

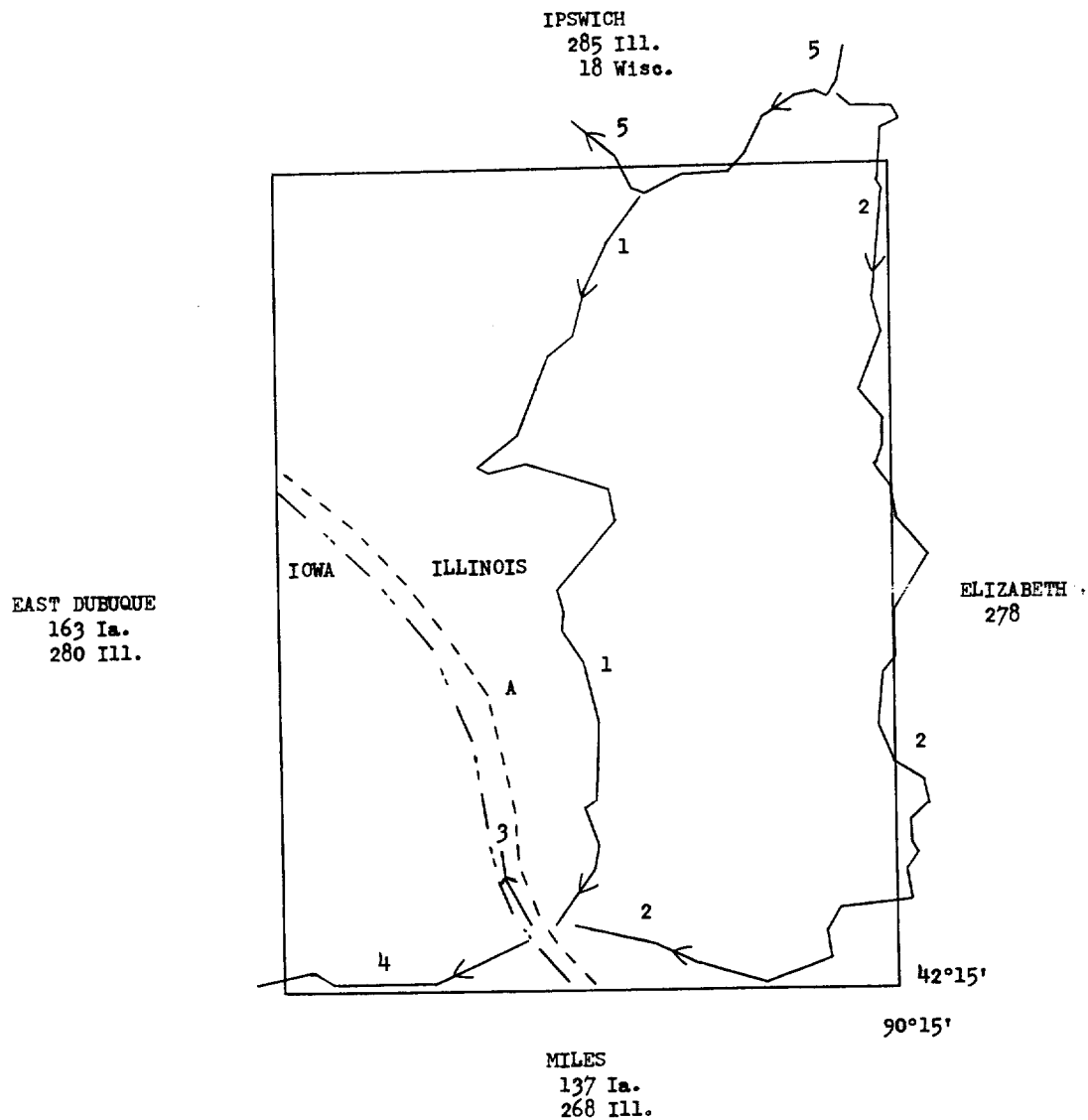
THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GALENA QUADRANGLE
279 Ill., 162 Ia.
N4215-W9015/15
Diagram NK 15-6
Dubuque, Ill., Ia., Wisc.

Jo Daviess County, Illinois
Jackson County, Iowa

Edition of 2/20/68
PR: AKH/SB/mp



USC&GS LEVELING

A. Quadrangle No. 420902

162B

Galena Quadrangle
279 Ill., 162 Ia.

LINE 1Feet

SOUTH THROUGH CENTER OF QUADRANGLE (by R. S. Heglin, 1967; Book CV 2186)

GALENA QUAD., 279 Ill.
162 Ia.

