

Cupboard	1
Shelf	2
No.	5

TRIANGULATION,

4 1876
 CAL RECORDS.
 Section.
 Dr. Kamp
 change of party.
 U. S. Geographical Surveys West of 100th Meridian.

3.206665

A
B
C
D
E
F
G
H

I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

E
F
G
H

I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

Q
R
S
T
U
V
W
X
Y
Z

U
V
W
X
Y
Z

Y
Z

Date: August 28, 1876.
 Station: NW Emma

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.	
	Vernier A.	B.			
East Barn	0	301° 51' 5"	50' 35"	50' 50"	
West "	1	355 18 5	17 40	17 52	320 47 25
"	6	262 37 50	37 55	37 52.5	
West Barn	0	262 37 50	37 55	37 52.5	
Mr Raw	1	267 50 35	50 45	50 40.0	31 15 20.0
"	6	293 53 5	53 20	53 12.5	31
Mr Raw	0	293 53 5	53 20	53 12.5	
Mr Davidson	1	83 8 5	8 0	8 2.5	895 27 35.0
Flagstaff	6	109 20 45	20 50	20 47.5	
Mr Davidson	0	109 20 45	20 50	20 47.5	
East Barn	1	261 28 10	28 15	28 12.5	912 32 17.5
"	6	301 52 55	53 5	53 0.0	
Mr Davidson highest pt		301 51 45	51 40	51 42.5	
" flagstaff		301 52 55	53 5	53 0.0	
East Barn	0	0	0	0	
Mr Raw		58 40 20	40 10		
		71 46 5	46 0		
		74 40 0	39 20		
		83 52 55	32 31		
		92 12 30	12 20		
		96 23 45	23 21		

360
 2160
 40
 40
 80
 40
 10. 400

Observer: H. J. B. & Co
 Instrument: Faulstich 10.

READINGS.	MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.
53° 27'	50.4 - 5.6	53 27 44.8	Very heavy wind from East. velocity about 40 miles per hour.
5 12	33.3 - 5.6	5 12 27.7	
149 14	35.8 - 5.6	149 14 30.2	
152 5	22.9 - 5.6	152 5 17.3	
		293 53.12.5	
		262.37.52.5	
		20	
360.	293.53		
	66 7		
	293.53.5		
	262 37.50		
	31.15.15		
360.	293.53.5		

Date: August 29. 76.
 Station: West Barn

Observer: H. J. K.
 Instrument: Tautner & Co. 10.

OBJECTS	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.
	Vernier A.	B.		
W Emma	0	17° 33' 55"	34' 10"	34' 2.5"
East Barn	1	120 15 25	15 30	102 42 30
	6	273 43 30	43 30	61.6 9 27.5
East Barn	0	273 43 30	43 30	84 7
W Raw	1	357 51 35	50 55	50 47.5
	6	58 25 35	25 0	25 17.5
W Raw	0	58 25 35	25 0	25 17.5
W Emma	1	231 35 40	36 5	173 10 30.0
	6	17 28 55	28 20	28 37.5
W Emma	0	17 28 55	28 20	28 37.5
W Raw	1	204 17 50	17 45	186 49 50.0
	6	58 21 40	20 55	21 17.5
W Raw		58 21 40		
Acce on high mt		78 44 45		
Knoll - gold		77 11 35		
		95 18 6		
W Kase		182 36 0		
Rose		205 44 25		
feather mansion		223 13 45		
W Emma		231 31 55		
Hills N. E.	1	282 18 30		
East Barn		290 57 40		
Needle		334 14 5		
		298 34 5		

OBJECTS	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.
	Vernier A.	B.			
					very heavy wind from North West.
				102° 41' 34.6" + 13.7	102° 41' 48.3
				84° 6' 57.9" + 13.7	84 7 11.6
				173 10 33.3 + 26.8	17.3 11 0.1
				186 48 46.7 + 13.2	186 48 59.9
					of Suro
					rocky sharp

Date: August 29, 1876
 Station: East Bar

Observer: J. J. B.
 Instrument: Tautner & Co. 10.

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.
	Vernier A.	B.		
Mr Raw	0	264° 19' 50"	19' 50"	62 8
West Bar	1	323 28 10	27 50	172 48 45
"	6	274 8 35	8 40	8 37.5
West Bar	0	274 8 35	8 40	8 37.5
Mr Davidson	1	308 34 0	33 55	34 25 7.5
"	6	120 35 45	35 35	35 40
Mr Dav.	0	120 35 45	35 35	35 40
Raw	1	24 2 30	2 5	263 26 40
"	6	261 15 40	16 0	15 50
Mr Emma	0	261 15 40	16 0	15 50
Mr Davidson	1	271 50 0	50 35	10 30 12.5
"	6	324 46 15	45 50	46 2.5
West Bar	0	320 46 15	45 50	46 2.5
Mr Emma	1	348 35 0	34 45	23 48 47.5
"	6	107 40 50	40 50	40 50.0
Mr Raw	0	107 40 50	40 50	40 50
Mr Emma	1	193 38 45	39 0	85 53 51.5
"	6	263 27 45	28 5	27 55
Mr Emma	0	263 27 45	28 5	
Davidson		274 2 30	3 0	
Hills north		311 38 25	38 0	
"		323 46 10	45 50	

READINGS.	MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.
62 8	7.5	+21.5	62° 8' 29.0
34 24	30.4	+17.7	34 24 48.1
263 26	41.7	+1.2	263 26 42.9
10 35	2.1	-16.5	10 34 45.6
23 48	57.9	+3.8	23 49 1.7
85 57	50.8	-20.1	85 57 30.7

corrections by method of least squares

Very heavy wind. Westward signal further visible, heavy wind at Mr Emma

rocky sharp.

