

## WYOMING.

### TRIANGULATION STATIONS.

**Como Ridge, Difficulty, Hanna, Leo, and Saddleback Hills quadrangles.**

#### CARBON COUNTY.

During the season of 1916 C. L. Nelson extended triangulation over the above-named quadrangles, based on stations already located in this area. Twenty-two new points were located, including 12 corners of the General Land Office.

#### BONE, CARBON COUNTY, WYO. (Not occupied.)

On highest point of extreme northeast one of T B Hills, about 3 miles north of Doolins ranch.

Station mark: A small pine tree set in cairn.

[Latitude 42° 06' 28.63". Longitude 106° 13' 01.06.7]

To station—	Azimuth.	Back azimuth.	Distance.	
			<i>Log. meters.</i>	<i>Miles.</i>
Two.....	27 51 53.82	207 43 52.69	4.5505500	22.075
Quealey.....	101 09 37.56	280 56 34.35	4.4365058	16.977
Chalk.....	141 08 00.80	320 57 43.13	4.5254332	20.835
Como.....	332 05 54.88	152 12 15.30	4.4473613	17.407
Flat.....	347 49 36.43	167 51 04.82	4.1585800	8.952

#### C, CARBON COUNTY, WYO. (Not occupied.)

On highest point of hill about 10 miles southeast of Hanna, 1 mile west-northwest of Bloody Lake, 1½ miles west of Hanna and Elk Mountain road.

Station mark: Cairn around center pole of sawed lumber tripod.

[Latitude 41° 45' 27.54". Longitude 106° 30' 10.08.7]

To station—	Azimuth.	Back azimuth.	Distance.	
			<i>Log. meters.</i>	<i>Miles.</i>
St. Mary.....	98 33 10.06	278 19 39.93	4.4531860	17.642
Corner 14.....	141 18 03.22	321 15 06.31	3.9913914	6.092
One.....	160 00 29.95	339 57 27.06	4.2667950	11.485
Corner 16.....	160 29 24.39	340 26 27.34	4.2629017	11.383
Corner 21.....	204 24 44.81	24 26 25.30	3.9252941	5.232
Two.....	223 39 37.91	43 43 04.17	4.0147784	6.429

#### COMO, ALBANY AND CARBON COUNTIES, WYO.

Situated in sec. 16, T. 22 N., R. 77 W., about 7 miles east of Medicine Bow, on a high bald ridge, locally known as Como Ridge. This station can be reached by driving east along the railroad from Medicine Bow to a point where the road bends sharply toward the south, then follow a dim trail on the south side of the ridge for a

mile, and thence direct to the station. The station is nearly due south of the east end of Aurora Lake.

Reference marks: 1. Arrowhead cut in rock, distant 9.9 feet N. 60° E. 2. Arrowhead cut in rock, distant 24.3 feet W.

Station mark: Tablet in solid rock.

Signal: Tripod of sawed lumber.

[Latitude 41° 53' 05.83''. Longitude 106° 03' 32.50'']

To station—	Azimuth.	Back azimuth.	Distance.	
			<i>Log. meters.</i>	<i>Miles.</i>
Rock.....	21 05 58.75	200 59 14.23	4.5925010	24.314
Pine.....	41 41 49.01	221 37 22.79	4.1415870	8.609
Derrick.....	49 24 41.88	229 17 02.10	4.3216891	13.033
Elk Tablet.....	54 22 17.43	234 03 39.12	4.6795845	29.712
Corner 24.....	58 42 22.63	238 30 58.39	4.4431397	17.238
Two.....	77 29 21.88	257 15 02.42	4.4835655	18.920
Corner 18.....	95 29 56.06	275 13 48.06	4.5258112	20.853
Medicine Bow Tank.....	96 52 15.58	276 46 40.13	4.0668672	7.248
Corner 25.....	102 48 22.36	282 41 35.25	4.1595455	8.972
Corner 23.....	97 54 59.58	277 43 33.21	4.3786513	14.859
Ninemile.....	104 21 00.77	284 08 01.08	4.4432605	17.243
Corner 22.....	112 23 07.87	292 11 40.67	4.4083957	15.913
Freezeout.....	131 56 40.59	311 46 36.45	4.4461032	17.356
Quealey.....	127 04 33.68	306 45 11.56	4.6986049	31.042
Flat.....	136 46 11.22	316 41 19.48	4.1665644	9.118
Bone.....	152 12 15.30	332 05 54.88	4.4473613	17.407

#### CORNER 14, CARBON COUNTY, WYO.

Three-point location at corner of Tps. 21 and 23 N., Rs. 81 and 82 W. Instrument was placed 93.7 feet from corner, true azimuth, 179° 06' 02.79'', but angles were reduced to corner.

[Latitude 41° 49' 35.45''. Longitude 106° 34' 35.68'']

To station—	Azimuth.	Back azimuth.	Distance.	
			<i>Log. meters.</i>	<i>Miles.</i>
D mark.....	53 57 15.65	233 52 39.69	4.0729975	7.351
One.....	178 49 56.41	358 49 50.68	3.9876828	6.040
Yellow.....	195 58 33.76	15 59 48.33	3.9687869	5.783
Two.....	270 40 07.97	90 46 31.41	3.1229845	0.825
C.....	321 15 06.31	141 18 03.22	3.9913914	6.092
Elk Tablet.....	348 46 18.39	168 48 40.81	4.3401901	13.600

#### CORNER 15, CARBON COUNTY, WYO.

Three-point location at corner of secs. 30, 31, 25, and 36, T. 21 N., Rs. 81 and 82 W. Instrument was placed 4 feet from corner, true azimuth, 188° 28' from corner. Angles were reduced to corner.

[Latitude 41° 45' 16.16''. Longitude 106° 34' 34.17'']

To station—	Azimuth.	Back azimuth.	Distance.	
			<i>Log. meters.</i>	<i>Miles.</i>
D mark.....	96 10 27.50	276 05 50.69	3.9848815	6.001
One.....	179 14 47.88	359 14 41.13	4.2484686	11.011
Yellow.....	188 28 46.98	8 30 00.59	4.2338634	10.647
Elk Tablet.....	342 35 06.44	162 37 07.84	4.1497064	8.771

**CORNER 16, CARBON COUNTY, WYO.**

Township corner: Tps. 22 and 23 N., Rs. 81 and 82 W. Located by measurement from station One. This corner is 742.04 feet southeast of station One, true azimuth, 297° 02' 27.27".

