

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

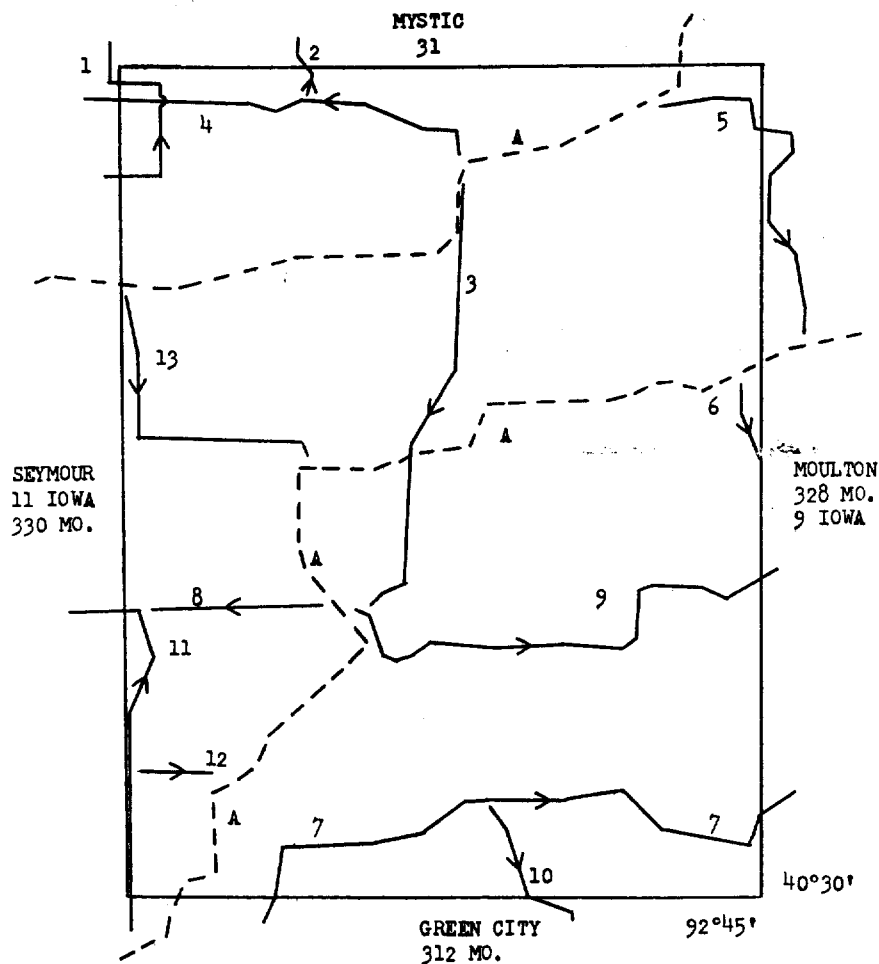
Putnam County, Missouri
Appanoose, County, Iowa

Edition of: 12-14-66

PR; MP/pm

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CENTERVILLE QUADRANGLE
329 MISSOURI, 10 IOWA
N4030-W9245/15
DIAGRAM NK 15-11
CENTERVILLE, IOWA - MO.



USC&GS LEVELING

A. No. 400924

10 D

CENTERVILLE QUADRANGLE
329 MISSOURI - 10 IOWA

LINE 1

FEET

NORTH IN THE NORTHWEST CORNER OF THE QUADRANGLE (K.E. Daly, 1965; CV 1866)

SEYMOUR - 330

0.0 Jerome, 1.5 mi E. of, T. 68 N., R. 19 W., at quarter corner between secs. 1 and 2, 60 ft N. and 15 ft E. of T-rd. S., 15 ft from fenceline in a concrete post; a standard tablet stamped "PTS 3 D 1923 MAC 1930" 1030.700

CENTERVILLE - 10

0.8 UE 30 A, 0.8 mi E. of tablet, T. 68 N., R. 18 and 19 W., near quarter cor. between secs. 1 and 6; 17 ft S., 820 ft W. and 7.7 ft lower than crossroads, S. end of a 2 ft round concrete culvert; chiseled square 1029.64

1.0 Crossroads 1037.4

1.8 Rd. at drain 1012.3

1.8 UE 30 B, 0.8 mi N. and 1.0 mi E. of tablet; T. 69 N., R. 18 and 19 W.; near S. sixteenth cor. between secs. 31 and 36; 22 ft W. and 3.8 ft lower than N.-S. rd. at drain; center of W. headwall of 4 ft concrete box culvert; chiseled square 1008.52

2.5 Centerville, 0.5 mi N. and 6.0 mi W. of; T. 69 N., R. 18 and 19 W., cor. secs. 25, 30, 31 and 36; 44 ft W. and 33 ft S. from center of State Hwy. 2 and N.-S. rd.; in a concrete post; a standard tablet stamped "TT 12 L 1938" 1019.615

2.5 Reference mark, 114.5 ft NW. of tablet, 13.2 ft N. and 149 ft W. of Hwy. at N.-S. rd.; center of N. headwall of a 4 ft concrete culvert; chiseled square 1021.63

SEYMOUR - 330

3.6 UE 12 L A, 1.1 mi W. along State Hwy. 2 from tablet, at a RR. overpass, T. 69 N., R. 19 W.; near cor. secs. 25, 26, 35 and 36; 10 ft SE. of center of track and 1 ft lower; 1 ft W. of center of E. end of N. abutment; chiseled square 987.45

