

49

PACKWOOD QUADRANGLE
WITH OVEREDGE

IOWA

UNITED STATES DEPARTMENT OF THE INTERIOR
Wapello and Jefferson
Counties

GEOLOGICAL SURVEY

1929 G.A.

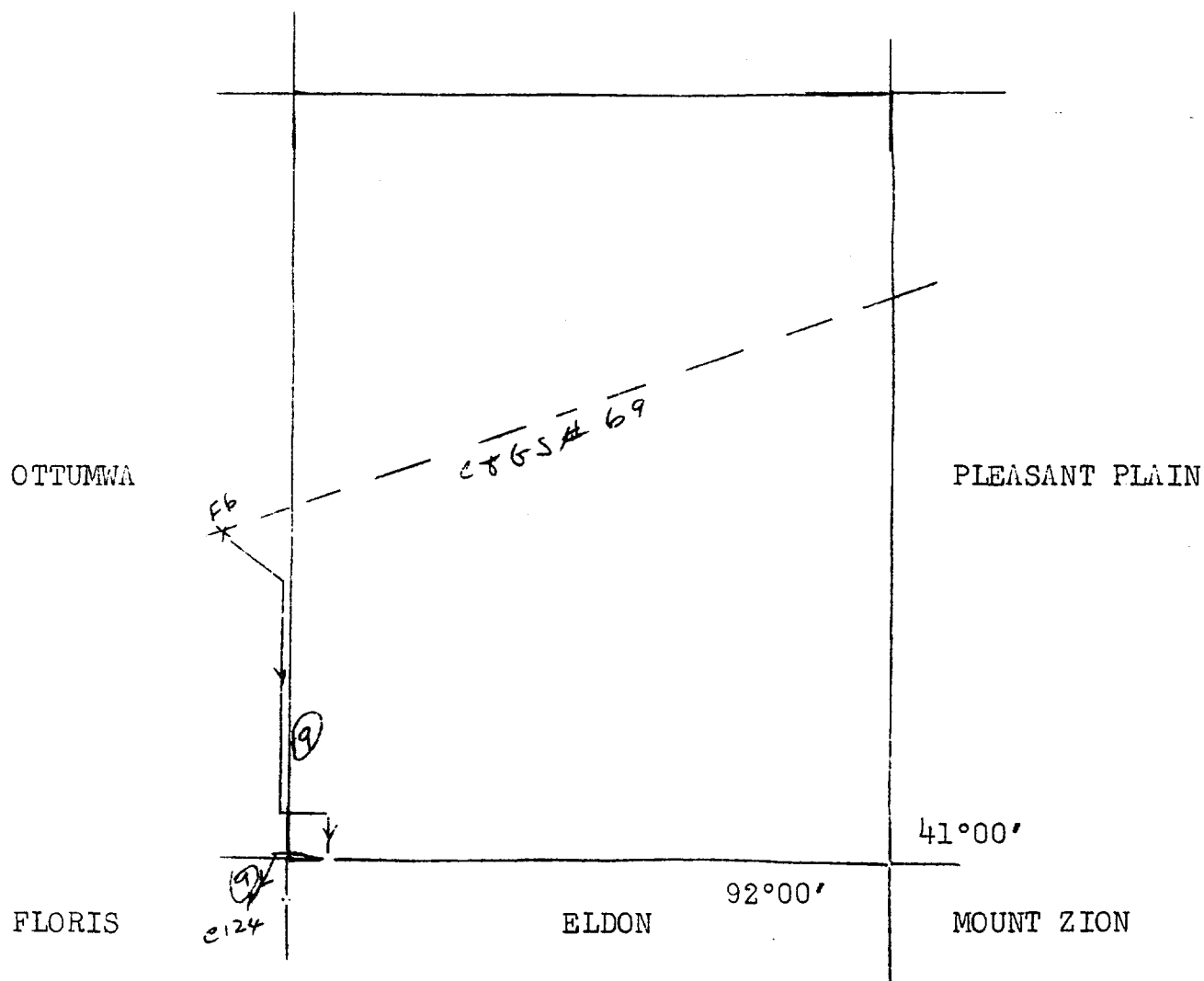
LEVELS by M.V. Thompson and R.E. Carey, 1955

NOTE: Pages 6 to 8, 14 to 17 and 40 to 44 apply to this quadrangle.