Date: August 29, 1876
 Station: Saw Ban

Observer: D. J. K.
 Instrument: Jantze & Co. 10.

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.
	Vernier A.	B.		
Mr Raw	177° 29' 35"	30' 0"		
	199 12 10	12 30		
	234 17 55	18 10		
Went Ban	239 28 5	38 10		
mansion of huts	248 25 30	25 45		
Mr Kall	250 0 0	0 0		
Mr Rose	256 9 50	10 0		
Mr Emma	263 28 0	28 5		
Necdee	203 26 30			

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.
	Vernier A.	B.			
					work of Cass on
					fly off

Date: August 31st 1876
Station: East Ban

Observer: D. J. K.
Instrument: Tauter & Co 10.

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.
	Vernier A.	B.		
West Ban	59° 54' 15"	54' 0"	54 7.5	
Mt Emma	83 43 55	43 45	142 56 95.0	
	6 202 50 30	50 55	50 42.5	
Mt Emma	202 50 30	50 55	50 42.5	
Mt Davidson	213 25 40	26 5	63 29 27.5	
	6 266 20 0	20 20	20 10.0	
West Ban	266 20 0	20 20	20 10.0	
Mt Davidson	300 44 30		246 26 7.5	
	6 112 46 15	46 20	46 17.5	
Mt Raw	112 46 15	46 20	46 17.5	
West Ban	174 53 40		372 46 52.5	
	6 125 33 5	33 15	33 10.0	
Mt Raw	125 33 5	33 15	33 10.0	
Mt Emma	211 30 25		515 43 47.5	
	6 281 16 50	17 5	16 57.5	
Mt Raw	281 16 50	17 5	16 57.5	
Mt Davidson	17 50 0		570 15 47.5	
	6 140 32 30	33 0	32 45.0	
Mt Davidson	140 32 30	33 0	32 45.0	
Mt Raw	281 10 0	10 0	10 0.0	

READINGS.	MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.
23° 49' 25.8"			
10 34 54.6			
34 24 21.3			
62 7 48.7			
85 47 17.9			
96 32 37.9			
263 26 12.5			

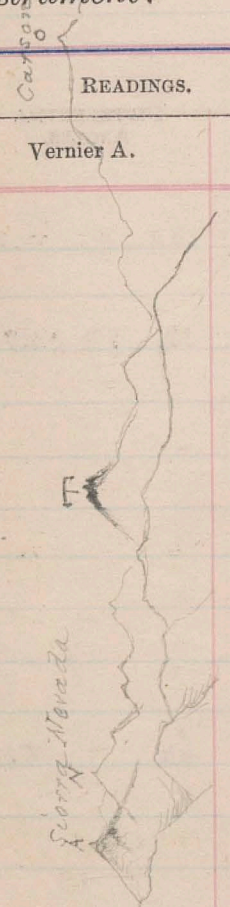
10
83.43
59.54

23 49

Date: August 31st 1876
 Station: East Ban

Observer: J. K.
 Instrument: Tauts & Co. 10.

OBJECTS:	READINGS.			MEAN OF A. & B.	DIFFERENTIAL ANGLES.
	Vernier A.	B.			
A	323° 56' 45"	56' 10"	56 ⁴³ 27.5	258 43 22.5	
Mt Emma	7 4 30				
	6 222° 39' 35"	40' 5"	39 57.0	43 7 13.7	
N	222 39 35	40 5 39 57.0			
Mt Emma	1 264° 59' 55"			258 59 42.5	
	6 116° 39' 35"	39' 30"	39 32.5	42 19 57.1	
T	116 39 35	39 30 39 32.5		229 53 17.5	
Mt Emma	1 154 58 0				
	6 346 33 0	32 40 32 52.0		38' 18 52.9	
O	346 33 0	32 40 32 52.0		174 30 22.5	
Mt Emma	1 15 41 45				
	6 161 27 0	27 25 27 12.5		29 9 3.8	
A	161 27 0	27 25 27 12.5		3 45 15.0	
N	1 162 15 0				
n	6 166 12 10	12 45 12 27.5		0 47 32.5	
N	166 12 10	12 45 12 27.5		24 3 50.0	
T	1 170 13 5				
	6 190 16 5	16 30 16 17.5		4 0 38.3	
T	190 16 5	16 30 16 17.5		54 57 5.0	
O	1 199 25 35				
	6 245 13 15	13 30 13 22.5		9 9 30.8	



Date: August 31st 1876
 Station: East Bar

Observer: J.F.K.
 Instrument: Tenth & Co. 10.

OBJECTS.	READINGS.			MEAN OF A. & B.	DIFFERENTIAL ANGLES.		
	Vernier A.	B.					
A	0	245 13 15	13 30	13 22.5	83	47	50.0
O	1	259 11 5					
	6	329 1 25	1 0	1 12.5	13	57	58.3
A	0	329 1 25					
O	1	342 59 20					
		in clouds					
Mr Raw	0	299 19 55	19 20	19 42.5	372	47	50.0
West Bar	1	1 28 0					
	6	312 7 0	6 45	6 52.5	62	7	51.7
Mr Raw	0	312 7 0	6 45	6 52.5			
Mr Emma	1	38 4 15			515	43	50.0
	6	107 50 50	50 35	50 42.5	85	57	18.3
Mr Raw	0	107 50 50	50 35	50 42.5			
Mr Davidson	1	204 23 0			579	15	47.5
	6	327 6 45	6 15	6 30.0	96	32	37.9
West Bar	0	327 6 45	6 15	6 30.0			
Mr Davidson	1	1 30 45			206	26	15
	6	173 32 30	33 0	32 45	34	24	22.5
West Bar	0	173 32 30	33 0	32 45	142	56	10
Mr Emma	1	197 22 0					
	6	316 29 10	28 40	28 55	23	49	21.7

can
 West Bar, hardly
 to distinguish.