4.4 UE 12 L B, T. 69 N., R. 19 W., on line between secs. 25 and 26; about 0.3 mi S. of cor. secs. 23, 24, 25 and 26; at bridge over walnut creek; on E. side of bridge on SE. rivet head in steel "T" beam cap over piling at S. end of bridge 923.49

RUSSELL - 32

5.6 Reference mark, 390 ft W. of tablet, 28.5 ft S. and 20.5 ft W. of crossroads, top of bolt clamp on W. end of 1.5 ft metal culvert under N.-S. rd. 1001.38

5.7 Plano, 1.0 mi N. and 2.5 mi E. of; T. 69 N., R. 19 W., near cor. secs. 13, 14, 23 and 24; 44 ft N., 368 ft E. and 5.2 ft higher than T-rd. N. of offset crossroads; 4 ft N. and 1 ft E. of SW. cor. of Philadelphia Cemetery in a concrete post projecting 4 in.; a standard tablet stamped "1 KED 1965" 1010.459

LINE 2

NORTH NEAR CENTER OF NORTH BORDER (M.D. Duerk, 1965; CV 1868)

CENTERVILLE - 10

0.0 Centerville, at the First National Bank, 4.5 ft E. of the front (S) entrance, 3 ft W. of the SE. corner of the building, in the top of a limestone block, 4 in. back from the sidewalk, and 3 in. above the sidewalk; a standard USC&GS disk stamped "J 119 1935" 1003.571

LINE 2 (Cont'd)

CENTERVILLE - 10

FEET

- 1.0 UE J A, 1.0 mi N. of BM; near the quarter cor. between secs. 25 and 30; T. 69 N., R. 17 and 18 W., 14 ft NE., 38 ft NW., 4.9 ft lower and normal to Hwy. 60 at E.-W. rd. crossing on top of W. end of a 12 in. round concrete culvert; a chiseled square 976.29
- 1.5 Center of T-rd. W.; copper nail and washer 901.0
- MYSTIC - 31
- 2.0 Reference mark, 75 ft W. of BM; 50 ft S. and 41 ft W. of T-rd. E.; in NE. root of 24 in. walnut tree; a copper nail and washer 900.73
- 2.0 Centerville, at the junction of Hwys. 60 and 2; 1.5 mi N., 0.5 mi E. of; near center between secs. 19 and 30; T. 69 N., R. 17 W., 66.5 ft S., 34.5 ft E. and 0.2 ft higher than T-rd. E.; 26 ft S. and 2 ft W. of a fence corner, 20 ft SE. of power pole; in concrete post; a standard tablet stamped "ET 1 HK 1965" 901.102

LINE 3

SOUTH THENCE SOUTHWEST IN CENTER OF QUADRANGLE (J.M. Lawson, 1938; B 7837)

CENTERVILLE - 10

- Centerville at; on the C.R.I. and P. RR., 5 poles SW. of milepost 336, 162 ft NE. of the center of the C.B. & Q. RR. crossing; at a street crossing; 33 ft NE. of the center of the street, 30 ft NW. of the center of the track and level with the track; US&GS standard disk stamped "G 119 1935" and set in the top of a concrete post 1010.257
- T. 68 N., Rs. 17 and 18 W., 0.25 mi N. of T-rd. E.; at cor. secs. 1, 6, 7 and 12; 70 ft W. and 30 ft N. of T-rd. W.; 30 ft N. and 12 ft E. of E.-W. rd. crossing main track of C.R.I. & P. RR.; on N. side of concrete base of battery box, in N. side of warning signal; chiseled square 1020.41
- T. 68 N., Rs. 17 and 18 W., 30 ft S. and 20 ft N. of center of crossroads cor. secs. 7, 12, 13 and 18; 2 ft NE. of power pole; top of bolt set in concrete block; chiseled square around bolt 1021.50
- T. 68 N., Rs. 17 and 18 W., cor. secs. 13, 18, 19 and 24, 140 ft S. and 31 ft W. from center of crossroads at 3.0 mi S. of Rock Island Depot of Centerville, in concrete post; standard tablet stamped "TT 21 L 1938 RESET 1948" 1012.835
- Center of N. bridge of two bridges 958.7
- T. 68 N., R. 17 and 18 W., 50 ft S. and 30 ft W. of T-rd. E.; and quarter cor. between secs. 19 and 24, in root on NE. side of 24 in. elm tree; (Close to tree trunk and at "V" of two roots) copper nail and washer 980.40
- T. 68 N., R. 17 and 18 W., cor. secs. 19, 24, 25 and 30; 51 ft E. and 5 ft S. of T-rd. W. at; on S. side of private rd. E.; in flat shaped root on the SE. side of 30 in. diameter oak tree; copper nail and washer 999.98
- Center of N. bridge of two bridges 906.7
- T. 68 N., R. 18 W., in E₂ sec. 25, 6 ft N. and 32 ft W. of T-rd. W.; in root on E. side of 15 in. walnut tree; copper nail and washer 909.27
- T. 68 N., R. 17 W., in SW. cor. of sec. 30, 79 ft N. and 24 ft W. of rd. forks N. in pasture, in root of 15 in. hickory tree; copper nail and washer 1000.30
- Center of wooden bridge 926.2

CENTERVILLE QUADRANGLE
329 MISSOURI - 10 IOWA

LINE 3 (Cont'd)

CENTERVILLE - 10

FEET

T. 68 N., Rs. 17 and 18 W., at quarter cor. between NE $\frac{1}{4}$ sec. 36 and NW $\frac{1}{4}$ sec. 31;
25 ft E. of T-rd. W.; 2.5 mi W. of Exline, in concrete post; standard tablet
stamped "TT 22 L 1938" 965.924