WHAT CHEER

SIGOURNEY

WELLMAN



49

PACKWOOD QUADRANGLE
WITH OVEREDGE

IOWA

INDEX OF LEVELS BY
M.V. THOMPSON AND R.E. CAREY, 1955

1929 G.A.

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9 MT 1955	6	CV-693-a	1
10 MT 1955	6	"	1
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T T 35 MT 1955	16	"	4
T T 34 MT 1955	17	"	4
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121 RC 1955	41	"	9
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C 124 1935	7,44	CV-693-a,691-b	1,9
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U.S.C. & G.S. AND STATE MARKS

90 NO 5	16	CV-693-b	4
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 FLORIS QUADRANGLE IOWA M. V. Thompson
 Book CV 693-a
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Page 6.

Feet

LINE 1. (Continued)

ELDON QUADRANGLE - 28 Iowa

1	51	20.9	U.E., spike in power pole, 30 ft N. of rd., 100 ft W. of sharp curve and 500 ft S. of house, painted 782.6	782.81
	52	21.3	R.M., spike in power pole, 75 ft S., and 50 ft E. of centerline of rd. at T-rd. W., 550 ft SE. of tablet	788.60
	53	21.4	Eldon, 3.0 mi N., and 1.0 mi W. of, near the N. 1/16 cor. secs. 15 and 16, T. 71 N., R. 12 W., 510 ft N. of a Y-rd. NW., 49 ft W. of centerline of State Highway 16, 1 ft E. of fence, 1 ft SW. of power pole, in a concrete post; a standard tablet stamped "9 MT 1955 788 T T "	788.167
	54	22.0	U.E., copper nail and washer in centerline of highway at center of culvert, painted 766.3	766.50
	55	22.4	U.E., copper nail and washer at center of crossroads, painted 794.7	794.84
	56	22.9	R.M., spike in power pole, 200 ft S. of tablet, 70 ft E. of highway	797.08
	57	22.9	Eldon, 4.5 mi N., and 1.0 mi W. of, 237 ft S. of a crossroads, at the quarter cor. secs. 3 and 4, T. 71 N., R., 12 W., 70 ft E. of centerline of Highway 16, 1 ft W. of fence, 2 ft E. of power pole, in a concrete post; a standard tablet stamped "10 MT 1955 798 T T "	798.208
	58	23.8	U.E., copper nail and washer at center of RR. crossing, painted 804.6	804.74
	59	24.1	U.E., copper nail and washer at center of crossroads, painted 800.1	800.21

FLORIS QUADRANGLE - 29 Iowa

60	24.6	U.E., copper nail and washer in centerline of rd. at fence S., painted 800.6	800.72
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Feet

LINE 1. (Continued)

FLORIS QUADRANGLE - 29 Iowa

1	61	25.2	U.E., copper nail and washer, in center- line of rd. at private drive S., painted 799.7	799.73
	62	25.7	U.E., copper nail and washer in center- line of rd. at T-rd. S., painted 781.9	781.91
	63	26.0	2.1 mi E. along the Chicago, Burlington & Quincy RR. from the station at Agency City, Wapello County, at a rd. crossing, 78 ft N. of the centerline of the N. track, 24 ft W. of the centerline of the rd., 4 ft SW. of a fence corner, 1 ft S. of the fence, and level with the track, a standard disk stamped "C 124 1935" and set in the top of a concrete post (Recovered in good condition)	797.964

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LINE 2.