Date: August 31st 1876
 Station: Law Bar

Observer: L.J.B.
 Instrument: Tauter & Co. 10.

OBJECTS.	READINGS.			MEAN OF A. & B.	DIFFERENTIAL ANGLES.
	Vernier A.	B.			
Mr Emma 0	316 29 10	28 40	28 55	62 29 55	
Mr Davidson 1	327 4 20				
" 6	19 59 5	58 35	58 50	10 34 59.2	
Mr Davidson	19 59 5				
S -	09 42 15			sharp point	
from point North	139 38 30				
West Bar	245 24 0				
Mr Kan	355 56 0				
Entris town	354 21 35				
Mr Emma	9 24 5				

OBJECTS.	READINGS.			MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.
	Vernier A.	B.				

Date: West Ban Ceylon 1876
 Station: West Ban

Observer: D. J. K.
 Instrument: Tauts & Co. 10.

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.	
	Vernier A.	B.			
Mr Raw 0	24° 41' 20"	41' 5"	41 12.5	173	
Mr Emma 1	197 51 10			103	1 7.5
" 6	343 42 30	42 10	42 20.0	173	10 11.3
Mr Raw 0	343 42 30	42 10	42 20	79	15
T 1	60 57 25			475	28 20
" 6	99 10 55	10 25	10 40	79	14 43.3
T 0	99 10 55	10 25	10 40	93	5
Mr Emma 1	193 5 30			563	26 25
" 6	302 39 10	39 0	39 5	93	54 44.2
Mr Emma 0	302 39 10	39 0	39 5	126	57
Mr Raw 1	129 28 0			1120	52 15
" 6	343 31 40	31 0	31 20	186	48 42.3
reversed: Mr Emma 0	284 5 5	5 0	5 2.5		
Mr Raw 1	110 55 5			1120	57 2.5
" 6	325 2 10	2 0	2 5.0	186	49 30.4
Mr Raw 0	325 2 10	2 0	2 5.0		
rev. T 1	44 16 55			475	27 50
" 6	80 30 0	29 30	29 45.0	79	14 36.7
" 6	242 51 5	51 30			

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.		REMARKS.
	Vernier A.	B.				
	283 54 40	54 55	54 47.5	1038	56 30.0	
rev. 77 4 30						
	242 51 5	51 30	51 17.5	173	9 25.0	173 9 48.15 186 49 6.40
rev. 80 30 0						
	29 30	29 30	29 30	163	25 2.5	
174 23 30						
283 54 40	54 55	54 47.5	93	54	10.4	93 14 27.3 79 44 40 0

Date: Sept 1st 1876
 Station: West Bar

Observer: K. J. J.
 Instrument: Bausch & Lomb 10-

OBJECTS.	READINGS.				MEAN OF A. & B.	DIFFERENTIAL ANGLES.	READINGS.				MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.	
	Vernier A.		B.				Vernier A.		B.					
rev T	0	260	3	0	3 25									
M Emma	1	333	58			563	29	55.0						
"	6	83	33	10	53 5	7.5	93	54	59.2					
Mr Emma	0	83	33	10	33 5									
East Bar		186	15	5										
Mr Koh		34	37	15										
Mr Rose		57	46	10										
Mansion flight		75	16	10										
Mr Emma		83	33	30										
rocky		134	21	5										
shop		142	59	10										
particular point North		168	51	5										
East Bar		186	15	5										
East Bar	360	0	0	359 59	30									
Mr Raw	84	6	50	7	0	6 10	6 25							
T	163	22	50	22	30	21 50	22 0							
Mr Emma	257	16	35	27	0	16 35	16 15							
	6 50			15 30										
	7 30			16 0										
	6 10			15 40										
	6 55			15 35										
	5 10			16 5										
	6 5			15 40										
	7 0			15 25										
	6 40			15 15										
	7 20			15 10										
	7 5			15 20										
	7 10			15 40										
	7 40			26 5										
	325			13										
	55			44										
				370										
				150										

84° 6' 47.1
 79 15 37.1
 93 54 12.5
 257 16 36.7
 102 43 23.3

60° 120° 180° 240° 300°
 0' 0" 0' 0" 0' 0" 0' 20" 0' 0" 0' 0" 0' 0" 0' 0"
 5 50 6 5 7 0 7 0 7 30 7 5 7 10 6 40
 21 55 22 10 22 40 22 25 22 45 22 15 22 30 22 20
 16 20 16 0 16 15 16 30 16 45 17 0 16 10 16 35

Date: West Bar Sep 2nd 1876
 Station: West Bar

Observer: D. J. H.
 Instrument: Talcott & Co. 10.

OBJECTS.	READINGS.			MEAN OF A. & B.	DIFFERENTIAL ANGLES.
	Vernier A.	B.			
Mr Emma 0	194° 40' 50"	41' 5"	40 57.5	6.16	12 10.0
East Bar 1	297	23 40			
" 6	90	53 25	52 50	53 7.5	102 42 17
Mr Emma 0	347	0	59 35	59 47.5	6.16 13 20.0
East Bar 6	253	13 0	13 55	13 27.5	102 42 16.7
East Bar 0	253	13 0	13 55	13 27.5	500 41 45.0
Mr Raw 1	327	20 40			
" 6	27	55 40	54 45	55 12.5	84 6 57.5
Mr Raw 0	27	55 40	54 45	55 12.5	57 43 0
J 1	107	10 0			
3	265	38 5	38 20	38 12.5	79 14 20.0
	in cloud				
J	265	38 5			
sharp point S	58	59 10			
prom point N	84	51 0			
East Bar	102	15 40			
	186	22 45			
	265	38 5			
Mr Emma	359	33 25			
	102	15 25			

OBJECTS.	READINGS.			MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.
	Vernier A.	B.				
	84	7 5				
		7 25				
		7 30				
	79	15 20				
		14 30				
		14 25				
	93	55 20				
		54 10				
		55 0				
	84	7			20.0	
	79	15			5.0	
	93	55			50.0	
	257	17			15	
	102	42			45	

Date: Sept 2nd 1876
 Station: West Barn

Observer: L. J. Hill
 Instrument: South Co. 10.