1	1	0.0	Shullsburg, 4.5 mi S. and 6.0 mi W. from; 1.7 mi S. and 3.0 mi E. from Hazel Green, 0.7 mi NW. along rd. from Council Hill Church; 23 ft E. of rd.; 3 ft S. of telephone pole; 1 ft W. of right-of-way fence; in concrete post; a standard tablet stamped "50 ERS 1951 899"	899.616
1	0.7		Council Hill, near N ¹ / ₂ cor. sec. 25; T. 29 N., R. 1 E.; at front of E. wing of Methodist Church, in stone foundation, 18 inches from E. end, 1 ft above ground; aluminum tablet stamped "926"	924.998
2	1.4		UE 926 A; 0.8 mi SW. of "EM 926", 172 ft NE. of rd. at fence W.; 25 ft SW. of rd. at fence SE.; 16 ft NW. of and 1 ft lower than center of rd.; on steel culvert; a chiseled cross, painted "883.5"	883.49
3	2.5		UE 926 B; 1.9 mi SW. of "EM 926"; at SW. end of steel culvert; 19 ft W. of and 0.9 ft lower than center of rd. at field rd. NW.; a chiseled cross, painted "849.0"	849.01
5	3.3		Galena, 3.0 mi N. and 2.0 mi E. of; near E. sixteenth cor. of secs. 3 and 34; Ts. 28 and 29 N., R. 1 E.; 46 ft WNW. of fence at drain; 35 ft NE. of tree stump used for fence corner post; 26 ft normal to rd.; 6 ft NW. of 10-in. oak tree; in a concrete post; a standard tablet stamped "1 RSH 1967 818"	817.831
4	3.3		Reference mark; 41 ft NNW. of tablet; 8 ft NW. of center of rd.; on top of N. end of steel culvert; a chiseled cross	818.24
7	4.1		UE 1 A; 0.8 mi S. of tablet; 60 ft E., 10 ft S. of and 1.3 ft lower than center of bridge; on SW. cor. of concrete abutment; a chiseled square painted "619.1" Water 15.2 ft lower 5/8/67	619.15
8	5.2		UE 1 B; 1.9 mi S. of tablet, in 10 by 10-in. timber on W. edge of RR. trestle, on bolt head over center pier; a chiseled cross, painted "614.7" drain 7.8 ft lower; center of RR. 0.5 ft higher	614.72
9	5.6		UE 1 C; 2.3 mi S. of tablet; at center of 78 ft RR. trestle; on 8x16 in. timber; 0.5 ft higher than and 6 ft E. of center of track; a copper nail and washer, painted "613.7" Water 19.8 ft lower	613.73
10	6.6		Galena, 1.0 mi ENE. of; W. of quarter cor. of secs. 15 and 16; T. 28 N., R. 1 E.; 144 ft E. of center of gate; 59 ft NNE. of and 4.6 ft higher than center of rd. at W. end of bridge; 4 ft S. of fence, in a concrete post projecting 9 inches; a standard tablet stamped "2 RSH 1967 631"	631.063
10	6.6		Reference mark; 77 ft S. of tablet; 18.5 ft S. of center of W. end of bridge on SW. cor. of concrete abutment; a chiseled square	627.18
11	7.8		UE 2 A; 1.1 mi WSW. of tablet; 11 ft S., 37 ft E. of and 0.1 ft higher than center of bridge; on concrete curb; a chiseled square, water 14.5 ft lower 4/9/67	605.74
12	8.3		In Galena, 0.1 mi N. of Illinois Central RR. depot, on E. bank of Galena River; at center of steel door sill of water gauging station; a chiseled "V"	609.47
12	8.3		UE 2 B; 1.7 mi SW. of tablet; at the SW. cor. of and 0.1 ft higher than the intersection of Park and Bouthillier Streets; 0.5 ft NE. of the end of the sidewalk from the I.C. depot; on a 0.5 ft concrete curb; a chiseled square	609.04

<u>Line 1 Cont'd.</u>	<u>GALENA QUAD., 279 Ill. 162 Ia.</u>	<u>Feet</u>
1 15 9.3 Galena, 0.5 mi E. of; S. of center of sec. 21; T. 28 N., R. 1 E.; 31 ft S. and 82 ft E. of U. S. Hwy. 20 at driveway S.; 2 ft N. and 21 ft E. of cor. of fence S. and E.; 6 ft S. of 18-in. tree; in a concrete post; a standard tablet stamped "3 RSH 1967 837"		837.050
15 9.3 Reference mark; 29 ft WNW. of tablet; 19 ft S. of center of U. S. Hwy. 20; 10 ft W. of center of field rd.; on top of concrete culvert headwall; a chiseled square		833.38
16 10.2 UE 3 A; 0.9 mi E. of tablet along U. S. Hwy. 20; 90 ft SE. of fence corner post; 68 ft SW. across hwy. from T-fence E.; 17 ft W. of and same elevation as center of hwy.; on a concrete culvert headwall; a chiseled square, painted "913.9"		913.93
17 11.0 UE 3 B; 1.7 mi E. along hwy. from tablet; approximately 435 ft E. of hwy. at drive N.; on SW. concrete culvert headwall; a chiseled square 0.4 ft below center of hwy.; painted "849.4"		849.38
18 11.3 Galena, 3.1 mi SE. of, at Mount Hope School; near N. cor. secs. 26 and 27; T. 28 N., R. 1 E.; at rd. junction, in SW. cor. of schoolyard, 4 ft from edge of bank, 8.5 ft SW. of 3-in. hard maple tree; standard iron post with bronze cap stamped "834" (Post leaning, elevation taken at top edge)		832.97
19 12.1 Galena, 1.5 mi S. and 2.5 mi E. of; in SW $\frac{1}{4}$ of sec. 26; T. 28 N., R. 1 E.; 95 ft N. of center of U. S. Hwy. 20 at rd. fork SW.; 95 ft N. along fence from power pole; 45 ft E. of and 3.3 ft above center of hwy. at fence E.-W.; 2 ft NW. of fence corner post; 2 ft W. of concrete post marking hwy. right-of-way; in a concrete post; a standard tablet stamped "4 RSH 1967 805"		804.622
19 12.1 Reference mark; 950 ft N. of tablet; 9 ft N., 21 ft E. of and 0.1 ft higher than center of hwy. at northernmost of two drive to implement dealer		804.39
21 12.8 UE 4 A; 0.8 mi SW. of tablet; on E. concrete culvert headwall and 0.5 ft higher than center of rd.; a chiseled square, painted "648.8" drain 8.5 ft lower 5/16/67		648.80
22 13.4 UE 4 B; 1.3 mi S. of tablet; 25 ft NW., 11 ft NE. of and 0.2 ft lower than center of bridge; on concrete curb; a chiseled square, painted "631.0"; water 16 ft lower 5/16/67		630.95
23 14.2 UE 4 C; 2.0 mi S. of tablet; 77 ft S. of rd. at fence W.; on W. concrete culvert headwall and 1.5 ft below center of rd.; a chiseled square, painted "685.8" drain 9.1 ft lower		685.76
25 14.9 UE 4 D; 2.75 mi S. of tablet; 90 ft NE. of field rd. at gate; 14 ft S. and 1.1 ft lower than center of rd. at bend, on steel culvert; a chiseled cross; painted "959.2"		959.15
26 15.2 Galena, 3.5 mi S. and 3.0 mi E. of; near quarter cor. of secs. 2 and 11; T. 27 N., R. 1 E.; 0.1 mi W. of rd. forks; 24 ft E. of 12-ft. high cedar tree; 20 ft E. of powerline pole; 17 ft N., 13 ft W. of and same elevation as center of rd. at crest; 9 ft W. of gate post; in a concrete post; a standard tablet stamped "5 RSH 1967 1007"		1006.838
26 15.2 Reference mark; 250 ft W. of tablet; a chiseled cross in N. end of steel culvert		989.45

Galena Quadrangle
279 Ill., 162 Ia.