ELDON QUADRANGLE - 28 Iowa

CHECK LINE EAST IN NORTHWEST PORTION OF QUADRANGLE (by M. V. Thompson, 1955; Book CV 693-a)

1	65	0.0	U.E., copper nail and washer at center of RR. crossing	804.74
		1.0	U.E., copper nail and washer at railway crossroad, centerline N. track at centerline N.-S. rd.	797.93
66	2.0		In Wapello County, 1.6 mi W. along the Chicago, Burlington & Quincy RR., from the station at Batavia, Jefferson County, at a rd. crossing, 54 ft N. of the centerline of the N. track, 33 ft W. of the centerline of the rd., 1 ft S. of a fence, and about 3 ft lower than the track, a standard disk stamped "E 124 1935" and set in the top of a concrete post. (Recovered in good condition)	778.184

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OTTUMWA QUADRANGLE IOWA M. V. Thompson
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Feet

LINE 3. (Continued)

OTTUMWA QUADRANGLE - 50 Iowa

- | | | | | |
|----|------|---|---|---------|
| 2 | 43 | 18.9 | U.E., copper nail and washer in tie at S. end of RR. Bridge 1-30 ⁴ , 0.5 mi S. of milepost 16, painted 670.7 | 670.64 |
| 44 | 19.4 | About 1.8 mi SW. along the Chicago, Milwaukee, St. Paul and Pacific RR. from the station at Hayesville, Keokuk County, at milepost 16, 39 ft SE. of the center of a public rd. crossing, 14 ft S. of the centerline of the rd., 8 ft W., and 1 ft N. of a right-of-way fence corner, and about level with the rail, a standard disk stamped "R 86 193 ⁴ " and set in the top of a concrete post. (Recovered in good condition) | | 691.160 |

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Feet

LINE 4.

OTTUMWA QUADRANGLE - 50 Iowa

SOUTH ALONG NORTH PORTION EAST BORDER (by M.V. Thompson, 1955;
 Bk. CV 693-b)

2	46	0.0	U.S.C. & G.S. standard disk stamped "R 86 1934" (Previously described in Line 3)	691.160
		0.7	U.E., copper nail and washer in wooden floor of steel truss bridge at center- line of channel (Skunk River), painted 670.9	670.87
47	1.3		U.E., painted square, on top of N. end of metal pipe culvert, 40 ft NW. of cross- roads, painted 723.4	723.4
48	1.8		Martinsburg, 3.6 mi N. of., at the quarter cor. secs. 8 and 9, T. 74 N., R. 12 W., 55 ft S. of fence corner, 34 ft E. of centerline of rd., 1 ft W. of fence, 2 ft S. of power pole, in a concrete post; a standard tablet stamped "T T 38 MT 1955 795"	794.707
49	1.9		R.M., spike in telephone pole, 30 ft E. of rd., and 400 ft S. of tablet	784.34
		2.4	U.E., copper nail and washer in center of E. curb-rail of bridge	701.14
50	3.4		U.E., spike in telephone pole, 40 ft NE. of crossroads, painted 801.6	801.65
51	3.8		Martinsburg, 1.5 mi N. of, near the center of NW $\frac{1}{4}$ sec. 21, T. 74 N., R. 12 W., 303 ft N. of crossroads near SE. corner of yard of farm residence. 31 ft W. of centerline of rd., 2 ft SE. of fence cor- ner, 8 ft S. and 3 ft E. of power pole, in a concrete post; a standard tablet stamped "T T 37 MT 1955 814"	814.129
		3.9	R.M., spike in telephone pole, 40 ft NE. of crossroads, 260 ft S. of tablet	809.86

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LINE 4. (Continued)

