	1,662.313
U.S.C. & G.S. standard disk stamped "R 6 1928"	1,687.146
Cedar Gap, 85 ft. E. of SE. corner of St. Louis-San Francisco Ry. sta., 50 ft. E. of track, 20 ft. W. of W. corner of small, frame dwelling, 2 ft. from corner of yard fence, on top of bank; iron post stamped "Prim Trav Sta No 38 1913"	1,693.795
T-rd. E., 12 ft. N. and 30 ft. E. from, in root on E. side of 20-in. white-oak tree; crossed nails	1,676.64
T. 28 N., R. 16 W., in SW 1/4 sec. 15, 84 ft. S. and 21 ft. E. from U.S. Highway 60 at rd. S. to Cedar Gap, in root on SE. side of 10-in. white-oak tree; copper nail and washer	1,670.39
T. 28 N., R. 16 W., near quarter cor. between secs. 10 and 11, 36 ft. N. and 45 ft. E. from rd. forks, in root on NW. side of 22-in. elm tree; copper nail and washer	1,509.82
T. 28 N., R. 16 W., center NW 1/4 sec. 11, 16 ft. S. and 73 ft. E. from T-rd. E., in root on NW. side of 10-in. locust tree; copper nail and washer	1,499.97
T. 28 N., R. 16 W., cor. secs. 1, 2, 11, and 12, 3 ft. S. and 16 ft. E. from T-rd. W., 8 ft. W. of fence, in concrete post; standard tablet stamped "T T 53 W 1937"	1,423.638
Rd. forks, on E. side of rd., in root on SW. side of 30-in. water-oak tree; crossed nails	1,409.62

T. 28 N., R. 16 W., in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, on top of N. bolt head at NE. corner of bridge over Rippee Fork; chiseled cross	<u>Feet</u> 1,310.55
T. 29 N., R. 16 W., center sec. 35, 107 ft. S. and 30 ft. E. from SE. corner of Pleasant Valley School, in S. corner of triangle formed by rd. forks, in root on S. side of 42-in. post-oak tree; copper nail and washer	1,461.83
Jerico, near E. edge of, in NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, T. 29 N., R. 16 W., 22 ft. N. and 60 ft. W. from rd. forks, 18 ft. N. of rd., on bank, in concrete post; standard tablet "T T 52 W 1937"	1,315.179
T. 29 N., R. 16 W., N. sixteenth cor. between secs. 22 and 23, 178 ft. S. and 71 ft. W. from T-rd. E., in root on E. side of 24-in. walnut tree; copper nail and washer	1,391.24
T-rd. E., in root on SE. side of small post-oak tree; crossed nails	1,517.58
T. 29 N., R. 16 W., cor. secs. 10, 11, 14, and 15, 10 ft. W. of T-rd. E., in root on W. side of triple elm tree; copper nail and washer	1,432.82
T. 29 N., R. 16 W., E. sixteenth cor. sec. 10, 3 ft. S. and 22 ft. W. from rd. corner N.-E., 3 ft. N. and 8 ft. W. from gate, 5 ft. W. of fence, in concrete post; standard tablet stamped "T T 51 W 1937"	1,429.476
Rd. forks, 115 ft. N. of, in root on N. side of 18-in. post-oak tree; crossed nails	1,422.32
T. 29 N., R. 16 W., near quarter cor. between secs. 2 and 3, 33 ft. N. and 53 ft. W. from T-rd. W., in root on SE. side of 34-in. black-oak tree; copper nail and washer	1,396.49
New Grove, near T-rd. W., at SE. corner of store, on center at E. end of concrete base of gasoline pump; chiseled square	1,315.62
T. 29 N., R. 16 W., in NE $\frac{1}{4}$ sec. 3, 13 ft. W. of T-rd. E., in root on E. side of 32-in. white-oak tree; copper nail and washer	1,329.34
T. 29 N., R. 16 W., in NE $\frac{1}{4}$ sec. 3, 17 ft. S. of T-rd. N., 1 ft. S. of fence, in concrete post; standard tablet stamped "T T 50 W 1937"	1,459.334
T-rd. S., on W. side of rd., in root on E. side of twin walnut tree; crossed nails	1,379.25

(Continued in Grovespring quadrangle; see line 8.)

For additional level lines along St. Louis-San Francisco Ry. and State Highway 5, refer to U.S. Coast and Geodetic Survey first-order line, Monett, Mo. to Memphis, Tenn., and second-order lines, Branson to Mansfield and Mansfield to Versailles.