Line 1 Cont'd.

GALENA QUAD., 279 Ill.,
162 Ia.

Feet

- 1 27 15.8 UE 5 A; 0.5 mi SW. of tablet; 74 ft N. of rd. at 2 pole powerline crossing; 18 ft SE. of and 0.5 ft lower than center of rd. at field entrance E.; a chiseled cross on steel culvert; painted "1049.5" 1049.53
- 28 16.8 UE 5 B; 1.1 mi S. of tablet; 240 ft SE. of rd. at drive NE.; 150 ft N. of rd. at drive E.; 14 ft E. of and 0.5 ft lower than center of rd. at bend S. and NW.; on steel culvert; a chiseled cross, painted "1028.0" 1027.97
- 30 18.0 Galena, 6.0 mi S. and 2.0 mi E. of; Hanover, 4.0 mi N. and 4.5 mi W. of; near quarter cor. of secs. 22 and 23; T. 27 N., R. 1 E.; 85 ft S. of rd. at drive W.; 48 ft E. of and 4.2 ft higher than crossroads; 2 ft NW. of powerline pole; in a concrete post projecting 3 inches; a standard tablet stamped "6 RSH 1967 1048" 1047.507
- 29 18.0 Reference mark; 350 ft NE. of tablet; 17 ft SE. of and 1.6 ft lower than center of rd.; on a steel culvert; a chiseled cross 1038.58
- 31 19.2 UE 6 A; 1.0 mi S. of tablet; near quarter cor. secs. 26 and 27; T. 27 N., R. 1 E.; 23 ft ESE. of and 1.4 ft higher than rd. at crest; 19 ft normal to rd.; 10 ft W. of cor. fence post; 1 ft E. of power pole; top of 5/8 in. steel pipe projecting 6 inches above ground; painted "1001.0" 1000.97
- 32 20.0 UE 6 B; 1.75 mi S. of tablet; 180 ft N. of lone large tree on W. bank of rd.; 19 ft W. of and 1.8 ft above center of rd.; 18 ft SE. of 5-ft. diameter elm tree; at break in rd. grade; in NW. root of 18-in. hickory tree; a copper nail and washer, painted "921.7" 921.69
- 33 20.3 UE 6 C; 2.0 mi S. of tablet; 320 ft N. of rd. fork NE.; 30 ft SE. of and 3 ft lower than center of rd. at drive SE.; chiseled cross on steel culvert; painted "764.0" 763.95
- 34 20.6 Hanover, 2.0 mi N. and 4.0 mi W. of; in SW $\frac{1}{4}$ of sec. 35; T. 27 N., R. 1 E.; 183 ft NE. of and 4.9 ft higher than rd. at drain; 90 ft NE. of rd. at drive SE.; 25 ft SE. of and 3.4 ft higher than center of rd.; 2.5 ft NW. of fence; in a concrete post projecting 3 inches above ground; a standard tablet stamped "7 RSH 1967 680" 680.449
- 35 20.6 Reference mark; 183 ft SW. of tablet; in NW. concrete headwall for culvert; a chiseled square, 8 ft above drain and 0.7 ft lower than center of rd. 674.90
- 35 21.4 UE 7 A; 0.8 mi SW. of tablet; 25 ft NE., 11 ft SE. of and 2.2 ft higher than center of rd. at drain; a chiseled square, painted "656.1"; drain 10.7 ft lower 656.06
- 36 22.3 At Blanding; 5.0 mi W. and 1.0 mi N. of Hanover; near center of sec. 3; T. 26 N., R. 1 E.; 252 ft WSW. of T-rd. NE., 118 ft W. of center of nearest of two mainline tracks; 76.5 ft NNW. of N. cor. of house going around 4-ft. maple tree; 12 ft from house; 33 ft NNW. of government reservation boundary post; 3.5 ft NE. of cor. post for 7 ft high chain link fence; in a concrete post; a standard tablet stamped "8 RSH 1967 631", RR. crossing 3.5 ft higher 630.712
- 37 22.3 Reference mark; 248 ft SE. of tablet, on top of brass tablet, in concrete post marking government reservation boundary; 41 ft W. of center of gate "Y" into Army Depot 632.60
- 38 23.0 UE 8 A; in Savanna Army Depot Area; 0.5 mi SW. of tablet; 130 ft NW. of and 3.9 ft higher than NW. grass point formed by rd. forks E.; 22 ft NE. of center of rd., the high point of a 2.5 angle iron projecting about 4 inches out of concrete; not painted 602.44

Line 1 Cont'd.

GALENA QUAD., 279 Ill.,
162 Ia.