OTTUMWA QUADRANGLE - 50 Iowa

2	52	4.4	U.E., spike in power pole, 35 ft E. of T-rd. W., painted 814.1	814.19
	53	5.1	U.E., copper nail and washer, 18 inches S. of center of railway crossing in Martinsburg, painted 813.0	813.10
	54	5.4	U.E., centerline Highway 149 in Martins- burg, at T-rd. N., painted 809.3	809.35
		5.6	U.E., copper nail and washer at center of T-rd. S., at W. edge of Martinsburg, painted 802.5	802.50
	55	6.1	U.E., spike in telephone pole at fence corner 40 ft E. of rd., painted 808.3	808.31
	56	6.6	R.M., spike in power pole, 40 ft NW. of crossroads, 250 ft SW. of tablet	795.45
	57	6.6	Martinsburg, 1.0 mi S. and 0.3 mi W. of, 285 ft N. of crossroads at cor. secs. 4, 5, 32, and 33, Tps. 73 and 74 N., R. 12 W., 33 ft E. of centerline of rd., 1 ft W. of fence, 2 ft S. of telephone pole, in a concrete post a standard tablet stamped "T T 35 MT 1955 800"	800.265
	58	7.1	U.E., spike in N. post of gate at field entrance and field line E., 40 ft E. of centerline of rd., painted 793.2	793.27
	59	7.6	U.E., spike in telephone pole, 50 ft SW. of crossroads, painted 803.2	803.29
	60	8.1	U.E., spike in telephone pole, 50 ft SW. of T-rd. W., painted 785.3	785.34
	61	8.4	Farson, 1.0 mi N. of, 0.15 mi S. of a T-rd. W., at the quarter cor. secs. 8 and 9, T. 73 N., R. 12 W., in the yard of a farm residence, 44 ft E. of centerline of rd., 55 ft N. of S. fence of yard, 8 ft S. of centerline of driveway, in a concrete post; a U.S.C. & G.S. and State Survey disk two inches below surface of ground and stamped "90 No. 5" (Desc. & elev. by U.S.G.S.)	804.781

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LINE 4. (Continued)

OTTUMWA QUADRANGLE - 50 Iowa

- 2 61 8.6 R.M., spike in corner fence post, 50 ft
NE., of T-lane E., and 560 ft N. of
tablet 804.87
- 8.7 Farson, 0.7 mi N. of, 545 ft S. of a
T-lane E., at cor. secs, 8, 9, 16, and
17, T. 73 N., R. 12 W., 98 ft N. of
fence corner, 32 ft E. of centerline
of rd., 2 ft W. of fence, 3 ft SE. of
telephone pole, in a concrete post; a
standard tablet stamped "T T 34 MT 1955
803" 802.833
- 62 9.6 U.E., copper nail and washer in center of
railway crossing at Farson, 600 ft W. of
railway station, painted 801.0 801.03
- 63 10.1 U.E., copper nail and washer in plank, 1 ft
S. of center of dim field entrance railway
crossing (fence to S. from crossing),
painted 790.8 790.81
- 64 10.6 About 1.5 mi W. along the Chicago, Milwaukee
St. Paul & Pacific RR. from the station at
Farson, Wapello County, at bridge 1-1134,
in the top of the E. abutment, and N. of
the track, a standard disk stamped "F 6
RESET 1943" (772.813 ft). NOTE: This
B.M. was established and its elevation
determined by engineers of the Chicago,
Milwaukee, St. Paul & Pacific RR. in
May, 1943. 772.813
- 66 11.8 U.E., copper nail and washer in center of
railway crossing 777.05
- 67 12.8 About 3.0 mi SW. along the Chicago, Mil-
waukee, St. Paul & Pacific RR. from Farson,
Wapello County, at bridge 1-1138 over a
N. and S. highway, and in the guard-rail
of the NW. wingwall, a standard disk
stamped "751.127 E 6 1930" 751.127

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LINE 9.