[Latitude 41° 54' 47.14". Longitude 106° 34' 35.54".]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	<i>Log. meters.</i>	<i>Miles.</i>
One.....	117 01 57.46	297 01 51.62	2.3544431	0.141
Yellow.....	284 39 19.39	104 40 33.52	3.4221817	16.426
C.....	340 26 27.34	160 29 24.39	4.2629017	11.383

**CORNER 17, CARBON COUNTY, WYO.**

Three-point station at corner of secs. 19, 30, 24, and 25, T. 21 N., Rs. 80 and 81 W.

[Latitude 41° 46' 07.87". Longitude 106° 27' 37.40".]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	<i>Log. meters.</i>	<i>Miles.</i>
D mark.....	88 23 56.61	268 14 42.16	4.2840961	11.952
Freezeout.....	201 32 58.22	21 39 00.63	3.4305632	21.082
Two.....	210 07 24.62	30 09 09.16	3.8580645	4.481

**CORNER 18, CARBON COUNTY, WYO.**

Three-point station at corner of Tps. 22 and 23 N., Rs. 80 and 81 W.

[Latitude 41° 54' 47.52". Longitude 106° 27' 41.98".]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	<i>Log. meters.</i>	<i>Miles.</i>
Elk Tablet.....	9 42 05.22	189 39 32.22	4.4989583	19.602
Yellow.....	84 26 50.09	264 23 28.49	3.8455076	4.354
Como.....	275 13 48.06	95 29 56.06	4.5258112	20.853

**CORNER 19, CARBON COUNTY, WYO.**

Three-point station at corner of Tps. 23 and 24 N., Rs. 80 and 81 W. Instrument was placed 1,347.06 feet northwest of corner, true azimuth, 138° 16' 24.42". Angles reduced to corner.

[Latitude 41° 59' 59.31". Longitude 106° 27' 45.13".]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	<i>Log. meters.</i>	<i>Miles.</i>
One.....	45 07 14.66	225 02 34.40	4.1323974	8.428
Freezeout.....	244 58 58.00	65 05 05.66	4.1441409	8.659
Flat.....	274 58 12.06	95 09 31.80	4.3706779	14.589

## CORNER 20, CARBON COUNTY, WYO.

Three-point location at corner of Tps. 23 and 24 N., Rs. 78 and 79 W. Instrument was placed 1,522.8 feet southwest of corner, true azimuth,  $43^{\circ} 57' 46.96''$ . Angles reduced to corner.

[Latitude  $42^{\circ} 00' 02.97''$ . Longitude  $106^{\circ} 13' 34.69''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Two.....	39 03 07.95	218 55 29.79	4.4000750	15.611
Quealey.....	123 25 44.04	303 13 04.21	4.4940561	19.382
Freezeout.....	129 48 26.90	309 45 05.22	3.9551116	5.604
Flat.....	299 47 56.02	119 49 46.80	3.6427533	2.730

## CORNER 21, CARBON COUNTY, WYO.

Three-point station at corner of Tps. 21 and 22 N., Rs. 80 and 81 W. Instrument was placed 451 feet northeast of corner, true azimuth,  $220^{\circ} 41' 34.98''$ . Angles reduced to corner.

[Latitude  $41^{\circ} 49' 36.02''$ . Longitude  $106^{\circ} 27' 39.28''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
C.....	24 26 25.30	204 24 44.81	3.9252941	5.232
Freezeout.....	206 26 29.70	26 32 32.79	4.4480716	17.435
Two.....	272 52 23.85	92 54 09.69	3.5643713	2.279

## CORNER 22, CARBON COUNTY, WYO.

Three-point station at corner of secs. 7, 18, 12, and 13, T. 23 N., Rs. 79 and 80 W.

[Latitude  $41^{\circ} 58' 20.66''$ . Longitude  $106^{\circ} 20' 40.93''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Ninemile.....	47 54 44.34	227 53 08.60	3.6340140	2.675
Freezeout.....	197 50 44.56	17 52 08.21	3.9721123	5.827
Como.....	292 11 40.67	112 23 07.87	4.4083957	15.913
Pine.....	324 04 04.98	144 11 05.00	4.3937684	15.386

## CORNER 23, CARBON COUNTY, WYO.

Three-point station at corner of Tps. 22 and 23 N., Rs. 79 and 80 W. Instrument was placed 405.2 feet southeast of corner, true azimuth,  $303^{\circ} 25' 44.03''$ . Angles reduced to corner.

[Latitude  $41^{\circ} 54' 51.33''$ . Longitude  $106^{\circ} 20' 40.28''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Two.....	31 13 18.27	211 10 24.56	4.0639976	7.200
Ninemile.....	138 04 03.58	318 02 30.46	3.6815470	2.985
Flat.....	241 19 30.76	61 26 05.95	4.1906905	9.639
Como.....	277 43 33.21	97 54 59.58	4.3786513	14.859
Pine.....	313 06 51.34	133 13 50.80	4.2985143	12.356

**CORNER 24, CARBON COUNTY, WYO.**

Three-point station at corner of secs. 30, 31, 25, and 36, T. 21 N., Rs. 79 and 80 W. Instrument was placed 838.7 feet northeast of corner, true azimuth,  $235^{\circ} 05' 25.63''$ . Angles reduced to corner.

[Latitude  $41^{\circ} 45' 17.50''$ . Longitude  $106^{\circ} 20' 38.61''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Elk Tablet.....	48 14 30.32	228 07 15.96	4.3067216	12.591
Como.....	238 30 58.39	58 42 22.63	4.4431397	17.238
Pine.....	254 31 43.28	74 38 40.97	4.1775241	9.351
Rock.....	336 17 01.41	156 21 39.43	4.3820026	14.975

**CORNER 25, CARBON COUNTY, WYO.**

Three-point station at corner of Tps. 22 and 23 N., Rs. 78 and 79 W. Instrument was placed 592.8 feet southeast of corner, true azimuth,  $337^{\circ} 38' 46.91''$ . Angles reduced to corner.

[Latitude  $41^{\circ} 54' 53.56''$ . Longitude  $106^{\circ} 13' 42.09''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Two.....	58 05 12.58	237 57 39.74	4.2685593	11.532
Ninemile.....	105 53 08.75	285 46 56.18	4.1243419	8.274
Como.....	282 41 35.25	102 48 22.36	4.1595455	8.972
Pine.....	340 31 10.01	160 33 30.43	4.1616838	9.016

**D MARK, CARBON COUNTY, WYO. (Not occupied.)**

Highest point of ridge about 8 miles east of Walcott and about 10 miles southwest of Hanna.

Reference mark: Cairn surmounted by a sawed lumber quadripod, 1.2 feet distant, true azimuth,  $218^{\circ}$ .

Station mark: A bench-mark tablet set in rock.