Feet

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|----|------|------|---|---------|
| 1 | 39 | 24.5 | UE 8 B; 2.0 mi SW. of tablet, 7 ft NE. and 2 ft NW. of E. corner of dam structure (Look and Dam No. 12), on E. cor. of concrete base for steel stairs to overhead walkway for crossing dam; a chiseled square, not painted | 603.80 |
| 40 | 24.7 | | UE 8 C; at Bellevue, Iowa; at water gauging station N. and headquarters building at Look and Dam No. 12; 36 ft NE. of flagpole; 23 ft SE. of a lone tree; 5 ft W. of the W. look wall; in center of N. edge of steel frame for a 2.5 by 3.5 ft steel cover; a chiseled cross | 602.46 |
| 41 | 25.0 | | At Bellevue, Jackson County, at the SW. cor. of Sylvan and Water Streets, opposite the electric power plant, 4.3 ft S. of the S. edge of the cement walk, and 1 ft W. of the W. edge; the top of a copper bolt leaded in a tile 18 inches square and set about 3 ft underground, access to which is had through an iron pipe bearing a Mississippi River Commission standard cap, stamped "42°15'50", 90°25'32" "., elevation by USC&GS (PBM 305 USE) | 618.358 |

LINE 2

SOUTH ALONG EAST BORDER (by R. S. Heglin, 1967; Book CV 2186)

IPSWICH QUAD., 285 Ill.
18 Wisc.

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|---|-----|-----|---|---------|
| 2 | 1 | 0.0 | Shullsburg, 3.3 mi S. and 2.5 mi W. from; near center sec. 32; T. 1 N., R. 2 E.; 375 ft S. from T-rd. S.; 25 ft W. of rd., 4 ft S. of powerline pole; in concrete post; standard tablet stamped "47 ERS 1951" | 965.249 |
| 2 | 1.1 | | UE 1 P A; on NW. wingwall, 1.4 ft below center of bridge; 7.3 ft above water; a chiseled square | 957.07 |

DARLINGTON QUAD., 17 Wisc.,
284 Ill.

- | | | | |
|---|-----|---|----------|
| 3 | 1.6 | Charles Azimuth Mark, 1935. 34 ft N., 34 ft W. and 1.8 ft higher than rd. fork; high point of standard disk, which is on W. edge. This azimuth mark has been moved an estimated 10 ft | 1026.377 |
|---|-----|---|----------|

IPSWICH QUAD., 18 Wisc.,
285 Ill.

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|---|-----|--|----------|
| 4 | 2.5 | Reference mark; 250 ft NE. of tablet; on NW. wingwall, 23 ft WNW. of and 2.9 ft lower than center of rd. at concrete culvert; a chiseled square, drain 7.8 ft lower | 988.81 |
| 5 | 2.5 | Scales Mound, 2.25 mi N. of; on Illinois side of rd. at Illinois-Wisconsin State Boundary; near N. quarter cor. of sec. 14; T. 29 N., R. 2 E.; 250 ft SSW. of Wisc. Hwy. "0" at drain crossing; 115 ft W. of gate post at fence corner, 2 ft NW. of fence post at slight bend in fence W. and slightly N. of E.; in concrete post; a standard tablet stamped "9 RSH 1967 1001" | 1001.708 |

GALENA QUAD., 279 Ill.
162 Ia.

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|---|-----|--|---------|
| 6 | 3.5 | UE 9 A; 0.7 mi S. and 0.2 mi W. of tablet; approx. 350 ft S. of rd. at drive W.; 12 ft S. and 19 ft E. of rd. at field entrance, on steel culvert, a painted square, painted "974.9" | 974.89 |
| 7 | 4.1 | UE 9 B; 1.5 mi S. and 0.2 mi W. of tablet; 110 ft S. of rd. at fence E.; 18 ft W. and only 0.3 ft below center of rd.; painted square on steel culvert; painted "1021.0" | 1021.02 |

Galena Quadrangle
279 Ill., 162 Ia.

Line 2 Cont'd.	ELIZABETH QUAD., 278 Ill.	Feet
2 8 4.7 In Scales Mound, approximately 260 ft W. of RR. crossing; 82 ft NW. of and 1.4 ft higher than rd. fork S., 132 ft W. of RR. signal post, 119 ft NNW. of fire hydrant, 47 ft normal to rd. NW., 31 ft SSW. of S. rail of main track, 3.1 ft higher than center of track; 5 ft SE. of telephone pole; in a concrete post projecting 8 inches; a standard tablet stamped "10 RSH 1967 950"		949.552
9 4.7 Reference mark; 182 ft S. of tablet, 65 ft S. of hydrant, on W. edge of W. sidewalk; 5.4 ft above drain; a chiseled square		947.79
9 5.4 UE 10 A; 0.6 mi S. of tablet; 132 ft W., 17 ft S. and 5.7 ft below cross-roads; on concrete culvert headwall; 9.3 ft above drain; a chiseled square, painted "915.8"		915.82
GALENA QUAD., 279 Ill. 162 Ia.		
10 6.0 UE 10 B; 1.3 mi S. of tablet; 15 ft W. and 0.9 ft lower than center of rd.; on concrete culvert headwall 9 ft above drain; a chiseled square, painted "865.2"		865.15
11 6.5 UE 10 C; 1.7 mi S. of tablet; 126 ft N. of water gauging station, 57 ft W. of center of N.-S. rd. near T-rd. E.; center of drive W. at N.-S. fence line; on easternmost pipe of cattle guard; a chiseled cross, painted "864.7"		864.74
13 7.4 Scales Mound, 2.5 mi S. of; near center of NW $\frac{1}{4}$ of sec. 11; T. 28 N., R. 2 E.; 210 ft S. of S. point of grass formed by rd. fork NW.; 160 ft S. of gate post and bend in fence S. and NW.; 26 ft W. and 1 ft higher than center of rd., in a concrete post projecting 8 inches; a standard tablet stamped "11 RSH 1967 1109"		1108.742
13 7.4 Reference mark; 81 ft N. of tablet; 185 ft S. of T-fence E. across rd.; 2 ft SSW. of trunk of 4-ft. diameter elm tree; in top of root; a copper nail and washer		1106.91
14 8.2 UE 11 A; 0.8 mi S. of tablet; 63 ft SE. of door of St. John's Lutheran Church; 45 ft W. of center of rd.; 12 ft NE. of center sidewalk, in concrete base for church signs; a chiseled square, painted "1129.9"		1129.87
15 8.9 UE 11 B; 1.5 mi S. of tablet at Schapville rd. fork; 63 ft NW. of and 3.1 ft higher than center of triangle; 35 ft N. of field entrance; 21 ft normal to rd.; a rail spike on SW. side of telephone pole; painted "1122.8"		1122.80
16 9.9 Scales Mound, approx. 5.0 mi S. of; near center of E $\frac{1}{2}$ of sec. 23; T. 28 N., R. 2 E.; approximately 300 ft E. of rd. forks N., 85 ft E. and across rd. from telephone pole; 60 ft NW. of center of grass triangle formed by rd. forks SE.; 22 ft N. and 1.7 ft lower than center of rd. opposite; 5 ft E. of 12-in. elm tree and 1 ft S. of fence line; in concrete post projecting 9 inches; a standard tablet stamped "12 RSH 1967 1112"		1111.935
17 9.9 Reference mark; 90 ft E. of tablet; 11 ft N. of center of rd.; 6 ft S. of T-fence N.; painted square on W. end of steel culvert		1102.98
17 10.9 UE 12 RSH A; 1.0 mi S. of tablet; 48 ft SW. of rd. at short fence E.; 28 ft W. and 0.4 ft lower than rd. opposite; in root on NW. side of 20-in. hickory tree; a copper nail and washer, painted "1079.7"		1079.73