OTTUMWA QUADRANGLE - 50 Iowa

SOUTH ALONG SOUTH PORTION EAST BORDER (by R. E. Carey, 1955;
 Bk. CV 691-b)

- | | | | | |
|---|-----|-----|---|---------|
| 2 | 1 | 0.0 | U.S.C. & G.S. Standard disk stamped "F 6
RESET 1943" (Previously described in
Line 4) | 772.813 |
| | | 0.3 | U.E., T. 73 N., R. 12 W., near quarter cor-
ner between secs. 19 and 20, centerline
rd. at T-rd. N., painted 736.0
(Ottumwa, Flt. 1- Photo No. 1-10) | 736.0 |
| 2 | 1.3 | | U.E., T. 73 N., R. 12 W., near quarter cor-
ner between secs. 20 and 21, centerline of
crossroads, painted 791.5
(Ottumwa Flt. 1 - Photo No. 1-10) | 791.5 |
| 3 | 1.8 | | U.E., T. 73 N., R. 12 W., near cor. secs.
20, 21, 28, and 29, centerline rd. at T-rd.
E., painted 772.5
(Ottumwa Flt. 1 - Photo No. 1-10) | 772.5 |
| 4 | 2.4 | | Centerline of rd., at T-rd. N., 33 ft N.,
and 251 ft E. of 120 RC
(Ottumwa Flt. 1- Photo No. 1-9) | 728.2 |
| | 2.4 | | Farson, 1.75 mi S. of, 33 ft S., and 251 ft
W. of T-rd. N., which is near quarter cor-
ner between secs. 28 and 29, T. 73 N., R.
12 W., 33 ft S., and 151 ft E. of the E.
end of Wolf Creek Bridge, 33 ft S., of rd.,
at "Y"-rd. NE., 1 ft N., and 2 ft E. of
power line pole, 1 ft N. of fence line, in
concrete post; standard tablet stamped
"120 RC 1955 725", painted B.M. 725.2
(Ottumwa Flt. 1 - Photo No. 1-9) | 725.204 |
| 5 | 2.3 | | R.M., 33 ft N., and 185 ft W. of tablet,
centerline of bridge over Wolf Creek;
copper nail and washer, painted R.M.
Water - 9.1 = 718.3
(Ottumwa Flt. 1 - Photo No. 1-9) | 727.34 |

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LINE 9. (Continued) OTTUMWA QUADRANGLE - 50 Iowa

- 2 5 3.1 U.E., T. 73 N., R. 12 W., near E. 1/16
 corner between secs. 29 and 32, center-
 line of rd. at private drive W., painted
 767.3
 (Ottumwa Flt. 1 - Photo No. 1-9) 767.2
- 6 3.6 U.E., T. 73 N., R. 12 W., about 0.25 mi W.
 of quarter corner between secs. 32 and 33,
 centerline E.-W. rd. at T-rd. N., painted
 743.6
 (Ottumwa Flt. 1 - Photo No. 1-9) 743.6
- 4.0 U.E., T. 73 N., R. 12 W., about 0.2 mi E.
 quarter corner between secs. 32 and 33,
 centerline of bridge over Wolf Creek;
 copper nail and washer, (13.2 ft above
 water level 8-10-55), painted 716.7
 (Ottumwa Flt. 1 - Photo No. 1-9) 716.67
- 7 4.0 Centerline rd. at T-rd. S., about 0.25 mi
 E., quarter corner between secs. 32 and
 33, T. 73 N., R. 12 W.
 (Ottumwa Flt. 1 - Photo No. 1-9) 717.1
- 4.7 Centerline rd. at T-rd. N., 37 ft N. and
 351 ft E. of 121 RC
 (Ottumwa Flt. 1 - Photo No. 1-9) 739.6
- 4.7 Farson, 3.25 mi S. of, 2.0 mi N., and 1.0 mi
 W. of Bladensburg, about 0.2 mi E., cor.
 secs. 4, 5, 32, and 33, Tps. 72 and 73 N.,
 R. 12 W., 37 ft S., and 351 ft W. of a T-rd.
 N., 1 ft N., and 11 ft E. of corner post of
 T-fence S., in concrete post; standard tab-
 let stamped "121 RC 1955 735", painted
 B.M. 734.7
 (Ottumwa Flt. 1 - Photo No. 1-9) 734.674
- 8 5.1 T. 72 N., R. 12 W., about 0.2 mi S., cor.
 secs. 4, 5, 32, and 33, centerline of bridge
 over Cedar Creek; copper nail and washer,
 (18.8 ft above water level -8-10-55),
 painted 713.0
 (U.E. = P P B Flt. 1 - Photo No. 1-9,
 Ottumwa Quad.) 712.93