[Latitude  $41^{\circ} 45' 49.60''$ . Longitude  $106^{\circ} 41' 29.78''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
St. Mary.....	105 46 16.77	285 40 19.46	4.1094658	7.995
One.....	209 14 28.90	29 18 59.39	4.2917249	11.887
Freezeout.....	224 28 57.11	44 44 14.75	4.6542049	28.026
Corner 14.....	233 52 39.69	53 57 15.65	4.0729975	7.351
Two.....	253 19 40.20	73 30 39.48	4.3771364	14.808
Corner 17.....	268 14 42.16	88 23 56.61	4.2840961	11.952
Corner 15.....	276 05 50.69	96 10 27.50	3.9848815	6.001

## ELK TABLET, CARBON COUNTY, WYO.

A high, dome-shaped mountain about 15 miles south of Hanna and about 10 miles west of Elk Mountain post office. The mountain is precipitous, and there is much down timber on it, making ascent difficult. The most practicable route is from Rattlesnake Pass, on the northwest side. At one time there was a trail along this route, but at present only traces are found at intervals. Time required to ascend peak is about six hours. Summit is above timber line and consequently bald.

Reference mark (previously used as station mark): A cairn about 5 feet in diameter and 6 feet high, the center of which is 12.7 feet from station, true azimuth,  $40^{\circ} 12'$ . The position of this monument was accepted as latitude  $41^{\circ} 37' 59.46''$ , longitude  $106^{\circ} 31' 31.76''$ , as published in Bulletin 245, page 298.

Station mark: A bronze tablet, cemented in solid rock; true azimuth to reference mark,  $40^{\circ} 12'$ , distant 12.7 feet.

[Latitude  $41^{\circ} 37' 59.54''$ . Longitude  $106^{\circ} 31' 31.63''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
			Log. meters.	Miles.
Needle.....	24 15 41.37	204 07 27.04	4.6261579	26.273
Mount Steele.....	120 15 01.25	299 56 11.55	4.6563608	28.165
St. Mary.....	124 33 07.87	304 20 32.99	4.5024497	19.761
Corner 15.....	162 37 07.84	342 35 06.44	4.1497064	8.771
Corner 14.....	168 48 40.81	345 46 18.39	4.3401901	13.600
One.....	171 53 57.90	351 51 49.56	4.4983714	19.576
Yellow.....	176 50 17.67	356 49 29.09	4.4837730	18.929
Shirley.....	177 34 45.43	357 33 32.51	4.7730833	36.850
Corner 18.....	189 39 32.22	09 42 05.22	4.4989583	19.602
Two.....	202 57 21.22	23 01 41.53	4.3643810	14.379
Flat.....	216 28 07.70	36 41 56.02	4.6823859	29.904
Halfway.....	227 04 48.88	47 15 18.66	4.4745802	18.532
Corner 24.....	228 07 15.96	48 14 30.32	4.3067216	12.591
Como.....	234 03 39.12	54 22 17.43	4.6795845	29.712
Pine.....	239 07 31.51	59 21 43.22	4.5369989	21.397
Rock.....	288 56 02.59	109 07 53.78	4.4190751	16.309
Medicine Bow.....	330 02 24.55	150 10 42.08	4.5434254	21.716

## FLAT, CARBON COUNTY, WYO.

Situated in sec. 9, T. 23, R. 78, on the west end of a hill locally known as Flat Top Mountain, and about 1 mile east and 6 miles north of Medicine Bow. The road from Medicine Bow to the T. B. ranch passes close to the east end of the hill, and one can drive to within 100 yards of the station.

Reference marks: 1. Arrowhead pointing to center; chiseled in solid rock, is 13.5 feet NE. 2. Arrowhead pointing to center, chiseled in solid rock, is 15.5 feet S.  $30^{\circ}$  W.

Station mark: Bronze tablet in solid rock.

Signal: Sawed-lumber tripod.

[Latitude  $41^{\circ} 53' 52.15''$ . Longitude  $106^{\circ} 10' 49.09''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
			Log. meters.	Miles.
Rock.....	4 48 20.60	184 46 26.50	4.6755027	29.434
Elk Tablet.....	36 41 56.02	216 28 07.70	4.6823859	29.904
Two.....	48 36 49.23	228 27 20.55	4.4181452	16.274
Corner 23.....	61 26 05.95	241 19 30.76	4.1906905	9.639
Corner 19.....	95 09 31.80	274 58 12.06	4.3706779	14.589
Corner 20.....	119 49 46.80	299 47 56.02	3.6427533	2.730
Quealey.....	123 00 45.67	302 46 15.00	4.5511920	22.159
Freezeout.....	126 33 54.02	306 28 41.53	4.1260229	8.306
Bone.....	167 51 04.82	347 49 36.43	4.1585800	8.952
Como.....	316 41 19.48	136 46 11.22	4.1665644	9.118
Pine.....	357 38 43.16	117 39 08.17	4.3233190	13.082
Medicine Bow Tank.....	9 15 47 01	189 15 03.04	3.9741204	5.854
Elk Monument.....	36 41 57.10	216 28 08.70	4.6824208	29.907

**FREEZEOUT, CARBON COUNTY, WYO. (Not occupied.)**

On highest point of Freezeout Mountain, about 6 miles north of bridge on road from Medicine Bow to Beer Mug ranch on the only high, timbered ridge.

Station mark: Trimmed pine tree.

[Latitude 42° 03' 09.97". Longitude 106° 18' 35.96".]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Corner 22.....	17 52 08.21	197 50 44.56	3.9721123	5.847
Two.....	19 20 16.46	199 15 59.42	4.4282020	16.655
Corner 17.....	21 39 00.63	201 32 58.22	4.5305632	21.082
Corner 21.....	26 32 32.79	206 26 29.70	4.4480716	17.435
D mark.....	44 44 14.75	224 28 57.11	4.6542049	28.026
One.....	55 25 54.97	235 15 07.25	4.4329743	16.839
Corner 19.....	65 05 05.66	244.58 58.00	4.1441409	8.659
Quealey.....	120 47 34.92	300 38 16.68	4.3473948	13.828
Flat.....	306 28 41.53	126 33 54.02	4.1260229	8.306
Como.....	311 46 36.45	131 56 40.59	4.4461032	17.356
Corner 20.....	309 45 05.22	129 48 26.90	3.9551116	5.604

**HALFWAY, CARBON COUNTY, WYO. (Not occupied.)**

Near the center of a low ridge known as Halfway Hill, 9 miles southwest of Medicine Bow, half a mile west of Elk Mountain and Medicine Bow road.

Station mark: A quadripod of sawed lumber.