Center of wooden bridge 893.2

T. 68 N., R. 18 W., in NW $\frac{1}{4}$ sec. 36, about 700 ft S. of T-rd. E.; on steel bridge over
Walnut Creek; 24 ft S. and 10 ft W. of center of bridge on top of bolt through S. wing-
wall of bridge; chiseled cross 894.53

T. 68 N., R. 18 W., in SW $\frac{1}{4}$ sec. 36; about 500 ft S. of T-rd. W.; 60 ft E. of rd., 93 ft
N. and 58 ft E. of ditch crossing rd., in pasture, in root on W. side of 12 in. elm
tree; copper nail and washer 996.86

Exline, 2.5 mi W. along C.B. & Q. RR. from, 3/8 mi W. of milepost 111, near an old
abandoned coal mine, at a rd. crossing, 30 ft S. of the center of the track, and 30 ft
W. of center of rd.; USCGS standard disk stamped "920.641 W 7 1930" and set in top
of concrete post 920.772

T. 67 N., R. 18 W., in SW $\frac{1}{4}$ sec. 1, 68 ft S. and 36 ft E. of E. T-rd. at Holman School
house, in root on NW. side of large twin elm tree; copper nail and washer 996.25

T. 67 N., R. 18 W., in E. half of sec. 11, 790 ft N. of T-rd. W.; 56 ft N. and 26 ft W.
from center of wooden bridge, in pasture, 4 ft W. of fence; in root on E. side of 40
in. cottonwood tree; copper nail and washer 952.33

T. 67 N., R. 18 W., quarter cor. between secs. 13 and 14, 26 ft S. and 27 ft W. of T-rd.
E.; and dim rd. W. at; in concrete post; standard tablet stamped "TT 23 L 1938" 1005.724

T. 67 N., R. 18 W., in SW $\frac{1}{4}$ sec. 13, at top of hill, 35 ft E. from center of N.-S. rd.
at SW. cor. of barn, on top of corner stone of the foundation of barn; chiseled square 954.17

Center of wooden bridge 892.9

T. 67 N., R. 18 W., in NW $\frac{1}{4}$ sec. 24, 114 ft N. and 73 ft E. of intersection of rd. angle
N.-W., also private rd. E. to house on Iowa-Mo. state line, in pasture, 45 ft E. of
fence, 225 ft NW. of house owned and occupied by Mide Ross, in root on SW. side of
12 in. hickory tree; copper nail and washer 1000.89

T. 67 N., R. 18 W., in NE $\frac{1}{4}$ sec. 27, about 0.7 mi NE. of C.B. & Q. RR. station at Mendota,
28 ft N. of rd. fork SW.; 20 ft NE. of rd., concrete post; standard tablet "TT 67 JJ
1936 1015 RESET 1948" 1014.961

LINE 4

GENERALLY WEST ALONG NORTH BORDER (L.E. Marsden, 1938 B 7838)

CENTERVILLE - 10

Centerville at; at the courthouse at a grass plot, 30 ft E. of the front (S) entrance;
7 ft E. of the projection on the E. side of the entrance, and 3 ft NW. of the sidewalk;
a USCGS standard disk stamped "CENTERVILLE 1934" and set in top of a concrete post
projecting 3 in. above ground 1008.892

Centerville, at the intersection of Washington Street with State Hwy. 3, in W $\frac{1}{2}$ sec. 36;
T. 69 N., R. 18 W., 52 ft S. and 23 ft W. of intersection of Washington Street and hwy.
3; 10 ft above roadway, on top of hwy. right-of-way marker; chiseled cross; on top of
steel RR. rail 973.05

LINE 4 (Cont'd)

CENTERVILLE - 10

FEET

Crossing of State Hwy. 3 and So. Iowa Electric RR. 900.6

Centerville, at SW. limits of, along State Hwy. 3, in sec. 35, T. 69 N., R. 18 W., on E. end of S. concrete headwall of concrete bridge over Cooper Creek; chiseled square 893.61

T. 69 N., R. 18 W., cor. secs. 26, 27, 34 and 35; 15 ft S. and 152 ft W. of T-rd. N.; at intersection of State Hwy. 3; and temporary No. 278 Hwy., in top of center of S. concrete headwall on culvert; chiseled square 944.87

T. 69 N., R. 18 W., SW. cor. sec. 27, 215 ft E. of T-rd. N.; 48 ft N. of State Hwy. 3, at the SE. cor. of school fence, 3.0 mi W. of courthouse at Centerville; in concrete post; standard tablet stamped "TT 13 L 1938" 1007.492

T. 69 N., R. 18 W., quarter cor. between NW $\frac{1}{4}$ sec. 33 and the SW $\frac{1}{4}$ sec. 28, 50 ft N. and 6 ft E. of T-rd. S. at; on top of steel RR. rail used as right-of-way marker and set in ground; chiseled square 1014.90

T. 69 N., R. 18 W., on line between secs. 29 and 32, at crossing of State Hwy. 3; and C.B. & Q. RR., in the base of signal light on the NE. side of crossing, on top of NW. corner of concrete base of signal light; chiseled square 968.94

T. 69 N., R. 18 W., cor. secs. 29, 30, 31 and 32; 33 ft S. and 22 ft W. of T-rd. S. at; on top of steel RR. used as right-of-way marker and set in ground; chiseled cross 1016.61