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LINE 9. (Continued)

OTTUMWA QUADRANGLE - 50 Iowa

- | | | | | |
|----|-----|-----|--|---------|
| 2 | 8 | 5.7 | U.E., T. 72 N., R. 12 W., about 0.2 mi S., quarter corner between secs. 4 and 5, centerline rd. at private drive E., painted 751.3
(Ottumwa Flt. 1 - Photo No. 1-9) | 751.2 |
| 9 | 6.0 | | U.E., T. 72 N., R. 12 W., near cor. secs. 4, 5, 8, and 9, 24 ft W., and 4.8 ft lower centerline rd. at junction of S. "Y" of T-rd. W., on W. end pipe culvert, painted square; painted 755.4
(Ottumwa Flt. 1-Photo No. 1-9) | 755.3 |
| | 6.4 | | U.E., T. 72 N., R. 12 W., about 0.1 mi N., quarter corner between secs. 8 and 9, near the center of the E. concrete head-wall of culvert chiseled square, about 0.5 ft above floor of bridge, (9.7 ft above water level 8-11-55), painted 724.7
(Ottumwa Flt. 1 - Photo No. 1-8) | 724.67 |
| 10 | 6.9 | | Centerline of crossroads, 525 ft N., and 33 ft E. of 122 RC
(Ottumwa Flt. 1 - Photo No. 1-8) | 755.6 |
| | 7.0 | | Bladensburg, 1.0 mi W. of, 525 ft S., and 33 ft W. of crossroads which are near cor. secs. 8, 9, 16, and 17, T. 72 N., R. 12 W., 10 ft N. of a power line pole, 1.0 ft E. of fence line, in concrete post; standard tablet stamped "122 RC 1955 764", painted B.M. 763.8
(Ottumwa Flt. 1 - Photo No. 1-8) | 763.738 |
| 11 | 7.7 | | P P B Flt. 1 - Photo No. 1-8 = rd. at fence W. (Ottumwa Quad.) | 779.1 |
| | 7.9 | | U.E., T. 72 N., R. 12 W., near cor. secs. 16, 17, 20, and 21, centerline of crossroads, painted 789.2
(Ottumwa Flt. 1 - Photo No. 1-8) | 789.1 |

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LINE 9. (Continued)

OTTUMWA QUADRANGLE - 50 Iowa

- 2 12 8.7 U.E., T. 72 N., R. 12 W., about 0.2 mi
 S. quarter corner between secs. 20 and
 21, centerline rd. at T-rd. N., painted
 782.6
 (Ottumwa Flt. 1 - Photo No. 1-8) 782.5
- 13 8.9 U.E., T. 72 N., R. 12 W., in the SW $\frac{1}{4}$ of sec.
 21, on E. end and near the center of
 concrete floor of bridge over Buckeye
 Creek, (8.7 ft above water level 8-11-55);
 chiseled square, painted 731.2
 (Ottumwa Flt. 1 - Photo No. 1-8) 731.11
- 14 9.2 Bladensburg, 1.75 mi S., and 0.5 mi W. of,
 near S. central 1/16 corner of sec. 21,
 T. 72 N., R. 12 W., 19 ft S., 24 ft E.,
 and 5.5 ft higher centerline rd. at hedge
 row N., 12 ft E. centerline of a wire gate,
 2 ft E. of power line pole, 2 ft N. of
 fence line, in concrete post; standard
 tablet stamped "123 RC 1955 784",
 painted B.M. 783.7 783.638
- PACKWOOD QUADRANGLE - 49 Iowa
- 15 9.7 U.E., T. 72 N., R. 12 W., near S., 1/16
 corner between secs. 21 and 22, centerline
 of rd. at T-rd. W., painted 787.5
 (Ottumwa Flt. 1 - Photo No. 1-8) 787.4
- 10.4 U.E., T. 72 N., R. 12 W., near quarter corner
 between secs. 27 and 28, 91 ft N., and 44 ft
 E. of crossroads, in root on NW. side of a
 24-in. maple tree; copper nail and washer,
 painted 790.3
 (Ottumwa Flt. 1 - Photo No. 1-8B) 790.14
- 16 10.4 Centerline crossroads, 91 ft S., and 44 ft
 W. of U.E. 790.0
- 10.9 R.M., 56 ft N., and 15 ft W. of tablet, on
 the SE. corner of concrete porch of school
 house; chiseled square 781.83