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.
	Vernier A.	B.		
East Barn	201	37 35		
W Barn	285	46 0		
☐	5	1 30		
W Emma	98	15 40		
East Barn	201	42 30		
W Barn	25	50 0		
☐	105	4 25		
W Emma	198	59 25		

	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.
	Vernier A.	B.			

Date: Sept 5th 1876
 Station: Mt Raw

Observer: L.F.R.
 Instrument: Bausch & Lomb

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.		
	Vernier A.	B.				
Mt Davidson	208	24 50	25 10	25 0	47	47 5
Mt Emma	216	23 10				
	6	256 12 0	12 10	12 5	7	57 50.8
						+ 0.4
Mt Emma	256	12 0	12 10	12 5	9	49 57.5
West Bar	257	50 30				
	266	2 0	2 5	2 5	1	38 19.6
						- 5.3
West Bar	266	2 0	2 5	2 20	202	44 40.0
East Bar	299	44 30				
	108	46 55	46 30	46 42.5	33	42 26.7
						+ 0.8
Mt Davidson	108	46 55	46 30	46 42.5	47	26 0
West Bar	117	53 0				
	165	52 35	53 0	52 42.5	9	36 0.0
						+ 6.1
Mt Emma	165	52 35	53 0	52 42.5	212	3 35.0
East Bar	201	13 10				
	17	56 35	56 0	56 17.5	35	20 35.8
						+ 6.0
Mt Como	0	0 0	59 30			
	1	58 0	57 30			
	2	44 5	44 0			
	7	25 55	25 40			
	8	41 20	41 0			
	9	15 20	14 55			
	17	22 40	22 15			
very far	21	5 30	5 0			

REMARKS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.		
	Vernier A.	B.				
Wind S.W. very heavy.						

Date:

Sept 5. 1896

Station:

Mt Rau

Observer:

S.J.K.

Instrument:

Tauter & Co. 10.

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.
	Vernier A.	B.			Vernier A.	B.			
	129	15	40	15	30				
	137	22	55	23	10				
	144	44	55	75	0				
	146	48	40	48	30				
	147	30	0	30	5				
	153	20	40	21	0				
0	167	2	10	2	15				
	185	26	30						
Wayhor	216	42	30						
Mt McClure	213	2	30						
Davidson	230	52	15	uncertain	in haze				
Linton house	239	0	0						
West Kan	240	29	30						
From point	293	27	0	North					
East Bar	274	12	20						
Neddie	297	1	15						
from point N.	293	27	25						
	238								
Mt Emma	238	51	10	?					
oak on Pt	258	41	40						
sharp Pt	263	24	0						
	269	47	30						
East Bar	274	12	35						
p. N.	293	27	16						

Date: *Sept 7. 1876*
 Station: *Mr McClellan*

Observer: *D. K.*
 Instrument: *Tanner & Co. 10.*

OBJECTS.	READINGS.			MEAN OF A. & B.	DIFFERENTIAL ANGLES.
	Vernier A.	B.			
<i>Mr Davidson</i>	353	12 50	12 20	18 35.0	84 16 27.5
<i>Apr. Monm.</i>	7	21 30			
	77	35 15	34 50	35 2.5	14 2 44.6
<i>Apr. Monm.</i>	77	35 15	34 50	35 2.0	119 0 55.0
<i>Mr Emma</i>	97	25 40			
	196	35 40	36 15	35 17.5	19 50 9.2
<i>Mr Davidson</i>	196	35 40	36 15	35 17.5	11 474 59 2.5
<i>Mr Raw</i>	275	46 0			
	311	35 0	35 0	35 0.0	79 9 50.4
<i>Apr. Monm.</i>	311	35 0	35 0	35 0.0	6 390 41 5.0
<i>Mr Raw</i>	16	40 5			
	342	16 15	15 55	16 5.0	65 6 50.8
<i>Mr Emma</i>	342	16 15	15 55	16 5.0	62 378 32 57.5
<i>Mr Lyon</i>	45	21 30			
	0	49 20	48 45	49 2.5	63 5 29.6
<i>Mr Lyon</i>	0	49 20	48 45	49 2.5	116 22 17.5
<i>Mr Combs</i>	23	33 30			
	137	11 15	11 25	11 20.0	22 43 42.9
<i>Mr Davidson</i>	137	11 15	11 25	11 20.0	203 13 20.0
<i>Mr Emma</i>	171	4 0			
	340	30 15	30 5	30 10.0	33 50 8.3