Line 2 Cont'd.

ELIZABETH QUAD., 278 Ill.

Feet

- 2 18 11.3 UE 12 RSH B; 1.5 mi S. of tablet; 70 ft NE. and 2.6 ft higher than rd. fork; on S. cor. of bottom one of four concrete steps to abandoned stone building now in ruins, a chiseled square, painted "1044.1" 1044.07
- 20 12.3 Scales Mound, 7.5 mi S. of, along rd.; in NW $\frac{1}{4}$ sec. 36; T. 28 N., R. 2 E.; approximately 450 ft S. of rd. fork; 30 ft E. and 4.4 ft higher than rd. opposite; 19 ft N. of 30-in. oak tree, 1 ft E. of fence, in concrete post projecting above ground; a standard tablet stamped "13 RSH 1967 1024" 1023.919
- 19 12.3 Reference mark; 343 ft N. of tablet; 90 ft S. of rd. forks; 23 ft E. and approx. 9 ft higher than center of rd. opposite; on point of rock outcrop; a chiseled square 1040.29
- 21 12.9 UE 13 RSH A; 0.5 mi S. of tablet; 215 ft S. of cattle guard in drive NE. from rd.; 95 ft N. of E.-W. fence; 20 ft E. of center of rd.; a painted square on top of steel culvert; painted "946.5" 946.50
- 22 13.2 Center of rd. at fence W. 900.4

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162 Ia.

- 23 13.9 UE 13 B; 1.5 mi S. of tablet; 55 ft S. of rd. at drive E.; 14 ft W. and 0.7 ft lower than center of rd. at culvert; 7.5 ft above drain, on concrete headwall; a chiseled square, painted "691.5" 691.50
- 24 14.9 UE 13 C; 2.5 mi S. of tablet; 20 ft NW., 9 ft NE. and 2.7 ft higher than center of bridge; chiseled square on concrete railing; water 12.7 ft lower 5/67, painted "664.3" 664.31
- 25 15.5 Scales Mound, 10.0 mi S. of; Elizabeth, 3.0 mi NW. of; near S. sixteenth cor. of secs. 10 and 11; T. 27 N., R. 2 E.; 131 ft SE. of E. corner of house; 26 ft E. of and 0.2 ft lower than rd. forks; 12.5 ft NE. of telephone pole; 3 ft S. of fence post at slight bend, 1 ft W. of fence, in concrete post projecting 3 inches; a standard tablet stamped "14 RSH 1967 645" 645.445
- 26 15.5 Reference mark; 265 ft S. of tablet; 40 ft N., 13 ft E. and 0.6 ft higher than center of bridge; a chiseled square on wingwall; 12.3 ft higher than water 647.53
- 26 16.0 UE 14 A; 0.5 mi S. of tablet; 40 ft SW. of and 1.1 ft lower than rd. fork; a rail spike in pole; 8.5 ft above drain, painted "650.8" 650.74
- 27 16.5 UE 14 B; 1.0 mi S. of tablet; 20 ft N., 11 ft E. and 1.3 ft higher than center of bridge; a chiseled square in concrete wingwall; painted "631.5" 631.50
- 28 17.4 UE 14 C; 1.9 mi S. of tablet; 93 ft NW., 14 ft NE. and 4.2 ft lower than center of bridge; on NE. end of NW. pier; a chiseled square, painted "639.0" Water 28.3 ft lower 5/67 638.94

ELIZABETH QUAD., 278 Ill.

- 29 18.4 Elizabeth, 0.5 mi W. of; near cor. of secs. 23, 24, 25 and 26; T. 27 N., R. 2 E.; 83 ft W. of cor. of fence for substation; 32 ft SE. of center of U. S. Hwy. 20; 27 ft NE. of center of rd.; 3 ft S. of telephone pole; 2.5 ft W. of fence corner; in a concrete post, a standard tablet stamped "15 RSH 1967 749"; crossroads 1.5 ft lower 749.192

Galena Quadrangle
279 Ill., 162 Ia.

Line 2 Cont'd.

ELIZABETH QUAD., 278 Ill.