[Latitude 41° 48' 56.79". Longitude 106° 15' 45.37".]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Elk Tablet.....	47 15 18.66	227 04 48.88	4.4745803	18.532
Two.....	94 37 45.09	274 31 34.89	4.1090507	7.987
Pine.....	289 03 46.26	109 07 28.73	3.9113271	5.066

**NINEMILE, CARBON COUNTY, WYO. (Not occupied.)**

Highest point of hill, known as Ninemile Hill, 2.5 miles north and a little west of Como railroad station.

Station mark: A tripod of sawed lumber.

[Latitude 41° 56' 47.11". Longitude 106° 22' 59.64".]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Two.....	11 41 32.71	191 40 11.98	4.1389282	8.556
Corner 22.....	227 53 08.60	47 54 41.34	3.6340140	2.675
Como.....	284 08 01.08	104 21 00.77	4.4432605	17.243
Corner 25.....	285 46 56.18	105.53 08.75	4.1243419	8.274
Pine.....	314 03 05.57	134 11 38.17	4.3922290	15.331
Corner 23.....	318 02 30.46	138 04 03.58	3.6815470	2.985

## ONE, CARBON COUNTY, WYO.

On top and about 20 feet from west point of high ridge 4 miles northwest of Hanna.

Reference mark: Quadripod of sawed lumber over station.

Station mark: A bronze tablet cemented in rock 6 by 6 inches, 2 feet long, set 1.5 feet in ground.

[Latitude 41° 54' 50.45". Longitude 106° 34' 44.28'.]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	<i>Log. meters.</i>	<i>Miles.</i>
D mark.....	29 18 59.39	209 14 28.90	4.2817249	11.887
St. Mary.....	58 48 14.12	238 37 45.71	4.4051824	15.796
Quealey.....	186 38 10.64	6 39 41.50	4.4307055	16.752
Corner 19.....	225 02 34.40	45 07 14.66	4.1323974	8.428
Freezeout.....	235 15 07.25	55 25 54.97	4.4329743	16.839
Yellow.....	285 37 23.43	105 38 43.40	3.4571969	1.781
Corner 16.....	297 01 51.62	117 01 57.46	2.3544431	.141
Two.....	306 14 20.73	126 20 50.33	4.2227627	10.378
C.....	339 57 27.06	160 00 29.95	4.2667950	11.485
Elk.....	351 51 49.56	171 53 57.90	4.4983714	19.576
Corner 14.....	358 49 50.68	178 49 56.41	3.9876828	6.040
Corner 15.....	359 14 41.13	179 14 47.88	4.2484686	11.011

## PINE, CARBON COUNTY, WYO.

Near west end of Pine Ridge where it breaks off in a steep bluff in sec. 16, T. 21 N., R. 78 W. The station is nearly in line with a wire fence running north and south to the south of the ridge. The station can be reached by wagon, going about 10 miles from Medicine Bow on the Arlington road, then driving nearly to the top from the south side of ridge.

Reference marks: 1. Arrow pointing to center, east, distant 14 feet. 2. Arrow pointing to center, S. 70° W., distant 21 feet.

Station mark: Tablet set in sandstone.

Signal: Poles and plank.

[Latitude 41° 47' 30.34". Longitude 106° 10' 11.63'.]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	<i>Log. meters.</i>	<i>Miles.</i>
Rock.....	10 28 19.44	190 26 00.67	4.4250546	16.535
Elk Tablet.....	59 21 43.22	239 07 31.51	4.5369989	21.397
Derrick.....	63 44 02.53	243 40 49.07	3.8739182	4.638
Corner 24.....	74 38 40.97	254 31 43.28	4.1775241	9.351
Two.....	100 17 04.65	280 07 12.05	4.3190955	12.955
Halfway.....	109 07 28.73	289 03 46.26	3.9113271	5.066
Corner 23.....	133 13 50.80	313 06 51.34	4.2985143	12.356
Ninemile.....	134 11 38.17	314 03 05.57	4.3922290	15.331
Corner 22.....	144 11 05.00	324 04 04.98	4.3937684	15.386
Corner 25.....	160 33 30.43	340 31 10.01	4.1616838	9.016
Medicine Bow Tank.....	168 32 12.12	348 31 03.23	4.0783118	7.442
Flat.....	177 39 08.17	357 38 43.16	4.3233191	13.082
Como.....	221 37 22.79	41 41 49.01	4.1415870	8.609
Elk Monument.....	59 21 35.70	239 07 23.91	4.5370451	21.399



## QUEALEY, CARBON COUNTY, WYO.

On Shirley Mountain, on rock having 20 by 20 foot base and 30 feet high, on highest point of ridge that parallels the ridge on which Shirley station is located. It is about 2 miles southeast of Quealey ranch sawmill and about 450 feet northeast of a similar rock which marks the southern point of the ridge. Station can be reached by wagon through Quealey ranch to the ranch sawmill, thence by saddle animal.

Reference mark: Tall lodgepole pine tree set in quadripod, distant from station 5.15 feet, true azimuth,  $109^{\circ} 12'$ .

Station mark: Bronze tablet cemented in solid rock.

[Latitude  $42^{\circ} 09' 18.36''$ . Longitude  $106^{\circ} 32' 28.53''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
One.....	6 39 41.50	186 38 10.64	4.4307055	16.752
St. Mary.....	31 55 17.85	211 43 17.21	4.6725558	29.235
Shirley.....	136 56 15.62	316 55 40.56	3.2449948	1.092
Chalk.....	195 15 34.02	15 18 21.05	4.3344902	13.423
Bone.....	280 56 34.35	101 09 37.56	4.4365058	16.977
Freezeout.....	300 38 16.68	120 47 34.92	4.3473948	13.328
Corner 20.....	303 13 04.21	123 25 44.04	4.4940561	19.382
Como.....	306 45 11.56	127 04 33.68	4.6986049	31.042
Two.....	344 14 54.10	164 19 53.83	4.5807722	23.666
Yellow.....	0 45 55.71	180 45 45.01	4.4401606	17.120
Flat.....	302 46 15.00	123 00 45.67	4.5511920	22.159

## ROCK, CARBON COUNTY, WYO.

Situated about 3 miles south of Arlington post office and 1.5 miles east of Rock Creek. The point, locally known as Rock Mountain, was cleared of timber and a quadripod signal erected on highest point. Can be reached with pack outfit by blind trail from Arlington. On account of windfalls this point is difficult to approach except by trail.

Station mark: A bronze tablet cemented in solid rock.