79 .11

= 2 in Circle

Date: *Sept 7. 1876*
 Station: *W McCluhan*

Observer: *Dijk*
 Instrument: *Fauth & Co. 10*

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.
	Vernier A.	B.		
	<i>77</i>	<i>29</i>		
<i>Mr Davidson</i>	<i>340 30 15</i>	<i>30 5</i>	<i>30 10.0</i>	<i>96 57 50.0</i>
<i>Mr Lyon</i>	<i>77 29 5</i>			
	<i>202 23 35</i>	<i>23 45</i>	<i>23 40.0</i>	<i>96 58 55.0</i>
<i>Mr Lyon</i>	<i>202 23 35</i>	<i>23 45</i>	<i>23 40.0</i>	<i>86 32</i>
<i>O</i>	<i>189 1 55</i>			<i>519 42 35.0</i>
	<i>2 6 30</i>	<i>6 0</i>	<i>6 15.0</i>	<i>86 37 5.8</i>
<i>O</i>	<i>2 6 30</i>	<i>6 0</i>	<i>6 15.0</i>	<i>176 22</i>
<i>Mr Davidson</i>	<i>178 29 5</i>			<i>10 58 14 5.0</i>
	<i>340 20 35</i>	<i>20 5</i>	<i>20 20.0</i>	<i>176 22 20.8</i>
<i>Mr Davidson</i>	<i>340 20 35</i>	<i>20 5</i>	<i>20 20.0</i>	<i>45 4</i>
<i>Cover Point</i>	<i>26 6 30</i>			<i>137 15 32.5</i>
	<i>3 117 38 50</i>	<i>38 55</i>	<i>38 52.5</i>	<i>45 46 10.8</i>
<i>Mr Davidson</i>	<i>117 38 50</i>	<i>38 55</i>	<i>38 52.5</i>	<i>20 47</i>
<i>point Hart</i>	<i>128 25 35</i>			<i>124 42 2.5</i>
	<i>242 20 45</i>	<i>21 5</i>	<i>20 55.0</i>	<i>20 47 0.4</i>
<i>point Hart</i>	<i>242 20 45</i>	<i>21 5</i>	<i>20 55.0</i>	<i>78 34 30.0</i>
<i>Mr Emma</i>	<i>255 26 40</i>			
	<i>320 55 40</i>	<i>55 10</i>	<i>55 25.0</i>	<i>13 5 45.0</i>

I believe to be a monument

Date: Sept 7, 1896
 Station: Mt McClellan

Observer: H.K.
 Instrument: Talcott & Co., Ia.

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.
	Vernier A.	B.		
	207 31 25			
	221. 34 30			
	221. 47. 5			
	58 00 00			
Carson Capitol	58 57. 45.			
Davidson.	240 00 00			

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.
	Vernier A.	B.			

For observations taken at
 Mt Davidson 0° 0' 0" see the book
 "Mountain Nations."

Date: Sept 9. 1876
 Station: Mt Emma

Observer: D. J. K.
 Instrument: Tauts & Co. 10.

OBJECTS.	READINGS.			MEAN OF A. & B.	DIFFERENTIAL ANGLES.			REMARKS.
	Vernier A.	B.						
East Bar	176° 44' 0"							
Cowles Point	179 59 25		2 15					
Mt Lynn	209 20 50							
	260 16 0							
Mt Conro	268 55 30							
O	321 1 0							
	335 54 25							
Mt McClean	344 2 30		33 20					
West Bar	218 64 15	4 45	4 20.0	15 33	42.5			
Mt Raw	215 15 20							
3	225 38 0	38 25	38 12.5	5 11	14.2			
East Bar	225 38 0	38 25	38 12.5	160 26	37.5			
West Bar	279 7 0							
3	26 5 5	4 35	4 50.0	53 28	52.5			
East Bar	26 5 5	4 35	4 50	176 0	2.5			
Mt Raw	84 44 40							
3	202 4 40	5 5	4 52.5	58 40	0.8			
Mt Raw	202 4 40	5 5	4 52.5	325 55	7.5			
Mt McClean	310 43 40							
3	168 0 0	0 0	0 0	108 38	22.5			
High Point monument	167 57 40							
	168 0 0							
to Center of monument	216 40 0							

on Mt Emma: difference of the center of inspe from center of monument

Date: Sept. 13. 1876.
 Station: Rocky point.

Observer: S. J. K.
 Instrument: Barthe & Co. 10.

OBJECTS.	READINGS.			B.	MEAN OF A. & B.	DIFFERENTIAL ANGLES.		
	Vernier A.							
East Bar	226° 47'	30"		48' 5"	47.5	163	1	55.5
West Bar	282	51	10					
3	34	59	55	59 30	59 42.5	56	3	58.3
East Bar	34	59	55	59 30	59 42.5	243	44	40.0
W Emma	116	14	10					
3	278	44	5	44 40	44 22.5	81	14	53.3
W Emma	278	44	5	44 40	44 22.5	66	52	40.0
W Mc Clellan	301	4	0					
3	345	43	5	43 0	43 2.5	22	19	33.3
W Mc Clellan	245	43	5	43 0	43 2.5	7	30	40.0
Abse. Monum.	348	13	15					
3	353	13	55	13 30	13 42.5	2	30	13.3
Abse. monum.	353	13	55	13 30	13 42.5	29	16	32.5
W Davidson	2	59	25					
3	42	30	25	30 5	30 15.0	9	45	30.8
W Davidson	22	30	25	30 5	30 15.0	514	2	15.0
Doubt PK	193	50	30					
3	176	32	15	32 45	32 30.0	171	20	45.0
536								
Doubt PK	176	32	15	32 45	32 30.0	213	30	22.5
East Bar	249	22	15					
3	35	3	5	2 40	2 52.5	72	50	7.5
395								

282 57
 226.47
 56.4

22 49 46.6

Date: Sept. 13. 1876

Station: Rocky Pt

Observer: D.J.K.

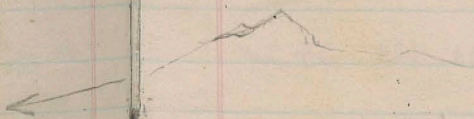
Instrument: Taut. & Co. 10.