Feet

- 2 30 19.1 UE 15 A; 0.7 mi S. of tablet; at RR. crossing; copper nail and washer, painted "728.6" 728.58
- 31 19.5 UE 15 B; 1.2 mi S. of tablet; 25 ft N., 9 ft W. and 0.5 ft lower than center of steel bridge; chiseled square in concrete wingwall; painted "647.2" water 7.7 ft lower 5/67 647.18
- 33 20.0 Elizabeth, 2.0 mi S. and 1.0 mi W. of; near center of E₂ of sec. 35; T. 27 N., R. 2 E.; 70 ft N. of pole at powerline bend; 34 ft S. of and 2.8 ft higher than rd. at center of curve; 23 ft W. of center of field rd.; in a concrete post; a standard tablet stamped "16 RSH 1967 768" 767.754
- 32 20.0 Reference mark; 221 ft N. of tablet; 19 ft E. of center of rd.; a rail spike, in SW. side of powerline pole 765.46
- 35 20.9 UE 16 A; 0.8 mi S. of tablet; 99 ft S. of drive E.; 16 ft E. of and same elevation as center of rd. at culvert; a chiseled square, on concrete headwall; painted "690.3" Drain 7.8 ft lower 5/67 690.26

GALENA QUAD., 279 Ill.
162 Ia.

- 36 21.4 UE 16 B; 1.3 mi S. of tablet; 20 ft E. and 1.4 ft lower than center of rd. at bend over drain; painted square on steel culvert, painted "662.5" Drain 4.0 ft lower 6/67 662.43
- 37 22.4 Reference mark; 355 ft N. of tablet; on top of S. end of E. curb of bridge; a chiseled square, painted "626.1" bridge -0.7; water 15.3 ft lower 6/67 626.06
- 38 22.5 Elizabeth, 3.0 mi S., 2.5 mi W. of; Hanover, 1.25 mi N., 0.5 mi E. of; near center sec. 3; T. 26 N., R. 2 E.; 355 ft S. of bridge; 50 ft E., 35 ft S. of and 5.3 ft higher than T-rd. N.; 15 ft E. of pipe marking natural gas pipeline; 15 ft W. of 10-in. cherry tree; 1.5 ft N. of fence, in a concrete post; a standard tablet stamped "17 RSH 1967 637" 636.991
- 39 23.3 UE 17 A; 0.8 mi SSW. of tablet, chiseled square in top of center of W. concrete culvert headwall, painted "634.2" Center of rd. 1.4 ft lower 634.22
- 40 23.9 UE 17 B; 1.5 mi S. of tablet, 18 ft S., 10 ft W. and 2.6 ft higher than center of rd. at drain; on top of concrete culvert headwall; a chiseled square, painted "633.6" Drain 10.9 ft lower 633.58
- 41 24.8 At Hanover, 29 ft N. of extended center of Jefferson St., 23 ft W. of center of Washington St.; 42.9 ft SSE. of NE. cor. of factory building and 10 ft E. from its E. wall; 2 inches underground; a bronze cap on iron post, stamping only partly legible, but sufficient to identify it as "PTS 28 1906" 630.140
- 41 24.8 Reference mark; 200 ft N. of tablet, 34 ft S. and 31 ft W. of T-street E.; 9 ft W. of curb, at SE. cor. of bottom concrete step of Whistling Wings hatchery buildings; a chiseled square 629.67
- 42 25.5 UE PTS 28 A; 0.7 mi SW. of tablet, 220 ft W. of rd. at drive S.; 1.5 ft N. of and 2.7 ft lower than center of rd. at drain; painted square on 3.5-ft steel culvert, painted "671.3" 671.30

<u>Line 2 Cont'd.</u>	<u>GALENA QUAD., 279 Ill. 162 Ia.</u>	<u>Feet</u>
2 44 26.0 Rd. at trail S.		910.0
45 26.6 UE PTS 28 B; 1.5 mi W. of tablet; 36 ft WSW. of and 1.8 ft lower than rd. forks S.; in N. root of 28-in. elm tree; a copper nail and washer painted "740.0"		739.93
46 27.3 Hanover, 2.0 mi W. of; near quarter cor. of secs. 7 and 18; T. 26 N., R. 2 E.; 21 ft S., 31 ft E. and 1.8 ft lower than rd. at drive S.; 4.5 ft W. of 10-in. cottonwood tree; 2.5 ft N. of fence; in a concrete post; a standard tablet stamped "18 RSH 1967 665"		665.084
46 27.3 Reference mark; 115 ft ENE. of tablet; 29 ft N. of center of rd.; on top of a 6 1/4 ft. steel culvert; a chiseled cross		658.19
47 27.8 UE 18 A; 0.5 mi W. of tablet; 31 ft NW. of and 0.6 ft lower than center of rd. at drive N., on top of steel culvert; a chiseled cross, painted "662.6"		662.62
48 28.8 UE 18 B; 1.5 mi NW. along rd. from tablet; 10 ft S., 10 ft W. of and 0.1 ft higher than center of bridge; in concrete abutment; a chiseled square, painted "633.2" drain 9 ft lower		633.14
49 29.3 UE 18 C; 2.3 mi WNW. of tablet; at concrete culvert for RR.; at SE. end of headwall, 30 ft NNE. of and 5.1 ft lower than center of highest and furthest of two main line tracks, a chiseled square, painted "617.3" drain 9.5 ft lower		617.28
50 30.7 UE 18 D; 3.2 mi NW. of tablet, on SW. end of pier for rd. bridge; 14 ft S. of and 1.8 ft lower than center of bridge, 9 ft above water; a chiseled square, painted "625.2"		625.21
51 31.0 "8 RSH 1967 631" (previously described in line 1)		630.712

LINE 3

CHECK LINE IN SOUTHWEST PORTION OF QUADRANGLE (by J. H. Tyndale, 1961; Book CV 1332)

	<u>GALENA QUAD., 279 Ill. 162 Ia.</u>	
0.0 Bellevue, at; in S. end of town; on W. side of 2-story building (stone) occupied by Bellevue Clay Products Co. (vacant, 1961) at second door from the N. end; in door sill; top of a copper bolt and leaded vertically USC&GS elevation - - Reported not found 6/67 DDH.		610.314
0.4 Old U.S.B.M.; Bellevue, at; at the Miss. River shore, at the old Lutheran Parish House (International Harvester dealer, 1961), in E. end of S. wall; on a projecting stone just below the iron bolt plate; the highest point in a circle out in the stone		596.451
0.4 T.P. base street light		620.25
0.6 Bellevue, at; 32 ft S., 30 ft W. and 0.3 ft higher than T-street W. (U. S. Hwy. 67 and 52 N.-S.) Sylvan St. (W); 4 ft S. and 2 ft W. of edge concrete sidewalk; 3.5 in. iron pipe with standard MRC bronze cap stamped "42-15-50"; "90-25-32" (elevation by USC&GS) (opposite old city light plant - - only curb in place)		622.354

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Galena Quadrangle
279 Ill., 162 Ia.