[Latitude  $41^{\circ} 33' 22.12''$ . Longitude  $106^{\circ} 13' 40.34''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Medicine Bow.....	18 54 38.19	198 51 06.06	4.3613261	14.278
Elk Tablet.....	109 07 53.78	288 56 02.59	4.4190751	16.309
Corner 24.....	156 21 39.43	336 17 01.41	4.3829026	14.975
Derrick.....	175 16 51.82	355 15 57.53	4.3604706	14.250
Flat.....	184 46 26.50	4 48 20.60	4.6755027	29.434
Two.....	152 16 59.74	332 09 27.32	4.5232984	20.972
Pine.....	190 26 00.67	10 28 19.44	4.4250546	16.535
Como.....	200 59 14.23	21 05 58.75	4.5925010	24.314

## ST. MARY, CARBON COUNTY, WYO.

Situated 2.5 miles north of Walcott station on the Union Pacific R. R., on a high bare point, known as St. Marys Hill.

Station mark: A bronze triangulation tablet set in rock 10 by 5 by 2 feet, over which is built a cairn 6 feet high.

[Latitude 41° 47' 42.61". Longitude 106° 50' 26.08".]

To station—	Azimuth.	Back azi- muth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Sage (2).....	47 30 43.33	227 22 00.52	4.3918949	15.320
Greenville.....	69 56 02.79	249 46 23.71	4.3302768	13.293
Mount Steele.....	11 05 52.95	289 59 37.79	4.1406498	8.590
Pedro.....	180 30 37.46	0 30 52.30	4.7555596	35.392
Shirley.....	209 40 36.55	29 52 02.34	4.6770115	29.537
Quealey.....	211 43 17.21	31 55 17.85	4.6725558	29.235
One.....	238 37 45.71	58 48 14.12	4.4051824	15.796
Yellow.....	242 59 35.67	63 11 23.91	4.4387141	17.063
Two.....	264 28 56.65	84 45 53.66	4.5486253	21.977
C.....	278 19 39.93	98 33 10.06	4.4531860	17.642
D.....	285 40 19.46	105 46 16.77	4.1094658	7.995
Elk Tablet.....	304 20 32.99	124 33 07.87	4.5024497	19.761
Needle.....	350 35 58.45	171 00 15.64	4.7579061	35.584

## TWO, CARBON COUNTY, WYO.

On the top of the north hill of the Saddleback Hills. It is about 7 miles southeast of Hanna and 1 mile east-southeast of Jacks Spring ranch house.

Station mark: A bronze tablet cemented in rock 6 by 10 inches by 1.5 feet, set flush with ground. A small pine tree in cairn was erected over tablet.

[Latitude 41° 49' 30.04". Longitude 106° 25' 00.56".]

To station—	Azimuth.	Back azi- muth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Elk Tablet.....	23 01 41.53	202 57 21.22	4.3643810	14.379
Corner 17.....	30 09 09.16	210 07 24.62	3.8580645	4.481
C.....	43 43 04.17	223 39 37.91	4.0147784	6.429
D mark.....	73 30 39.48	253 19 40.20	4.3771364	14.808
St. Mary.....	84 45 53.66	264 28 56.65	4.5486253	21.977
Corner 14.....	90 46 31.41	270 40 07.97	3.1229845	.825
Corner 21.....	92 54 09.69	272 52 23.35	3.5643713	2.279
One.....	126 20 50.33	306 14 20.73	4.2722627	10.378
Yellow.....	130 27 48.70	310 22 39.03	4.1478636	8.734
Quealey.....	164 19 53.83	344 14 54.10	4.5807722	23.666
Ninemile.....	191 40 11.98	11 41 32.71	4.1389282	8.556
Freezeout.....	199 15 59.42	19 20 16.46	4.4282020	16.655
Bone.....	207 43 52.69	27 51 53.82	4.5505500	22.075
Corner 23.....	211 10 24.56	31 13 18.27	4.0639976	7.200
Corner 20.....	218 55 29.79	39 03 07.95	4.4000750	15.011
Flat.....	228 27 20.55	48 36 49.23	4.4181452	16.274
Corner 25.....	237 57 39.74	58 05 12.58	4.2685593	11.532
Como.....	257 15 02.42	77 29 21.88	4.4835655	18.920
Halfway.....	274 31 34.89	94 37 45.09	4.1090507	7.987
Pine.....	280 07 12.05	100 17 04.65	4.3190855	12.955
Rock.....	332 09 27.32	152 16 59.74	4.5282984	20.972

## YELLOW, CARBON COUNTY, WYO. (Not occupied.)

Top of round yellow hill about 4 miles north of Hanna and about half a mile west of Hanna and Shirley Basin road at summit.

Station mark: Cairn about 5 feet high.

[Latitude 41° 54' 25.43". Longitude 106° 32' 44.55".]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	<i>Log. meters.</i>	<i>Miles.</i>
Corner 15.....	8 30 00.59	188 28 46.98	4.2338634	10.647
Corner 14.....	15 59 48.33	195 58 33.76	3.9687869	5.783
St. Mary.....	63 11 23.91	242 59 35.67	4.4387141	17.063
Corner 16.....	104 40 33.52	284 39 19.39	3.4221817	16.426
One.....	105 38 43.40	285 37 23.43	3.4571969	1.781
Quealey.....	180 45 45.01	0 45 55.71	4.4401606	17.120
Corner 18.....	264 23 28.49	84 26 50.09	3.8455076	4.354
Two.....	310 22 39.03	130 27 48.70	4.1478636	8.734
Elk Tablet.....	356 49 29.09	176 50 17.67	4.4837730	18.929

## COLORADO.

### TRIANGULATION STATIONS.

#### Conejos, La Jara, and Summitville quadrangles.

ALAMOSA, ARCHULETA, CONEJOS, MINERAL, AND RIO GRANDE COUNTIES.

During the season of 1919 C. L. Nelson extended triangulation control over the above-named quadrangles.

Sixteen points were located, based on Pagosa and South River stations, North American datum.

#### ALAMOSA, ALAMOSA COUNTY, COLO.

Center of large iron water tank just south of railroad track and two blocks southwest of railroad station at Alamosa, Colo.

Station mark: Center of tank.

[Latitude 37° 27' 55.35". Longitude 105° 52' 12.68".]

To station—	Azimuth.			Back azimuth.		Distance.	
	°	'	"	°	'	Log. meters.	Miles.
La Jara.....	20	42	50	200	40	4.35981	14.228
Prospect.....	31	58	38.74	211	47	4.7045559	31.471
Chiquita.....	69	13	10.81	248	59	4.5497370	22.034
Bennett.....	92	28	14.94	272	07	4.6980352	31.002
Eight-mile.....	98	16	31	278	10	4.17921	9.390
Sego.....	353	27	14.23	173	28	4.5607597	22.600

#### BANDED PEAK, ARCHULETA COUNTY, COLO.

Highest part of ridge forming top of mountain at head of West Fork of Chama River. Ridge can be reached from either Navajo River or Chama River on a trail which crosses ridge about 2 miles south of station. The plateau from which the ridge rises can also be reached by the Manga trail, which leaves South Fork of Conejos River near the fork with Elk Creek. After reaching the plateau one can ride directly to the station, about 10 miles west.