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.
	Vernier A.	B.		Vernier A.	B.			
East of Conn	128	59 35	59 42.5	23	34	50	0	
W Conn	136	10 35						
3	152	34 10	34 55	7	51	36.7		
W Rawmond	152	34 10	34 55					
	152	35 0	35 0					
highest point	152	44 10	44 25					
W Lyon	158	50 10	50 40					
W Rawmond	158	50 10	50 40					
	158	50 55	51 25					
highest Pt	159	0 10	0 55					
W Lyon	165	6 5	6 25					
Doubt Peak	165	6 5						
Sharp peak	178	1 25						
	190	17 15						
Carter Pt. mound	205	53 0						
East Bar	207	56 30						
	220	39 0						
	246	4 50						
	247	20 0						
	255	15 50						
W Lyon	274	32 55						
	303	40 0						
	304	5 30						
	314	37 40						
	318	17 50						

Date: Sept 13, 1876
 Station: Rocky Pt.

Observer: D. J. L.
 Instrument: Tauter v. Co. 10.

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.
	Vernier A.	B.			Vernier A.	B.			
	320	12.55							
	321	8.25							
	324	24.20							
0	331	50.55							
Mt McClellan	341	31.10							
	347	49.50							
Mt Butler	350	21.45							
Davidson	353	46.55							
Washon Pt	22	15.20							
Hot point	22	22.25							
Head of Reno	63°	50' 45"							
	70	31.30							
	86	32.00							
	88	43.30							
	96	6.00							
	97	13.00							
	107	25.35							
	112	14.15							
	115	15.00							
	118	52.50							
	125	10.55							
Spanish Pt.	128	41.35							
	135	8.45							
Wombles Pt	165	7.15							



Date: Sept 13, 1876
 Station: Sharp Pt.

Observer: D.J.K.
 Instrument: Tauts v. l. 10.


OBJECTS.	READINGS.			MEAN OF A. & B.	DIFFERENTIAL ANGLES.			REMARKS.			
	Vernier A.	B.			Vernier A.	B.					
Joubert Pk	197	26	15	26	45	26	30.0	23	38	37.5	
N. E. Ban dev.	205	19	0								
3	221	4	45	5	30	5	7.5	7	52	52.5	
N. E. Ban dev.	221	4	45	5	30	5	7.5	127	23	57.5	
Cowles Pt. mon.	263	32	45								
3	348	29	15	28	55	29	50	42	27	59.2	
Cowles Pt. mon.	348	29	15	28	55	29	50	127	14	2.5	
East Ban	30	53	50								
3	115	43	0	43	15	43	7.5	42	24	40.8	
	47.5										
East Ban	115	43	0	43	15	43	7.5	68	30	25.0	
W Raw	138	37	15								
3	184	13	15	13	50	13	32.5	22	50	8.3	
East Ban	184	13	15	13	50	13	32.5	23	9	45.0	
W Lyon	211	56	30								
3	267	23	0	23	35	23	17.5	27	43	15.0	
W Lyon	267	23	0								
East of Combs	272	19	45								
W Combs	280	38	25								
W Raw	280	38	25								
	280	39	0								
highest point	280	47	10								

280 38 40 monms ? right = center.

Date: Sept. 13 1876
 Station: Sharp Pt

Observer: D.J.K.
 Instrument: Faulkner 10.

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.
	Vernier A.	B.			Vernier A.	B.			
Mt Egan	285. 27. 55								
Como mtn.	298. 42. 55								
	312. 5. 25								
	312. 32. 25								
	317. 21. 00								
	323. 5. 10								
	326. 57. 5								
	328. 44. 0								
	329. 36. 30								
	332. 04. 50								
Mt Emma	333. 48. 15								
○	340. 24. 20								
Mt W. Cullen	350. 39. 55								
	353. 1. 55"								
Davidson	2° 1' 10"								
Butlers Mtn	358. 58' 40"								
Washov Pt	28° 46' 35"								
	258. 50. 55								
North of Reno	69. 36. 25								
	70. 10. 25								
	77° 16. 5								
	92. 35. 15								
Flat.	95. 20. 00								
	102. 24. 15								
	107. 53. 35								
	122. 3. 00								
Honble Peak	164. 59. 45								
Distant Cove	198. 5. 55								

←  Same sketch as of last station

Date: Sept. 14
Station: N.S. Base develop.

Observer: S. J. K.
Instrument: Fauntleroy Co. 10.

OBJECTS.	READINGS.			MEAN OF A. & B.	DIFFERENTIAL ANGLES.					
	Vernier A.		B.							
East Base	335	36	55	36	55	36	55	25	72	20
West Base	344	7	50							
3	1	9	30	9	0	9	15	8	30	46.7
Wall Base	1	9	30	9	0	9	15.0	19	18	10.0
Mr Emma	10	55	15							
3	30	27	35	27	15	27	25.0	9	46	3.3
Mr Emma	30	27	35	27	15	27	25.0	25	54	50.0
East Base	39	6	10							
3	56	22	30	22	0	22	15.0	8	38	16.7
East Base	56	22	30	22	0	22	15.0	6	54	0.0
Mr Davidson	58	40	0							
3	63	16	30	16	0	16	15.0	2	18	0.0
Sharp pt	63	16	30	16	0	16	15.0	12	2	52.5
Mr Davidson	67	17	15							
3	75	19	10	19	5	19	7.5	4	0	57.5
Sharp pt	75	19	10	19	5	19	7.5	5	9	20.0
East Base	76	2	10							
3	80	28	30	28	25	28	27.5	1	43	6.7
Mr Emma	80	28	30	28	25	28	27.5	32	48	22.5
Mr Davidson	91	24	35							
	113	16	45	16	55	16	50.0	10	56	7.5