LINE 4

Feet

SOUTHWEST PORTION OF QUADRANGLE, WEST ALONG SOUTH BORDER (by J. H. Tyndale, 1961; Book CV 1332)

GALENA QUAD., 279 Ill.,
162 Ia.

- 0.0 T.P. base street light 620.25
- 1.3 UE; 35 ft NW. (right angle to Hwy. 62) of center of 4 x 6 ft concrete box culvert and 1.4 ft lower; in NE $\frac{1}{4}$ SE $\frac{1}{4}$ of sec. 13; T. 86 N., R. 4 E.; 616.5
- 1.9 UE; 18 ft NW. (right angle to center of Hwy. 62) and 0.2 ft lower than SW.end steel cantilever bridge over creek; in SW $\frac{1}{4}$ sec. 13; T. 86 N., R. 4 E.; center of W. concrete wingwall; 188 ft SE. along Hwy. from T-rd. NW.; chiseled square 634.23
- 2.5 UE; 21 ft N. of center; 2 ft corrugated steel culvert and 6.7 ft lower; in SE $\frac{1}{4}$ sec. 14; T. 86 N., R. 4 E.; punched hole 632.07
- 3.3 UE; 22 ft N., 11 ft W. and 1 ft lower than W. end drive culvert; at T-rd. N. to house; in SW $\frac{1}{4}$ sec. 14; T. 86 N., R. 4 E.; 2 ft corrugated steel culvert; punched hole 655.88
- 3.7 Bellevue, 0.5 mi S. and 2.5 mi W. of; in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15; T. 86 N., R. 4 E.; 28 ft S., 398 ft W. and 7.2 ft higher than rd. fork; at E. end of rd. rock cut; 2 ft S. of S. right-of-way fence; in concrete post extending 1 ft above ground; standard tablet stamped "50 JDF 1953 RESET 1961 683" 683.178
- 3.7 Reference mark; 356 ft ENE. of tablet; 24 ft N., 42 ft W. and 2.9 ft lower than rd. fork; 2 ft corrugated steel culvert; punched hole 673.10
- 4.6 UE; 20 ft N. of 2 ft corrugated steel culvert and 4.2 ft lower; 4 ft S. of T-fence N.; near quarter cor. secs. 15 and 16; T. 86 N., R. 4 E.; punched hole 897.52
- 5.4 UE; 21 ft N., 15 ft W. and 1.4 ft lower than T-drive N. to house; in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16; T. 86 N., R. 4 E.; 1.5 ft corrugated steel culvert; punched hole 918.79

EAST DUBUQUE QUAD., 280 Ill.
163 Ia.

- 6.2 Reference mark; 90 ft NE. of tablet; 11 ft E. of NE. cor. of abandoned school; 60 ft NW. (right angles) center of rd.; top of SE. cor. concrete well cover; 60 ft NW., 50 ft NE. and 1 ft higher than T-drive NW. to school; chiseled square 955.18
- 6.2 LaMotte, 3.0 mi S. to N $\frac{1}{4}$ cor. sec. 20; T. 86 N., R. 4 E.; 4 ft N. and 51 ft W. of NE.-SW. rd. at drive N. to school; 4 ft S. and 4 ft E. of SW. cor. school-yard; in concrete post; a standard tablet stamped "ET 3 GT 1960 957" 956.925
- 7.2 UE; 15 ft SE. of center of 6-ft. corrugated steel culvert and 0.4 ft lower; F.L. 6 ft lower; in NE $\frac{1}{4}$ sec. 19; T. 86 N., R. 4 E.; center concrete headwall; chiseled square 961.62

LINE 5

WEST ALONG NORTH BORDER (by E. R. Sands, 1951; Book CV 508)

IPSWICH QUAD., 285 Ill.
18 Wisc.

- 3.9 Shullsburg, 4.2 mi S. and 3.5 mi W. from; near NW. cor. of sec. 20; T. 29 N., R. 2 E.; 366 ft SW. along rd. from Y-rd. SW., 23 ft SE. normal to the rd., 6 ft SW. along fence line from telephone pole; in concrete post, standard tablet stamped "48 ERS 1951" 960.391
- 3.9 Reference mark; 26 ft SW. along fence from tablet; top of iron rod projecting 0.3 ft 959.8

Line 5 Cont'd.

IPSWICH QUAD., 285 Ill.
18 Wisc.

Feet

4.5 UE 48 A; 0.6 mi W. of tablet, on N. headwall of concrete culvert; chiseled square 916.68

GALENA QUAD., 279 Ill.
162 Ia.

5.7 Shullsburg, 5.0 mi S. and 5.0 mi W. from; near center sec. 19; T. 29 N., R. 2 E.; 575 ft E. of T-rd. N., 23 ft N. of E.-W. rd., 4 ft W. of powerline pole; in concrete post; standard tablet stamped "49 ERS 1951 860" 860.541

5.9 Reference mark; 0.2 mi W. of tablet, on S. headwall of concrete culvert; 2 ft above rd.; chiseled square 846.70

6.9 Council Hill Church; in the NE. wing of foundation, set vertically; standard tablet stamped "926" 924.983

7.6 Shullsburg, 4.5 mi S. and 6.5 mi W. from; 1.7 mi S. and 3.0 mi E. from Hazel Green, 0.7 mi NW. along rd. from Council Hill Church; 23 ft E. of rd., 3 ft S. of telephone pole, 1 ft W. of right-of-way fence, in concrete post; standard tablet stamped "50 ERS 1951 899" 899.616

7.6 Reference mark; 18 ft S. of tablet, in fence line; iron rod projecting about 0.5 ft 899.43

IPSWICH QUAD., 285 Ill.
18 Wisc.