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LINE 9. (Continued)

PACKWOOD QUADRANGLE - 49 Iowa

- 2 16 10.9 Blandensburg, 3.0 mi S. of, 0.5 mi N.,
and 3.5 mi E. of Agency, 377 ft N., and
40 ft W. of rd. at E.-W. fence line which
is near cor. secs. 27, 28, 33, and 34,
T. 72 N., R. 12 W., 51 ft S., and 19 ft
E. of the SE. corner of school house, 4 ft
N. of telephone pole, at SE. corner of
school yard, in concrete post; standard
tablet stamped "124 RC 1955 783", painted
B.M. 783.0
(Ottumwa Flt. 1 - Photo No. 1-8B) 782.903
- 17 10.9 Centerline rd. at E.-W. fence line, 377 ft
S. and 40 ft E. of 124 RC
(Ottumwa Flt. 1 - Photo No. 1-8B) 784.4

FLORIS QUADRANGLE - 29 Iowa

- 18 12.4 T. 72 N., R. 12 W., near quarter corner be-
tween secs. 32 and 33, center of Highway
34, at drive N. to barn yard; copper nail
and washer (Ottumwa Flt. 1 - Photo No. 1-8B)
(probably a P.P. on the Floris Quad.) 803.76
- 19 13.4 U.S.C. & G.S. standard disk stamped "C 124
1935" (Previously described in Line 1)
(Ottumwa Flt. 1 - Photo No. 1-8B) 797.964

THIRD ORDER LEVELS
SEA LEVEL DATUM OF 1929
FINAL ADJUSTMENT OF 1967

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PACKWOOD QUADRANGLE
49 - IOWA
N4100-W9200/15
DIAGRAM NK 15-8
DES MOINES, IOWA

Counties: Jefferson, Keokuk,
Wapello

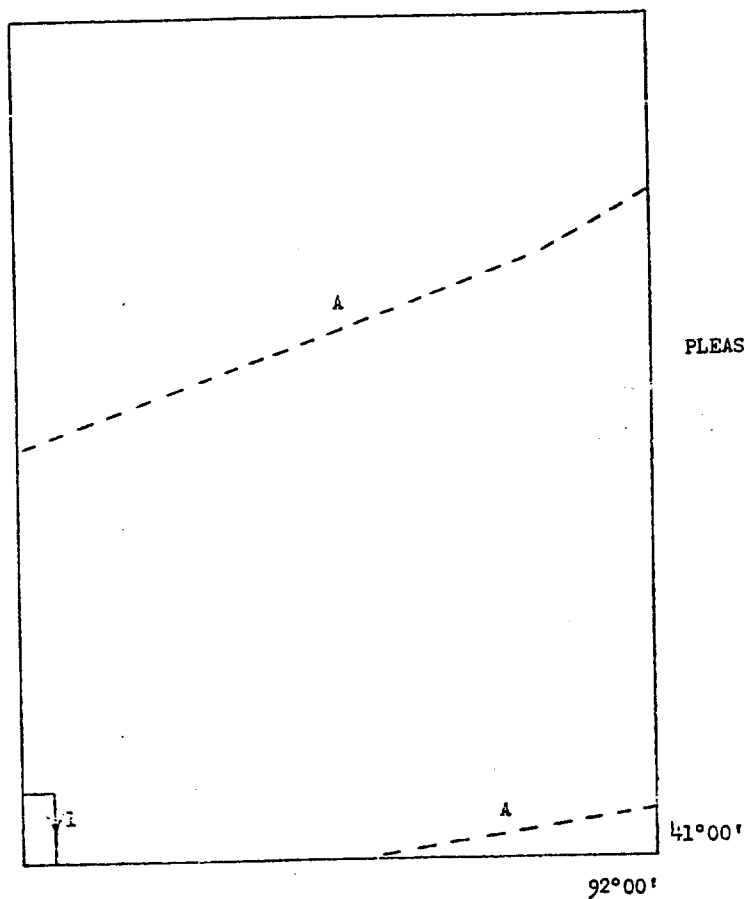
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SIGOURNEY
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OTTUMWA NORTH
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PLEASANT PLAIN
48