	READINGS.			MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.
	Vernier A.	B.				
						heavy wind

not in line or rock

Date: *Sept. 14. 1876*
 Station: *N. E. Bar level.*

Observer: *H. J. K.*
 Instrument: *Taylor & Co. 10.*

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.		READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.
	Vernier A.	B.				Vernier A.	B.			
<i>W Lyon</i>	6	58 15	57 55							
<i>W Raw</i>	10	23 10	22 55							<i>Monument</i>
		24 50	24 25							
		27 55	27 15							
<i>W Lyon</i>	10	27 55	27 15							
<i>W Raw</i>	13	53 0	52 50							
		54 50	54 25							
		57 40	57 10							
<i>East of Corner</i>	13	57 40	57 20							
		15 30	0							
<i>W Lyon</i> 3	18	34 30	34 30	34 30.0	1	32	24.7			
<i>W Lyon</i> 0	18	34 30	34 30	34 30.0	107	59	47.5			
		54 34 20								
<i>W Lyon</i> 3	126	34 0	34 35	34 17.5	35	59	53.8			

*For angles around the horizon,
 see Karris' Monuments pages
 75 & 76.*

Date: *Sept 17, 1876*
 Station: *W Davidson.*

Observer: *L.J.K.*
 Instrument: *Jard & Co. 10.*

OBJECTS.	READINGS.			MEAN OF A. & B.	DIFFERENTIAL ANGLES.		
	Vernier A.	B.					
<i>N.S. Beam dev.</i>	<i>45</i>	<i>5</i>	<i>0</i>	<i>57.5</i>	<i>6</i>	<i>32</i>	<i>22.5</i>
<i>Bowker Pt</i>	<i>47</i>	<i>16</i>	<i>30</i>				
<i>3</i>	<i>51</i>	<i>37</i>	<i>40</i>	<i>37.00</i>	<i>2</i>	<i>10</i>	<i>47.5</i>
<i>Lonie Pt</i>	<i>51</i>	<i>37</i>	<i>40</i>	<i>37.00</i>	<i>7</i>	<i>40</i>	<i>12.5</i>
<i>Rocky Pt</i>	<i>54</i>	<i>12</i>	<i>0</i>				
<i>3</i>	<i>59</i>	<i>21</i>	<i>0</i>	<i>42.5</i>	<i>2</i>	<i>34</i>	<i>24.2</i>
<i>Rocky Pt</i>	<i>59</i>	<i>21</i>	<i>0</i>	<i>42.5</i>	<i>7</i>	<i>45</i>	<i>50.0</i>
<i>Sharp Pt</i>	<i>59</i>	<i>56</i>	<i>15</i>				
<i>3</i>	<i>61</i>	<i>6</i>	<i>50</i>	<i>32.5</i>	<i>0</i>	<i>35</i>	<i>16.7</i>
<i>Sharp Pt</i>	<i>61</i>	<i>6</i>	<i>50</i>	<i>32.5</i>	<i>78</i>	<i>59</i>	<i>5.0</i>
<i>East Barn</i>	<i>87</i>	<i>6</i>	<i>55</i>				
<i>3</i>	<i>139</i>	<i>6</i>	<i>30</i>	<i>37.5</i>	<i>26</i>	<i>0</i>	<i>1.7</i>
<i>East Barn</i>	<i>139</i>	<i>6</i>	<i>30</i>	<i>37.5</i>	<i>52</i>	<i>2</i>	<i>15.0</i>
<i>W Emma</i>	<i>156</i>	<i>27</i>	<i>0</i>				
<i>3</i>	<i>191</i>	<i>8</i>	<i>30</i>	<i>52.5</i>	<i>17</i>	<i>20</i>	<i>45.0</i>
<i>W Emma</i>	<i>191</i>	<i>8</i>	<i>30</i>	<i>52.5</i>	<i>30</i>	<i>29</i>	<i>7.5</i>
<i>West Barn</i>	<i>201</i>	<i>21</i>	<i>15</i>				
<i>3</i>	<i>221</i>	<i>47</i>	<i>45</i>	<i>48.00</i>	<i>10</i>	<i>13</i>	<i>2.5</i>
<i>West Barn</i>	<i>221</i>	<i>47</i>	<i>45</i>	<i>48.00</i>	<i>27</i>	<i>40</i>	<i>10.0</i>
<i>W Raw</i>	<i>234</i>	<i>20</i>	<i>45</i>				
<i>3</i>	<i>259</i>	<i>27</i>	<i>55</i>	<i>48.00</i>	<i>12</i>	<i>33</i>	<i>23.3</i>

OBJECTS.	READINGS.			MEAN OF A. & B.	DIFFERENTIAL ANGLES.			REMARKS.
	Vernier A.	B.						

minimum. 202. 21. 10 feet 7.5 from flagstaff

*156.276
 139
 17*

flagstaff just visible

Date: Sept 9 1876

Station: Mt Emma

Observer:

Instrument:

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.			
	Vernier A.	B.					
Mr McClellan	344. 02 30	2 10	2 20	74	8	59	14.0
Apr. morning	9 2 40						
3	59 1 45	1 35	1 40	24	59	46.7	
Apr. morning	59 1 45	1 35	1 40	46	10.4	17.2	52.5
Mr Davidson	74 36 45						
3	105 46 15	46 50	46 32.5	15	34	57.5	
Mr McClellan	105 46 15	46 50	46 32.5	121	10.5	45	47.5
Mr Davidson	146 21 40						
3	227 32 0	32 40	32 20.0	40	35	15.8	
Mr Davidson	227 32 0	32 40	32 20.0	456	20	45.0	
East Bar	19 38 40						
3	323 53 20	52 50	53 5.0	152	6	55.0	
Mr McClellan	323 53 20	52 50	53 5.0	578	4	30	
East Bar	156 34 50						
3	181 57 30	57 40	57 35.0	192	41	30.0	
East Bar	181 57 30	57 40	57 35.0	160	8.6	11.0	
West Bar	235 26 10						
3	342 24 20	23 50	24 5.0	53	28	50.0	
West Bar	342 24 20	23 50	24 5.0	34	28	152.5	
Mr McClellan	96 13 40						
3	223 53 55	53 20	53 37.5	113	49	50.8	