Center of concrete bridge 969.6

SEYMOUR - 11

T. 69 N., R. 19 W., near SE. cor. sec. 27 on Hwy. 3; 175 ft W. of T-rd. S.; 12 ft N. of center of pavement; 47 ft E. of station 218; on top of W. curb of flume; chiseled square 1000.43

LINE 5

SOUTH ALONG EAST BORDER (L.E. Marsden, 1938 B-7837)

CENTERVILLE - 10

Centerville, 3.7 mi E. along C.R.I. & P. RR. from the crossing of the C.B. & Q. RR. at; 18 poles E. of milepost 333, at bridge 3324 over Sharon River, in the top of the SE. corner of the E. pier, 12 ft S. of the center of the track; and 7 ft lower than track; USC&GS standard disk stamped "K 119 1935" 853.240

T. 69 N., R. 17 W., in NW $\frac{1}{4}$ sec. 34, on concrete hwy. bridge over Chariton River; on State Hwy. 3; 10 ft S. and 145 ft E. of center of bridge; on top of SW. corner of concrete pier of bridge; chiseled square 853.50

T. 69 N., R. 17 W., in NE $\frac{1}{4}$ sec. 34, at overpass of State Hwy. 3 over C.R.I. & P. RR., 260 ft E. and 13 ft N. of center of overpass, on top of NE. concrete wingwall of bridge; chiseled square 878.75

T. 69 N., R. 17 W., cor. secs. 26, 27, 34 and 35; 30 ft S. and 16 ft W. of T-rd. S.; at jogging crossroads; 7 ft NE. of 30 in. mulberry tree; on top of steel RR. rail set in ground and used as right-of-way marker; chiseled cross 855.38

T. 69 N., R. 17 W., at quarter cor. between SW $\frac{1}{4}$ sec. 26 and NW $\frac{1}{4}$ sec. 35; 50 ft N. and 33 ft E. of T-rd. N.; on top of steel rail; set in ground used as right-of-way marker; chiseled cross 889.98

T. 69 N., R. 17 W., at quarter cor. between SW $\frac{1}{4}$ sec. 26 and NE $\frac{1}{4}$ sec. 35; at crossroads near Mount Ararat Church and cemetery, 28 ft N. and 28 ft W. of crossroads; on top of center of NW. concrete headwall of culvert; chiseled square 906.96

6
CENTERVILLE QUADRANGLE
329 MISSOURI - 10 IOWA

LINE 5 (Cont'd)

MOULTON - 9

FEET

T. 69 N., R. 16 W., quarter cor. between SW $\frac{1}{4}$ sec. 30 and NW $\frac{1}{4}$ sec. 31, 33 ft N. and 15 ft W. from private T-rd. S. at; on N. side of State Hwy. 3; 2.0 mi S. of Udell, in concrete post; standard tablet stamped "TT 17 L 1938" 922.496

T. 69 N., R. 16 W., in sec. 31, at crossroads, 3300 ft S. of Hwy. 3, 17 ft N. and 15 ft E. from center of crossroads; about 23 ft W. and 40 ft S. of SW. cor. of old house, in root on W. side of 12 in. elm tree; copper nail and washer 964.02

Tps. 68 and 69 N., R. 16 W., quarter cor. between secs. 6 and 31; 58 ft S. and 14 ft W. from center of crossroads at; in yard, about 20 ft E. of NE. corner of house, in root on NE. side of 48 in. maple tree; copper nail and washer 982.35

T. 68 N., R. 16 W., in W $\frac{1}{2}$ sec. 6, at angle in rd., 69 ft S. and 23 ft E. of intersection of rd. angle in root on E. side of 18 in. oak tree; copper nail and washer 954.89

T. 68 N., R. 16 W., on line between secs. 6 and 7, 16 ft N. and 9 ft W. from center of concrete bridge with steel framework, on top of NW. concrete wingwall; chiseled square 855.46

T. 68 N., R. 16 W., in W $\frac{1}{2}$ sec. 7, 90 ft N. and 23 ft E. of T-rd. E.; in yard in root on W. side of 36 in. maple tree; copper nail and washer 910.10

T. 68 N., R. 16 W., in center of NW $\frac{1}{4}$ sec. 18, 18 ft S. of T-rd. N.; 2.5 mi N. and 1.0 mi E. of Sedan in concrete post; standard tablet stamped "TT 18 L 1938" 852.756

Center of rd., top of hill, between house and barn 942.98

T. 68 N., R. 16 W., on line between secs. 17 and 18, 1300 ft S. of T-rd. S.; 46 ft W. of rd., in pasture, in root on NE. side of 15 in. oak tree; copper nail and washer 940.65

T. 68 N., R. 16 W., cor. secs. 17, 18, 19 and 20, 10 ft N. and 213 ft W. of T-rd. W.; on concrete bridge; on top of NW. corner of N. concrete wingwall of bridge; chiseled square 862.66

T. 68 N., R. 16 W., quarter cor. between secs. 19 and 20, 190 ft N. and 42 ft E. of T-rd. W.; in pasture, 3 ft E. of fence, in root on W. side of 20 in. oak tree; copper nail and washer 876.06

T. 68 N., R. 16 W., in SW $\frac{1}{4}$ sec. 20, 17 ft S. and 134 ft W. of T-rd. W.; on top of center of S. concrete headwall of culvert; chiseled square 868.11