Signal: Conical cairn about 10 feet in diameter and 8 feet high.

Station mark: Bronze tablet cemented in rock.

[Latitude 37° 06' 16.93". Longitude 106° 37' 36.12".]

To station—	Azimuth.			Back azimuth.		Distance.	
	°	'	"	°	'	Log. meters.	Miles.
Pagosa.....	134	08	10.07	313	52	4.7341054	33.686
Summit.....	167	15	04.97	347	12	4.4471880	17.400
Bennett.....	202	05	24.95	22	12	4.6568431	28.196
Chiquita.....	230	58	55.02	51	12	4.6394950	27.092
Flat.....	280	00	20.73	100	04	3.9799844	5.934

**BELLEVUE, RIO GRANDE COUNTY, COLO. (Not occupied.)**

On east end of Bellevue Mountain, locally known as North Mountain, about 1 mile north of nearly abandoned town of Summitville.

Station mark: A rock monument having a 7-foot base and 9 feet high, probably erected by the Wheeler Survey.

Reference mark: The point occupied by theodolite is a hole drilled in a large rock (cracked), in which is cemented a nail with the head projecting 0.25-inch, and over which a rock monument having a 2-foot base and 3 feet high was erected. True bearing from station, 227° 43', distance, 9.9 feet.

[Latitude 37° 27' 02.54"; 02.48" (B). Longitude 106° 36' 15.19"; 14.98" (B).]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Summit (B).....	36 23 20.74	216 19 59.08	4.1390418	.....
Pagosa (B).....	89 06 35.64	268 49 43.89	4.6118040	.....
South River (B).....	112 28 06.51	292 14 20.07	4.5567810	.....
Del Norte (E).....	193 15 16.41	13 16 46.77	4.2007172	9.864
Bennett (E).....	256 24 49.58	76 31 02.92	4.1906878	9.639
Summit (N).....	36 23 32	216 20 10	4.13900	8.558
South River (N).....	112 28 08	292 14 23	4.55672	22.391
Bennett (N).....	256 24 52	76 31 05	4.19063	9.638

(B) Work done by H. L. Aldwin, jr., in 1906.

**BENNETT, RIO GRANDE COUNTY, COLO.**

Situated on the highest part of Bennett Peak and at the headwaters of San Francisco Creek.

Signal: A cairn of 4.5 feet base and 6.5 feet in height.

Station mark: A bronze tablet set in rock under center of cairn.

[Latitude 37° 29' 00.28" (N); 00.24" (E). Longitude 106° 26' 01.54" (N); 01.25" (E).]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Bellevue (E).....	76 31 02.92	256 24 49.58	4.1906878	.9639
South River (E).....	101 55 42.71	281 35 42.09	4.6940039	30.715
Del Norte (E).....	136 00 50.46	315 56 06.92	4.2159060	10.215
East Butte (E).....	194 51 25.54	14 54 33.85	4.4692850	18.308
Observatory (E).....	197 28 28	.....	4.34010	13.597
Chimney (E).....	209 19 48	.....	4.44964	17.498
Dog (E).....	200 53 36.70	29 56 49.63	4.1926261	9.682
Center (E).....	224 05 53	.....	4.66204	26.025
Red Silo (E).....	226 30 21	.....	4.45018	17.520
White Silo (E).....	211 07 06	.....	4.59736	24.587
Flat (N).....	10 03 30.82	190 00 20.72	4.6471110	27.572
Banded (N).....	22 12 25.80	202 05 24.95	4.6568431	28.196
Summit (N).....	57 44 44.06	237 35 09.47	4.4396680	17.101
Bellevue (N).....	76 31 05	256 24 52	4.19063	9.638
South River (N).....	101 55 44.19	281 35 43.77	4.6939384	30.711
Alamosa (N).....	272 07 40.54	92 28 14.94	4.6980352	31.002
Chiquita (N).....	311 05 07.87	131 12 02.15	4.3475967	13.834
Prospect (N).....	332 37 10.65	152 46 41.86	4.7045632	31.471
Yellow Point (N).....	358 58 12	178 58 20	4.25282	11.122

(E) Work done by J. R. Ellis in 1914. (N) Work done by C. L. Nelson in 1919.

**BIG HORN, CONEJOS COUNTY, COLO.**

Hill about 0.25 mile south of railroad, about 15 miles southwest of Conejos, Colo., near northeast edge of top of mountain.

Station mark: Bronze tablet in rock directly under trimmed part of fir tree 3 feet in diameter.

[Latitude  $36^{\circ} 59' 11.77''$ . Longitude  $106^{\circ} 10' 44.85''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Prospect .....	183 40 09.18	3 40 25.02	4.0065496	6.307
Sego .....	241 38 11.79	61 51 03.34	4.5551649	22.311
Ortiz .....	263 40 27.02	83 46 02.76	4.1424046	8.625

**CAPULIN, CONEJOS COUNTY, COLO. (Not occupied.)**

Station is cupola of large red, sheet-iron store building, on north side of road in town of Capulin.

[Latitude  $37^{\circ} 17' 01.74''$ . Longitude  $106^{\circ} 06' 37.56''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Prospect .....	13 26 02	193 23 48	4.37100	14.600
Chiquita .....	122 20 02	302 15 10	4.14750	8.727
Sego .....	302 02 22	122 11 54	4.47820	18.687

**CHIQUITA, CONEJOS COUNTY, COLO.**

On top of Chiquita Peak, between Gata and Alamosa creeks, about 25 miles southwest of Alamosa. Foot of mountain can be reached by automobile from Alamosa up Alamosa Creek.

Station mark: Bronze tablet in rock flush with ground.

Signal: Centered over tablet, 2 by 4 inch scantling, nailed in cedar tree and supporting frame for cloth.