2 08

Date:

Sept 9, 76

Station:

W Emma

Observer:

Instrument:

OBJECTS.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.			
	Vernier A.	B.					
W Raw	216° 40' 0"	40' 0"	40 0	41	57	37.5	
W Lyon	230° 57' 15"						
3	258 31 35	31 40	31 37.5	13	57	12.5	
W Lyon	258 31 35	31 40	31 37.5	32	44	0.0	
W Combs east of	269 26 20						
3	291 15 45	15 30	15 37.5	10	54	40.0	
W Lyon	291 15 45	15 30	15 37.5	58	42	57.5	
W Combs	310 50 0						
3	349 58 50	58 20	58 37.5	19	34	19.2	
W Raw	349 58 50	58 20	58 37.5	325	55	27.5	
W McClellan	98 37 30						
3	315 55 10	54 55	54 2.5	108	38	29.2	
W McClellan	0 0 0						
Sharp point North	94 10 0						of basin of Virginia City
R	142 6 15						
S	149 2 30						
Aruba Pt	153 43 45						
pr. Pt. N	161 12 45						
Covers Pt	195 56 45						
East Bank	192 40 5						
W McClellan	120 0 0						
	214 8 45						
	262 6 5						

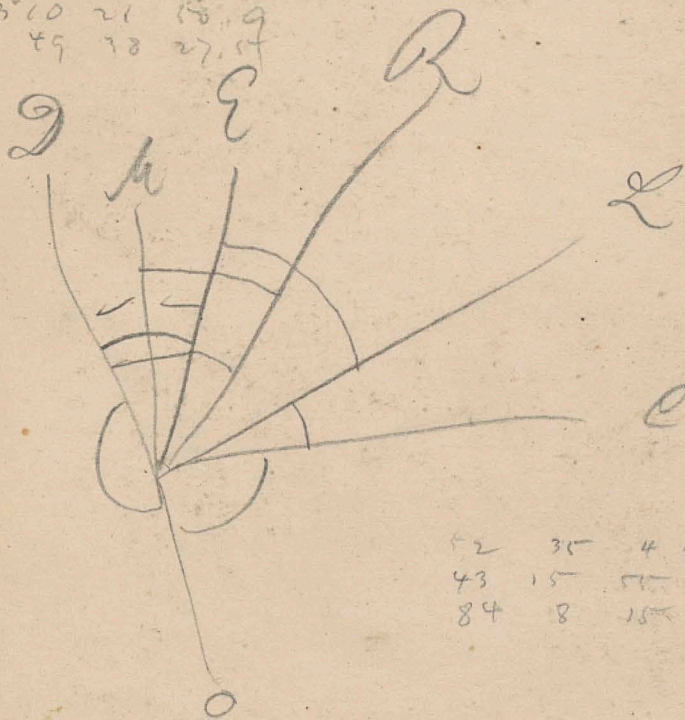
Date: *Sept 9. 76*
 Station: *MV Emma.*

Observer:
 Instrument:

OBJECTS.	• READINGS. •		MEAN OF A. & B.	DIFFERENTIAL ANGLES.	READINGS.		MEAN OF A. & B.	DIFFERENTIAL ANGLES.	REMARKS.
	Vernier A.	B.			Vernier A.	B.			
	269° 3' 0"								
	281 13 00								
	315 57 0								
<i>Mr McClellan</i>	260 0 0								
	334 9 55								
<i>as prac.</i>	22 25								
	29 3 55								
	41 13 50								
	75 57 0								
<i>Mr McClellan</i>	260 0 0								
<i>Mon on wenslope</i>	268 24 35								<i>of range west of Davidson</i>

22 19 33.3
 15 35 3.3
 142 7 12.5

grt 2 29.2
 3 10 21 15.9
 49 78 27.4



17 24 0
 154 4 30
 171 28 30
 8 31 30
 344 8 0
 725 76 30

42 35 4 2
 43 15 5
 84 8 15

E. 9. @

7
 46 3 58.3
 72 0 20.0
 51 0 0

13 26 2.3
 151 43 30.0
 14 50 25.8

13 16 50.0
 10 56 16.7

20 56 20
 49 16 40
 99 39 30

31 8 15
 49 16 40
 99 34 45

83 27 44.3
 40 41 48.3
 23 49 1.7
 171 58 34.8
 1 30.0

23 49 21.7
 13 8 52.8
 102 43 22.7
 29.8

35 20 16.3
 85 57 5.4
 58 40 0.2

33 53 8.3
 19 2 42.5
 14 50 25.8

179
 47 59
 279 295
 9 3

36 3 17.5
 28 13 32.5
 162 58 53.3
 50 20 51.7
 42 24 40.8
 1 15.8

5 12 33
 173 10 33
 172 23 6
 1 32 19

17 49 1
 7 57 51

82 43 3.3
 22 46 25.8

205 15 30
 154 4 30

205 31 40.0
 104 25 6.6
 51.2

108 78 55
 45 16 40
 153 11 31
 26 4 25
 25 49 0
 17 25

62 7 49
 84 6 57
 33 42 27

18 13 5
 33 53 8.3
 15 35 3.7

103 34 26.6
 12 15 44.1
 224 10 52.5

8 4 30
 57 21 10
 48 16 20