Sedan, 2.0 mi NE. along C.E. & Q. RR. From; 600 ft SW. of milepost 102, 70 ft SW. of the SW. cor. of a hollow tile dairy, 9 ft W. of the W. fence of N.-S. rd. fenced 42 ft wide, and 44 ft SE. of the center of track; a USC&GS standard disk stamped "850.123 S. 7 1930" and set in top of concrete post 850.228

LINE 6

SHORT LINE ON EAST BORDER (L.E. Marsden, 1938; B-7837)

CENTERVILLE - 10

T. 68 N., R. 16 W., in W $\frac{1}{2}$ sec. 30, on the C.E. & Q. RR., 3400 ft E. of Sedan Water Tank, in steel RR. trestle over Chariton River cut, in the center of RR. track, on top of 4th steel beam from E. end of bridge; chiseled square 832.09

Sedan, on the C.E. & Q. RR. at the RR. water tank, and in concrete foundation nearest the E.-W. line of the RR.; USC&GS standard disk stamped "T 7 1930" 832.958

LINE 6 (Cont'd)

CENTERVILLE - 10

FEET

- T. 68 N., R. 17 W., in $W\frac{1}{4}$ sec. 25; 0.5 mi W. of Sedan, along rd. on W. end of steel rd. bridge over Chariton River, 80 ft E. of rd. forks and crossing on underpass, 9 ft N. from center of bridge; on steel plate resting on rock pier; chiseled square 835.03
- T. 68 N., R. 17 W., in $NE\frac{1}{4}$ sec. 35, at rd. forks; 0.5 mi S. and 0.5 mi W. of Sedan, 47 ft E. of rd. forks; 39 ft E. of hwy. stop sign, in root on W. side of 8 in. twin oak tree; copper nail and washer 939.81
- T. 68 N., R. 17 W., near center of sec. 36; on top of SE. corner of E. concrete step to church house; chiseled square 930.44
- T. 67 N., R. 16 and 17 W., near quarter cor. between $SE\frac{1}{4}$ sec. 1 and $SW\frac{1}{4}$ sec. 6, 2.0 mi W. of Dean, 70 ft N. and 30 ft E. of crossroads, 93 ft W. of E. forks of rd., in concrete post; standard tablet stamped "TT 19 L 1938" 824.603
- T. 67 N., R. 16 W., in $SW\frac{1}{4}$ sec. 7, 10 ft S. and 25 ft W. of rd. forks SE., in yard, about 27 ft E. of SE. corner of house, in root on E. side of 27 in. elm tree; copper nail and washer 951.25

LINE 7

GENERALLY EAST ALONG SOUTH BORDER (C. Beck, 1936; B-7451)

GREEN CITY - 312

- T. 66 N., R. 18 W., N. sixteenth cor. between secs. 28 and 29; 45 ft N. and 22 ft W. from T-rd. W.; in concrete post; standard tablet stamped "1 CB 1936 889" 889.196

CENTERVILLE - 329

- T. 66 N., R. 18 W., $SE\frac{1}{4}$ sec. 21, on SE. wingwall of iron bridge; chiseled square 895.82
- T. 66 N., R. 18 W., about 0.2 mi W. of quarter cor. between secs. 14 and 23, 18 ft N. and 15 ft E. from rd. corner W.-NE., in root on W. side of 30 in. oak tree; copper nail and washer 1013.57
- T. 66 N., R. 18 W., on line between secs. 13 and 14; 15 ft S. and 30 ft E. from T-rd. E.; on headwall of culvert; chiseled square 1001.73
- T. 66 N., R. 18 W., near center of $SW\frac{1}{4}$ sec. 13, 20 ft S. and 15 ft E. from T-rd. S.; iron post stamped "PTS 12 1910 1002" 1001.902
- T. 66 N., R. 18 W., in $NE\frac{1}{4}$ sec. 13, on SW. wingwall of bridge over Sandy Creek; chiseled square 885.85
- T. 66 N., R. 17 W., in $N\frac{1}{2}$ sec. 18, 30 ft S. and 140 ft E. from rd. forks; in root on W. side of 26 in. bur oak tree; copper nail and washer 993.64
- T. 66 N., R. 17 W., in $N\frac{1}{2}$ sec. 17, on NE. abutment of bridge over Shoal Creek; chiseled square 841.07
- T. 66 N., R. 17 W., cor. secs. 8, 9, 16 and 17; 42 ft N. and 18 ft W. from rd. forks; in root on W. side of 10 in. ash tree; copper nail and washer 944.66
- T. 66 N., R. 17 W., 0.2 mi W. of corner secs. 14, 15, 22 and 23; 38 ft N. and 16 ft E. from County Rt. "D" at crossroads; in concrete post; standard tablet stamped "2 CB 1936 1003" 1002.653
- T. 66 N., R. 17 W., 0.2 mi W. of cor. secs. 14, 15, 22 and 23, 38 ft N. and 16 ft E. from County abandoned rd. N., in root on S. side of 24 in. cottonwood tree; copper nail and washer 873.29

CENTERVILLE QUADRANGLE
329 MISSOURI - 10 IOWA

LINE 7 (Cont'd)

CENTERVILLE - 329 MO., 10 IA. FEET

T. 66 N., R. 17 W., in NW $\frac{1}{4}$ sec. 24, on N. cor. of NE. iron wingwall of bridge; chiseled cross 852.89

MOULTON - 328

T. 66 N., Rs. 16 and 17 W., 0.2 mi N. of cor. secs. 19, 24, 25 and 30; 10 ft W. of rd. corner N.-E., 20 ft N. and 8 ft E. from fence corner; iron post stamped "PTS 13 1910 MO 848" 847.860