8.4 UE 50 A; 0.8 mi N. of tablet, in W. headwall of concrete culvert; chiseled square 881.63

8.8 UE 50 B; 1.1 mi N.-W. of tablet, at intersection of driveway W. and curve N. in rd.; center of driveway W.; in line with rd. N. 873.5

9.1 Hazel Green, 1.0 mi S. and 3.0 mi E. from; near SE. cor. sec. 33; T. 1 N., R. 1 E.; 580 ft W. of W. end of curve in rd. from W. to S.; 21 ft S. of rd., 1 ft N., of right-of-way fence; in concrete post; standard tablet stamped "51 ERS 1951" 805.595

9.2 Reference mark; 23 ft W. of tablet, in fence line, iron rod projecting 0.5 ft 804.83

ISOLATED BENCH MARKS - - Not shown on diagram

GALENA QUAD., 279 Ill., 162 Ia.

Pleasant Hill schoolhouse, W. of rd., NE $\frac{1}{4}$ sec. 11; T. 26 N., R. 2 E.; at T-rd.; 120 ft N. of fence corner, 4 ft E. of fence; iron post stamped "Prim Trav Sta 19 965" 964.6

Hanover, 3.0 mi W. of; in SW $\frac{1}{4}$ sec. 12; T. 26 N., R. 1 E.; at NE. cor. of rd. crossing, in field corner, 3.7 ft N. of fence N. of wagon rd.; 5 ft NE. of RR. right-of-way fence; iron post stamped "626 (Reported destroyed)" 626.3

Blanding, at E. cor. of rd., opposite general store, 1.7 ft SW. of fence; iron post stamped "Prim Trav Sta No. 27 631" 631.3

Blanding, 4.0 mi N. of; 0.13 mi E. of center of sec. 16; T. 27 N., R. 1 E.; public rd. crossing, S. of rd. on bank, 40 ft W. of RR., 8 ft W. of line of RR. right-of-way fence; iron post stamped "614" (Reported not found 7/67 DDH) 614.0

Galena Junction, in SE. cor. of cap on S. pier of Chicago, Burlington and Quincy RR. drawbridge across Galena River; aluminum tablet stamped "606" 606.2

Galena Quadrangle
279 Ill., 162 Ia.

ISOLATED BENCH MARKS (Cont'd.)

GALENA QUAD., 279 Ill., 162 Ia. Feet

- Galena, at NE. cor. of C.B. & Q. RR. station grounds, 36.3 ft NE. of NE. cor. of building; 3.6 ft from telephone pole; 7.1 ft SW. of SW. cor. of public bridge over Galena River; iron post stamped "603" (Reported not found 6/67 DDH) 603.2
- Galena, 3.0 mi NW. of; near NE $\frac{1}{4}$ cor. of sec. 2; T. 28 N., R. 1 W.; at NW. cor. of Y-rd., in field, 14 ft N. of E. and W. fence, 1.7 ft W. of N.-S. fence; iron post stamped "867" (Reported not found 6/67 DDH) 866.8
- Galena, about 5.0 mi N. of; near center sec. 24; T. 29 N., R. 1 W.; at NE. cor. of crossroads, in field, 3.5 ft N. of E.-W. fence, 3 ft E. of N.-S. fence; iron post stamped "929" 928.7
- Days Siding, W. of center of sec. 22; T. 29 N., R. 1 E.; 15 yards N. of RR. at intersection of rd. crossing Chicago and Northwestern RR.; 1.5 ft S. of old board and wire fence, near an old braced telephone pole; iron post stamped "670" (Reported not found 6/67 DDH) 669.3
- Days Siding, 1.0 mi S. of; near center of sec. 27; T. 29 N., R. 1 E.; at NE. cor. of Y-rd.; 1.6 ft S. of E.-W. fence, 8 ft E. of fence corner; iron post stamped "Prim Trav Sta No. 23 864" 863.5
- Council Hill, 2.57 mi E. of; in SW $\frac{1}{4}$ sec. 21; T. 29 N., R. 2 E.; 290 ft W. of wagon rd. which passes under stone culvert "W 155-56", on right-of-way; 2 ft S. of fence; iron post stamped "835" (Reported not found 8/67 DDH) 834.7
- Scales Mound, 22 paces N. of I.C. RR., 25 paces SW. of James Allen's general store, in center of small triangle; iron post stamped "948" 948.0
- Mount Morley School, in SE $\frac{1}{4}$ of sec. 26; T. 28 N., R. 2 E.; at SW. cor. of T-rd. opposite schoolhouse, 25 ft E. of fence corner; iron post stamped "Prim Trav Sta No. 18 1043" (Reported not found 8/67 DDH) 1042.7
- Mount Morley School, 3.0 mi W. of; near center of sec. 29; T. 28 N., R. 2 E.; 570 ft E. of Y-rd. in field N. of rd., 2 ft N. of fence; iron post stamped "1067" 1066.2
- Scales Mound, at SW. cor. of schoolhouse ground, 2.8 ft N. of wooden E.-W. sidewalk, on N. side of schoolhouse; iron post stamped "Prim Trav Sta 17 956" 955.6
- Scales Mound, 2.0 mi S. of; near center of sec. 2; T. 28 N., R. 2 E.; at cheese factory, 400 ft E. of Y-rd., in top of S. side of W. abutment wall of iron bridge; aluminum tablet stamped "833" 832.9
- T. 29 N., R. 1 W.; in SE $\frac{1}{4}$ sec. 28; 0.2 mi S. of schoolhouse No. 3; at Bodell's Four Corners, on S. side of rd. junction; standard iron post with bronze cap stamped "Prim Trav Sta No. 25 1906 658" 658.4