[Latitude  $37^{\circ} 21' 05.13''$ . Longitude  $106^{\circ} 14' 39.72''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Flat .....	40 17 05.00	220 07 02.77	4.5801081	23.630
Banded .....	51 12 48.72	230 58 56.02	4.6304950	27.092
Yellow Point .....	78 53 48	258 47 02	4.22479	10.427
Bennett .....	131 12 02.15	311 05 07.87	4.3475967	13.834
Alamosa .....	248 59 32.49	69 13 10.81	4.5497370	22.034
La Jara .....	289 12 16	109 22 33	4.42445	16.512
Sego .....	302 02 39.82	122 17 56.77	4.6445726	27.411
Capulin .....	302 15 10	122 20 02	4.14750	8.727
Prospect .....	348 00 07.09	168 02 45.05	4.4918336	19.283

**CONEJOS COURTHOUSE, CONEJOS COUNTY, COLO. (Not occupied.)**

Flagstaff and center of cupola of courthouse at Conejos.

[Latitude  $37^{\circ} 05' 20.18''$ . Longitude  $106^{\circ} 01' 13.10''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Ortiz .....	1 59 05	181 58 57	3.99320	6.117
Prospect .....	84 50 19	264 44 50	4.13123	8.406
Sego .....	252 04 10	72 10 47	4.26433	11.420

## EIGHT-MILE, CONEJOS COUNTY, COLO.

The eastern of two red-brick chimneys on hip-roofed house about 80 feet east of north and south road and about 8 miles west of Alamosa. The chimney was observed from Alamosa, and a three-point or resection station was made at house.

[Latitude  $37^{\circ} 29' 05.45''$ . Longitude  $106^{\circ} 02' 21.22''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	<i>Log. meters.</i>	<i>Miles.</i>
Prospect.....	14 37 59	194 33 10	4.66905	29.000
Alamosa.....	278 10 21	98 16 31	4.17921	9.390
Sego.....	333 23 39	153 31 31	4.63152	28.599

## FLAT, CONEJOS COUNTY, COLO.

On highest part of ridge lying south of Elk Creek. To reach station take wagon road up Conejos River to mouth of Elk Creek. Another creek comes in from the southwest near this junction. Take the trail up east side of this creek and follow creek to its head at top of plateau.

Reference mark: Bronze tablet set in rock flush with ground.

Station mark: Stone monument of 10-foot base and 8 feet high. Azimuth from monument to tablet,  $169^{\circ}$ ; distance, 8 feet.

[Latitude  $37^{\circ} 05' 22.93''$ . Longitude  $106^{\circ} 31' 15.33''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	<i>Log. meters.</i>	<i>Miles.</i>
Banded.....	100 04 10.40	280 00 20.73	3.9799844	5.934
Summit.....	151 47 15.92	331 40 53.72	4.5171453	20.441
Bennett.....	190 00 20.72	10 03 30.82	4.8471110	27.572
Chiquita.....	220 07 02.77	40 17 05.00	4.5801081	23.630
Prospect.....	272 18 58.52	92 31 36.34	4.4923265	19.305

## LA JARA, CONEJOS COUNTY, COLO. (Not occupied.)

Smokestack near elevator at La Jara. There is another stack at pumping station 0.25 mile north. From Alamosa the two stacks are nearly in line.

[Latitude  $37^{\circ} 16' 20.38''$ . Longitude  $105^{\circ} 57' 41.18''$ .]

To station—	Azimuth.	Back azimuth.	Distance.	
	° ' "	° ' "	<i>Log. meters.</i>	<i>Miles.</i>
Prospect.....	40 56 58	220 49 20	4.45552	17.736
Chiquita.....	109 22 33	289 12 16	4.42445	16.512
Alamosa.....	200 40 25	20 42 50	4.35981	14.228
Sego.....	320 11 39	140 15 46	4.28200	11.895

## ORTIZ, CONEJOS COUNTY, COLO.

Tablet in malpais stone 1 foot by 18 inches in top measurement, flush with ground, 295 feet east of northernmost and upper one of eight juniper trees on edge of mesa overlooking San Antonio and town of Ortiz. Station is about 1.5 miles east of town of Ortiz.

Station mark: Sawed-lumber tripod signal erected over tablet.

[Latitude 37° 00' 01.02". Longitude 106° 01' 26.89".]

To station—	Azimuth.			Back azi- muth.			Distance.	
	°	'	"	°	'	"	Log. meters.	Miles.
Big Horn.....	83	46	02.76	263	40	27.02	4.1424046	8.625
Prospect.....	123	17	01.72	303	11	41.47	4.1961570	9.761
Conejos Courthouse.....	181	58	57	1	59	05	3.99320	6.117
Sego.....	228	59	31.71	49	06	47.05	4.3732946	14.677

## PAGOSA PEAK, MINERAL COUNTY, COLO.

Best reached from south and east by taking road from Pagosa Springs north 10 miles to Lloyd Clark ranch (formerly Cabe's), then proceeding on road 2 miles to sheep-dipping corral. From here a blazed trail leads north along creek for some distance to foot of two falls. Cross creek on snowslide line from southwest, ascend hill between falls, finally crossing at head of larger fall. Continue upstream 2 miles, and at upper end of large park turn south, keeping east of rocky ridges to good camp 1.5 miles northeast of peak. From here ascent is easy with animals.

Station mark: A bronze tablet cemented in rock on highest point of peak, over which is a cairn of 6 feet base and 8 feet high.

[Latitude 37° 26' 38.61". Longitude 107° 03' 58.94".]

To station—	Azimuth.			Back azi- muth.			Distance.	
	°	'	"	°	'	"	Log. meters.	Miles.
Oakbrush (B).....	4	15	18.88	184	14	26.21	4.4606272	.....
Piedra (B).....	41	22	40.49	221	08	31.66	4.7191152	.....
Graham (B).....	102	17	51.67	282	06	34.25	4.4470891	.....
Pyramid (B).....	132	23	25.83	312	11	31.24	4.5898559	.....
South River (B).....	207	31	27.76	27	34	34.55	4.2119146	.....
Bellevue (B).....	268	49	43.89	89	06	35.64	4.6118040	.....
Summit (B).....	287	25	44.64	107	39	13.60	4.5360494	.....
Summit (N).....	287	25	35.25	107	39	04.10	4.5359741	21.346
Banded (N).....	313	52	11.44	134	08	10.07	4.7341054	33.696

(B) Work done by H. L. Baldwin, jr., in 1906. (N) Work done by C. L. Nelson in 1919.

## PROSPECT, CONEJOS COUNTY, COLO.

Northernmost of two peaks on Prospect Mountain, about 10 miles west of town of Conejos. Take road to Brown's ranch, thence trail to peak.

Station mark: Bronze triangulation tablet in rock flush with ground.

Signal: Quadripod of quaking-asp poles centered over tablet. Quadripod filled solid with branches.

[Latitude 37° 04' 40.35 ". Longitude 106° 10' 18.55".]