LINE 8

IN CENTER OF WEST HALF OF QUADRANGLE (C. Beck, 1936; B 7451)

CENTERVILLE - 329

Mendota, 100 ft S. of C.B. & Q. RR. station, in the concrete foundation of an abandoned water tank, 7 rails N. of milepost 118; 15 ft E. of track; USCGS disk stamped "884.457 A 10 1930" 884.605

Mendota, 1.1 mi W. of C.B. & Q. RR. station, 30 ft S. and 60 ft W. from SW. cor. of brick dwelling, in S. side of 8 in. walnut tree; copper nail and washer 1036.39

T. 67 N., R. 18 W., S. cor. secs. 20 and 21, on Iowa-Mo. State line, 55 ft N. and 20 ft E. from rd. corner N.-W. and dim rd. E.; in concrete post; standard tablet stamped "TT 66 JJ 1936 996" 995.995

T. 67 N., R. 18 W., N. quarter cor. sec. 30, on Iowa-Mo. State Line, 30 ft N. and 18 ft W. from T-rd. N., in root on S. side of 28 in. elm tree; copper nail and washer 1049.20

LINE 9

EAST THROUGH CENTER OF QUADRANGLE (C. Beck, 1936; B 7451)

CENTERVILLE - 329

"TT 67 JJ 1936 1015 RESET 1948" (Described in Line 3) 1014.961

T. 67 N., R. 18 W., in SW $\frac{1}{4}$ sec. 26, 30 ft S. and 100 ft E. from T-rd. E.; in yard in root on N. side of 16 in. maple tree; copper nail and washer 1008.90

T. 67 N., R. 18 W., in S $\frac{1}{2}$ sec. 25, 170 ft S. and 150 ft E. from rd. fork N.; in yard; in root on N. side of 24 in. black oak tree; copper nail and washer 996.29

T. 67 N., R. 17 W., in NW $\frac{1}{4}$ sec. 31, 12 ft N. and 31 ft E. from rd. forks; 67 ft N. and 49 ft W. from Friendship school, in concrete post; standard tablet stamped "TT 68 JJ 1936 993" 992.819

T. 67 N., R. 17 W., in SW $\frac{1}{4}$ sec. 29, 20 ft S. and 36 ft E. from SE. cor. of bridge over Shoal Creek; in root on N. side of 22 in. elm tree; copper nail and washer 858.93

T. 67 N., R. 17 W., 710 ft N. of quarter cor. between secs. 27 and 34; 20 ft N. and 50 ft W. from T-rd. W.; in concrete post; standard tablet stamped "TT 69 JJ 1936 983" 982.664

Bridge, on SW. wingwall; chiseled square 907.17

T. 67 N., R. 17 W., near E. sixteenth cor. between secs. 15 and 22; 32 ft N. and 435 ft E. from T-rd. S., in root on S. side of 22 in. post oak tree; copper nail and washer 979.21

LINE 9 (Cont'd)

FEET
CENTERVILLE - 329 MO., 10 IA.

- T. 67 N., R. 17 W., near quarter cor. between secs. 14 and 23, 66 ft S. and 72 ft W. from T-rd. S., on NW. corner of step of Union Church; chiseled square 993.53
- T. 67 N., R. 17 W., E. sixteenth cor. between secs. 13 and 24, 90 ft S. and 20 ft E. from T-rd. S.; in root on W. side of 26 in. hickory tree; copper nail and washer 929.25
- T. 67 N., R. 17 W., 300 ft E. of N. $\frac{1}{4}$ cor. sec. 25, on Iowa-Mo. State line, 16 ft S. and 210 ft E. from rd. corner N.-E.; in concrete post; standard tablet stamped "TT 70 JJ 1936 913" 912.696

LINE 10

SOUTH AT CENTER OF SOUTH BORDER (C. Beck, 1936 B7451)

CENTERVILLE - 329

- T. 66 N., R. 17 W., near N. sixteenth cor. between secs. 19 and 20, 33 ft S. and 19 ft E. from T-rd. E.; in concrete post; standard tablet stamped "4 CB 1936 993" 993.100
- T. 66 N., R. 17 W., in SE $\frac{1}{4}$ sec. 20, 70 ft N. and 40 ft W. from NW. corner of dwelling of O.H. Graves, 13 ft E. of rd., in root on W. side of 26 in. white oak tree; copper nail and washer 981.60
- T. 66 N., R. 17 W., in NE $\frac{1}{4}$ sec. 29, 30 ft N. and 33 ft E. from T-rd. E., in root on S. side of 18 in. white oak tree; copper nail and washer 939.46

GREEN CITY - 312

- T. 66 N., R. 17 W., near W. sixteenth cor. sec. 28, on NE. wingwall of bridge over Sandy Creek; chiseled square 831.52

LINE 11

NORTH ALONG SOUTH HALF OF WEST BORDER (D.R. Stewart, 1936; B 7523)

GREEN CITY - 312

- Unionville, at E. limits of, 2 ft N. and 10 ft W. of C.B. & Q. RR. at rd. crossing, at NW. cor. of semaphore; bolt head 1016.36