ELDON
28

USC&GS LEVELING
A=Quadrangle No. 410922

LINE 1

FEET

R. E. Carey, 1955; Book CV-692

9.7	UE, T. 72 N., R. 12 W., near S., sixteenth corner between secs. 21 and 22, center of rd. at T-rd. W.	787.4
10.4	UE, T. 72 N., R. 12 W., near quarter corner between secs. 27 and 28, 91 ft N., and 44 ft E. of crossroads, in root on NW. side of a 24-in. maple tree; copper nail and washer	790.14
10.4	Center of crossroads, 91 ft S., and 44 ft W. of UE.	790.0
10.9	Reference Mark, 56 ft N., and 15 ft W. of tablet, on the SE. corner of concrete porch of school house; chiseled square	781.83
5.7	UE, T. 72 N., R. 12 W., about 0.2 mi S., quarter corner between secs. 4 and 5, center of rd. at private drive E., painted 751.3 (Ottumwa Flt. 1-Photo No. 1-9)	751.2
6.0	UE, T. 72 N., R. 12 W., near cor. secs. 4, 5, 8, and 9, 24 ft W., and 4.8 ft lower center of rd. at junction of S. "Y" of T-rd. W., on W. end pipe culvert, painted square; painted 755.4 (Ottumwa Flt. 1-Photo No. 1-9)	755.3
6.4	UE, T. 72 N., R. 12 W., about 0.1 mi N., quarter corner between secs. 8 and 9, near the center of the E. concrete headwall of culvert chiseled square, about 0.5 ft above floor of bridge, (9.7 ft above water level 8-11-55), painted 724.7 (Ottumwa Flt. 1 - Photo No. 1-8)	724.67
6.9	Centerline of crossroads, 525 ft N. and 33 ft E. of 122 RC (Ottumwa Flt. 1 - Photo No. 1-8)	755.6
7.0	Bladensburg, 1.0 mi W. of, 525 ft S., and 33 ft W. of crossroads which are near cor. secs. 8, 9, 16, and 17, T. 72 N., R. 12 W., 10 ft N. of a power line pole, 1.0 ft E. of fence line, in concrete post; standard tablet stamped "122 RC 1955 764", painted B.M. 763.8 (Ottumwa Flt. 1 - Photo No. 1-8)	763.738
7.7	P P B Flt. 1 - Photo No. 1-8 = rd. at fence W. (Ottumwa Quad.)	779.1
7.9	UE, T. 72 N., R. 12 W., near cor. secs. 16, 17, 20, and 21, center of crossroads, painted 789.2 (Ottumwa Flt. 1 - Photo No. 1-8)	789.1
10.9	Bladensburg, 3.0 mi S. of, 0.5 mi N., and 3.5 mi E. of Agency, 377 ft N., and 40 ft W. of rd. at E.-W. fence line which is near cor. secs. 27, 28, 33, and 34, T. 72 N., R. 12 W., 51 ft S., and 19 ft E. of the SE. corner of school house, 4 ft N. of telephone pole, at SE. corner of school yard, in concrete post; standard tablet stamped "124 RC 1955 783"	782.903
10.9	Center of rd. at E.-W. fence line, 377 ft S. and 40 ft E. of 124 RC	784.4