To station—	Azimuth.			Back azi- muth.			Distance.	
	°	'	"	°	'	"	Log. meters.	Miles.
Big Horn.....	3	40	25.02	183	40	09.18	4.0064596	6.307
Flat.....	92	31	36.34	272	18	58.52	4.4923265	19.305
Bennett.....	152	46	41.86	332	37	10.65	4.7045632	31.471
Chiquita.....	168	02	45.05	348	00	07.09	4.4918336	19.283
Eight-mile.....	194	33	10	14	37	59	4.66905	29.000
Capulin.....	193	23	48	13	26	02	4.37100	14.600
Alamosa.....	211	47	41.14	31	58	38.74	4.7045559	31.471
La Jara.....	220	49	20	40	56	58	4.45552	17.736
Sego.....	257	23	04.00	77	35	40.49	4.5012232	19.705
Conejos Courthouse.....	264	44	50	84	50	19	4.13123	8.406
Ortiz.....	303	11	41.47	123	17	01.72	4.1961570	9.761



## SEGO, CONEJOS COUNTY, COLO.

Top of highest of San Luis Hills, about 2 miles south of Segó ranch and about 4 miles east of Manassa.

Station mark: Bronze tablet in rock set flush with ground.

Signal: A 2 by 4 inch scantling nailed in top of cedar tree. Cedar branches bound around base of tree concentric with upright. Signal is southwest of tablet and 17.1 feet distant.

[Latitude 37° 08' 23.19". Longitude 105° 49' 24.68".]

To station—	Azimuth.			Back azimuth.		Distance.	
	°	'	"	°	'	Log. meters.	Miles.
Ortiz.....	49	06	47.05	228	59	4.3732946	14.677
Big Horn.....	61	51	03.34	241	38	4.5551649	22.311
Conejos Courthouse.....	72	10	47	252	04	4.26433	11.420
Prospect.....	77	35	40.49	257	23	4.5012232	19.705
Capulin.....	122	11	54	302	02	4.47820	18.687
Chiquita.....	122	17	56.77	302	02	4.6445726	27.411
La Jara.....	140	15	46	320	11	4.28200	11.895
Eight-mile.....	153	31	31	333	23	4.63152	26.599
Alamosa.....	173	28	56.04	353	27	4.5607597	22.600

## SOUTH RIVER, MINERAL COUNTY, COLO.

On the summit of South River Peak, at the head of Red Mountain Creek, which empties into Rio Grande about 12 miles southwest of Creede station. Point is on east side of east branch of creek. A road by Red Mountain Creek ends in a basin about 1 mile west of the peak. From the terminus of this road a trail leads across the divide and to Pagosa Springs.

Station mark: A bronze tablet cemented in rock, over which a cairn 3½ feet in diameter and 6 feet high was erected.

[Latitude 37° 34' 27.08". Longitude 106° 58' 52.17".]

To station—	Azimuth.			Back azimuth.		Distance.	
	°	'	"	°	'	Log. meters.	Miles.
Uncompahgre (Mc).....	142	41	50.92	322	24	4.8424016	.....
Pyramid (Mc).....	108	02	41.92	287	47	4.5811070	.....
Bristol (Mc).....	165	05	40.79	345	02	4.4009798	.....
San Luis (Mc).....	185	30	42.19	5	32	4.6629397	.....
Ouray (Mc).....	214	58	56.69	35	26	5.0618017	.....
Pagosa (B).....	27	34	34.55	207	31	4.2119146	.....
Graham (B).....	76	22	58.54	256	08	4.5550681	.....
La Garita (B).....	197	54	21.81	17	59	4.6031924	.....
Belleview (B).....	292	14	20.07	112	28	4.5567810	.....
Summit (B).....	314	27	34.07	134	37	4.5484071	.....
Del Norte (E).....	267	10	06.59	87	25	4.5679884	22.979
Bennett (E).....	281	35	42.09	101	55	4.6940039	30.715
Bennett (N).....	281	35	43.77	101	55	4.6939384	30.711
Belleview (N).....	292	14	23	112	28	4.55672	22.391
Summit (N).....	314	27	41.73	134	38	4.5483331	21.963

(Mc) Work done by J. F. McBeth in 1904. (B) Work done by H. L. Baldwin, Jr., in 1906. (E) Work done by J. R. Ellis in 1914. (N) Work done by C. L. Nelson in 1919.

## SUMMIT, ARCHULETA AND CONEJOS COUNTIES, COLO.

The highest point on the portion of the Continental Divide forming the boundary line between Conejos and Archuleta counties. A fallen cairn, which marks position of triangulation station No. 3 of the Wheeler Survey, occupied September 2, 1874, as shown by a record found in the old cairn, stands about 10 feet west of station. It is about 4 miles south of abandoned town of Elmwood and easily reached by trail therefrom. After proceeding 1 mile take right-hand trail up Bear Gulch to head of creek, passing over divide and past peak 1 mile farther southwest and then ascending with horses the south slope to summit of mountain.

Station mark: An aluminum tablet set in solid rock, over which is a cairn with 5-foot base and 6 feet high.

[Latitude 37° 21' 02.80" (N); 02.69" (B). Longitude 106° 41' 47.19" (N); 46.98" (B).]

To station—	Azimuth.	Back azi- muth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Pagosa (B).....	107 39 13.60	287 25 44.64	4.5360494	.....
South River (B).....	134 37 57.63	314 27 34.07	4.5484071	.....
Bellevue (B).....	216 19 59.08	36 23 20.74	4.1390418	.....
Pagosa (N).....	107 39 04.10	287 25 35.25	4.5359741	21.346
South River (N).....	134 38 05.17	314 27 41.73	4.5483331	21.963
Bellevue (N).....	216 20 10	36 23 32	4.13900	8.558
Bennett (N).....	237 35 09.47	57 44 44.06	4.4396680	17.101
Yellow Point (N).....	277 35 02	97 44 45	4.37682	14.797
Flat (N).....	331 40 53.72	151 47 15.92	4.5171453	20.441
Banded (N).....	347 12 33.07	167 15 04.97	4.4471880	17.400

(B) Work done by H. L. Baldwin, jr., in 1906. (N) Work done by C. L. Nelson, in 1919.

## YELLOW POINT, CONEJOS COUNTY, COLO. (Not occupied.)

A monument on bald part of hill between Chiquita and Summit.

[Latitude 37° 19' 19.78". Longitude 106° 25' 48.48".]

To station—	Azimuth.	Back azi- muth.	Distance.	
	° ' "	° ' "	Log. meters.	Miles.
Summit.....	97 44 45	277 35 02	4.37682	14.797
Bennett.....	178 58 20	358 58 12	4.25282	11.122
Chiquita.....	258 47 02	78 53 48	4.22479	10.427