CENTERVILLE - 329

- T. 66 N., R. 19 W., cor. secs. 23, 24, 25 and 26; on SW. abutment of bridge; chiseled square 948.39
- T. 66 N., R. 19 W., quarter cor. between secs. 23 and 24; 25 ft S. and 25 ft W. from crossroads; in concrete post; standard tablet stamped "5 S 1936 1029" 1029.132
- T. 66 N., R. 19 W., near cor. secs. 11, 12, 13 and 14; on SE. abutment of bridge over Blackbird Creek; chiseled square 923.34
- T. 66 N., R. 19 W., quarter cor. between secs. 1 and 2, 12 ft S. and 20 ft W. from T-rd. E.; in concrete post; standard tablet stamped "6 S 1936 1059" 1057.900
- T. 66 N., R. 19 W., N. cor. secs. 1 and 2, 20 ft S. and 25 ft E. from T-rd. S.; in root on SE. side of large elm tree; copper nail and washer 1013.95
- T. 67 N., R. 19 W., in S $\frac{1}{2}$ sec. 36; on SW. wingwall of bridge over creek; chiseled square 950.89
- T. 67 N., R. 19 W., N. sixteenth cor. sec. 36, 15 ft N. and 15 ft E. from T-rd. E.; on NW. end of concrete headwall of culvert; chiseled square 1013.50

10
CENTERVILLE QUADRANGLE
329 MISSOURI - 10 IOWA

LINE 11 (Cont'd)

CENTERVILLE - 329

FEET

T. 67 N., R. 19 W., on N. line sec. 25, on Iowa-Mo. State Line, 35 ft N. and 105 ft E. from T-rd. S.; in root on S. side of 18 in. maple tree; copper nail and washer 1046.98

SEYMOUR - 330

T. 67 N., R. 19 W., S. cor. secs. 23, and 24; on Iowa-Mo. State line, 20 ft S. of T-rd. N.; 2 ft N. of fence, in concrete post; standard tablet stamped "P T S 33 Mac 1923 1002" 1001.892

LINE 12

SHORT LINE IN SOUTHWEST PORTION OF QUADRANGLE (D.R. Stewart, 1936 B 7523)

CENTERVILLE - 329

T. 66 N., R. 19 W., E. sixteenth cor. sec. 12; 50 ft N. and 15 ft E. from crossroads; in root on S. side of large elm tree; copper nail and washer 1020.60

T. 66 N., R. 18 W., in NW $\frac{1}{4}$ sec. 7, in yard of John Richardson, on SE. cor. of concrete well platform; a chiseled square 1052.63

Howland, at; 105 ft NE. of C.B. & Q. RR. station, 66 ft NE. of rd. crossing; and 12 ft N. of station, at the base of a hill, and 40 ft N. of the track; a USC&GS standard disk stamped "985.096 G 10 1930" and set in top of a concrete post projecting 3 in. above ground 985.254

LINE 13

GENERALLY SOUTHEAST IN WEST HALF OF QUADRANGLE (H.A. Gillett, W.C. Ellledge, 1933-34 B 5065 and B 5515)

CENTERVILLE - 329

T. 68 N., R. 19 W., near quarter sec. cor. between secs. 24 and 25; on pier of NE. corner of steel span of bridge over North Shoal Creek, on top of bridge over North Shoal Creek, on top of NE. bolt on pier cap; chiseled cross 946.01

T. 67 N., R. 19 W., near NW $\frac{1}{4}$ cor. sec. 1, at SW. cor. of Mount Olive Church lot, 175 ft S. and 25 ft E. of rd. intersection, in top of concrete post; standard tablet stamped "P T S 32 1923 MAC 1939" 1038.980

T. 67 N., R. 18 W., near NW $\frac{1}{4}$ cor. sec. 5, 30 ft W. and 20 ft S. of rd. intersection at T-rd. N., 1 ft N. of fence; in top of concrete post; standard tablet stamped "32 E 1933" 1042.825

Cincinnati, at W. end of town, 0.25 mi E. of W $\frac{1}{4}$ cor. sec. 4, T. 67 N., R. 18 W., 40 ft W. and 15 ft N. of intersection of crossroads, in N. headwall of culvert; top of iron pin 1037.28

Cincinnati, 0.25 mi E. of the C.B. & Q. RR. station, 18 ft W. of the W. fence line of a street fenced 40 ft wide, 27 ft W. of power transmission line pole; 50 ft S. of the center of the track; USC&GS standard disk stamped "10 31 865 X 7 1930" and set in top of a concrete post 1031.999

OFFICE COPY HOLD

OBsolete HORIZONTAL CONTROL
APPROXIMATE NORTH AMERICAN
DATUM OF 1927

Appanoose County, Iowa
Putnam County, Missouri

Edition of: 5/3/73

PR: WCM/PH/cb

Approx. Magnetic Declination
(1965) 6.15' E.
Annual Change 2.9' W.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CENTERVILLE QUADRANGLE
10- IOWA
329 - MISSOURI
N4030-W9245/15
DIAGRAM NK 15-11
CENTERVILLE

Plane Coordinates are based on
Transverse Mercator Projection
Missouri Central and Lambert
Iowa South Zone.

Azimuths to reference points are
Geographic Azimuths reckoned
clockwise from true South
except where otherwise noted.

MUSTIC
31 - IOWA

SEYMOUR
11 - IOWA
330 - MO.

MOULTON
9 - IOWA
328 - MO.

GREEN CITY
312 - MO.

40°30'
92°45'

10-D

2
CENTERVILLE QUADRANGLE
10 - IOWA
329 - MISSOURI

STATION

DESCRIPTION

PLANE COORDINATES

LATITUDE

LONGITUDE

X

Y

° ' "

° ' "

OBSELETE CONTROL

Due to methods employed and the improbability of recovery, this work is considered obsolete and does not warrant additional ties.

J.M. Lawson, 1938, Books D-2834, 35 and 36

278. Centerville, 0.5 mi N. and 6.0 mi W. of, T. 69 N., Rs. 18 and 19 W., cor. secs. 25, 30, 31 and 36; 89 ft W. and 157 ft S. from center of State Hwy. 2 and Appanoose County Rd. T 12; in a concrete post; standard tablet stamped "TT 12 L 1938 RESET 1971"

(Horizontal position lost when RESET)

290. T. 68 N., R. 18 W., cor. secs. 27, 28, 33 and 34, 215 ft E. of T-rd. N., 48 ft N. of State Hwy. 3 at SE. cor. of school fence, 3.0 mi W. of courthouse at Centerville, in concrete post; standard tablet stamped "TT 13 L 1938"

382,4151,786,93340 44 23.0092 55 27.60

2,159,527270,027

567. T. 67 N., Rs. 16 and 17 W., near quarter cor. between SE $\frac{1}{4}$ of sec. 1 and SW $\frac{1}{4}$ of sec. 6, 2.0 mi W. of Dean, 70 ft N. and 30 ft E. of crossroads, 93 ft W. of E. fork of rd., in concrete post; standard stamped stamped "TT 19 L 1938"

430,3221,745,95740 37 39.9092 45 03.70

2,207,903229,601

631. T. 68 N., Rs. 17 and 18 W., cor. of secs. 13, 18, 19 and 24, 140 ft S. and 31 ft W. from center of crossroads, 3.0 mi S. of C.R.I. and P. RR. depot at Centerville, in concrete post; standard tablet stamped "TT 21 L 1938" RESET 5-26-48

397,9981,765,58140 40 52.7092 52 04.00

2,175,354248,854

648. T. 68 N., Rs. 17 and 18 W., quarter cor. between the NE $\frac{1}{4}$ of sec. 36 and NW $\frac{1}{4}$ of sec. 31, 25 ft E. of T-rd. W., 2.5 mi W. of E. cross line, in concrete post; standard stamped "TT 22 L 1938"

398,0871,753,88240 38 57.1092 52 02.20

2,175,577237,157

671. T. 67 N., R. 18 W., quarter cor. between secs. 13 and 14, 26 ft S. and 27 ft W. of T-rd. E., and dim rd. W., in concrete post; standard tablet stamped "TT 23 L 1938"

392,7401,736,72240 36 07.3092 53 10.60

2,170,426219,936

683. T. 67 N., R. 18 W., in NE $\frac{1}{4}$ sec. 27, about 0.7 mi NE. of C.B. and Q. RR. station at Mendota, 28 ft N. of rd. fork SW., in concrete post; standard tablet stamped "TT 67 JJ 1936 1015" RESET 1948, 20 ft NE. of rd.)

388,9001,730,20240 35 02.7092 54 00.00

2,166,661213,372

J.J. Beinlich, 1936

T. 67 N., R. 18 W., S. cor. secs. 20 and 21, on Iowa-Mo. State line, 55 ft N. and 20 ft E. from rd. cor. from N.-W. and dim rd. E., in concrete post; standard tablet stamped "TT 66 JJ 1936 996"

376,9401,731,61540 35 16.1092 56 35.10

2,154,685214,648

T. 67 N., R. 17 W., in NW $\frac{1}{4}$ sec. 31, 12 ft N. and 31 ft E. from rd. forks, 67 ft N. and 49 ft W. from Friendship School, in concrete post; standard tablet stamped "TT 68 JJ 1936 993"

401,2091,725,21140 34 13.9092 51 20.20

2,179,027208,522

T. 67 N., R. 17 W., 710 ft N. of quarter cor. between secs. 27 and 34, 20 ft N. and 50 ft W. from T-rd. W., in concrete post; standard tablet stamped "TT 69 JJ 1936 983"

417,7601,727,06240 34 32.8092 47 45.80

2,195,557210,562

3
CENTERVILLE QUADRANGLE
10 - IOWA
329 - MISSOURI

STATION	DESCRIPTION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y	" ' "	" ' "
<u>OBSOLETE CONTROL (Cont'd)</u>					
T. 67 N., R. 17 W., 300 ft E. of N. quarter cor. secs. 25, on Iowa-Mo. State line, 16 ft S. and 210 ft E. from rd. corner from N.-E., in concrete post; standard tablet stamped "TT 70 JJ 1936 913"	MO. (Central Zone)	428,724	1,731,804	40 35 20.00	92 45 23.90
	IOWA (South Zone)	2,206,466	215,430		
T. 67 N., R. 19 W., 175 ft S. and 25 ft E. of crossroads, at quarter cor. on N. side of sec. 1, 139 ft S. 76°00' W. magnetic from SW. cor. of church building, 2 ft S. of fence line, in concrete post; bronze tablet stamped "PRIM TRAV STATION NO. 32 1923 MAC" Azimuth to cupola on barn 700 ft distant: 234°23'15" Azimuth to S. edge of chimney on church 150 ft distant: 256°31'45"		363,540	1,749,801	40 38 15.10	92 59 30.10
		2,141,078	232,680		
T. 66 N., R. 18 W., near center of SW $\frac{1}{4}$ sec. 13, 20 ft S. and 15 ft E. from T-rd. S., iron post stamped "PRIM TRAV STA NO 12 1910 MO 1002"		395,521	1,707,010	40 31 13.80	92 52 32.90
		2,173,547	190,255		