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Watson
N-15

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HARVARD UNIVERSITY

THE GIFT OF

The Misses Watson of Northampton
(nieces of Dr. Sereno Watson)

April 28, 1924.

Missoula Signal Station - Mean barometer for July, 26.744

Aug. 6 - Standard barometer 26.471

Anemoid 26.6

Error - .271

Aug. 16 - Standard barometer 26.715

Anemoid 26.43

Error - .285

Sept. 13 - Standard barometer 26.620

Anemoid 26.33

Error - .290

Summit by Railroad level. 6,869 feet

Near Peak 2° higher, N. $1\frac{1}{2}^{\circ}$ E

Peaks $1\frac{1}{4}^{\circ}$ " N. $42\frac{1}{2}^{\circ}$ W - probably above French ^{9 miles}

" " N. 106° W }
" " N. 114° W } most of Big Hole ^{valley}
" " N. 106° W }

Temp. of spring = 140°

1880

- July 13 Base of Mountains, Pleasant Valley
" " 5,200 feet
" First trees 5,700 "
" Trees cease 6,400 "
" Summit 6,680 "
- July 20 Timber line on Bald Mt.
" 10 A.M. - Therm. $62\frac{1}{2}^{\circ}$ 9,460 feet
" Peak, $11\frac{1}{2}$ " " $61\frac{1}{2}$ 10,300 "
" " 12 M. " $63\frac{1}{2}$ 10,310 "
- July 23 Divide between Grasshopper & Big Hole valleys
" 10.45 A.M. Therm. 70° 7,200 feet
" Hot Spring, Big Hole Valley
" Therm. 74° 6,300 "
- July 26 Divide at head of Trail Creek
" Therm. 66° 6,470 + feet
" Noon camp at base of descent
" Therm. 74° 5,100 "

"S. P. Harlan, Skalkaho, Montana"

Standard Barometer at Fort Missoula

Aug. 6

11.10 Am.

26.871

Aneroid

26.60

Error

- .271

July	28	Rock Creek Camp - stormy.	Therm. 44°	4,040 feet
	29	Harlan's Ranch	Therm. 41°	3,860 "
	"	Stevensville Bridge		3,775 "
		7.30 P.M.	Therm 58°	3,430 "
	30	6.00 AM.	" 52½	3,480 "
Aug.	1	Missoula		"
	"	2 P.M.	Therm. 75°	3,160 "
	"	8 "	" 79°	3,170 "
	2	7 AM.	" 68°	3,110 "
	"	9 P.M.	" 78°	3,220 "
	3	7 AM.	" 73°	3,260 "
	"	1½ P.M.	" 79½°	3,360 "
	"	9 "	" 77°	3,420 "
	4	7 AM.	" 59°	3,450 "
	"	9 P.M.	" 71°	3,510 "
	5	7 AM.	" 59½°	3,370 "
	"	8½ P.M.	" 64°	3,370 "
	6	7½ AM.	" 65	3,200 "
	"	10 P.M.	" 65	3,210 "
	7	6 AM.	" 52½	3,120 "



- Aug. 8 Hellgate Camp.
- " 6 am. Therm. 47° 3,460 feet
- " 6 pm. " 82° 3,650 "
- 9 5 am. " 38° 3,670 "
- 10 New Chicago Camp. Storm at night
- 5 1/2 am. Therm. $57\frac{1}{2}^{\circ}$ 4,350 feet
- " Divide in woods
- 10 1/4 am. " 64° 6,150 "
- " Pass divide above Nevada Creek valley
- 12.45 pm. Therm. 68° 6,050 feet
- " Nevada Creek, (Hensley P.O.)
- 7.30 pm. Therm. 58° 4,620 "
- 11 6.00 am. " $48\frac{1}{2}$ 4,580 "
- " Camp at mouth of Cañon
- 6.30 pm. Therm. 55° 4,350 "
- 12 5.15 am " $27\frac{1}{2}$ 4,250 "
- " Divide
- 10.15 am. " 70° 4,625 "
- " Night Camp
- 7 pm. " 63° 4,650 "
- 13 7 am. " $41\frac{1}{2}$ 4,600 "

Standard Barometer at Fort Missoula

Aug. 16

11 AM.

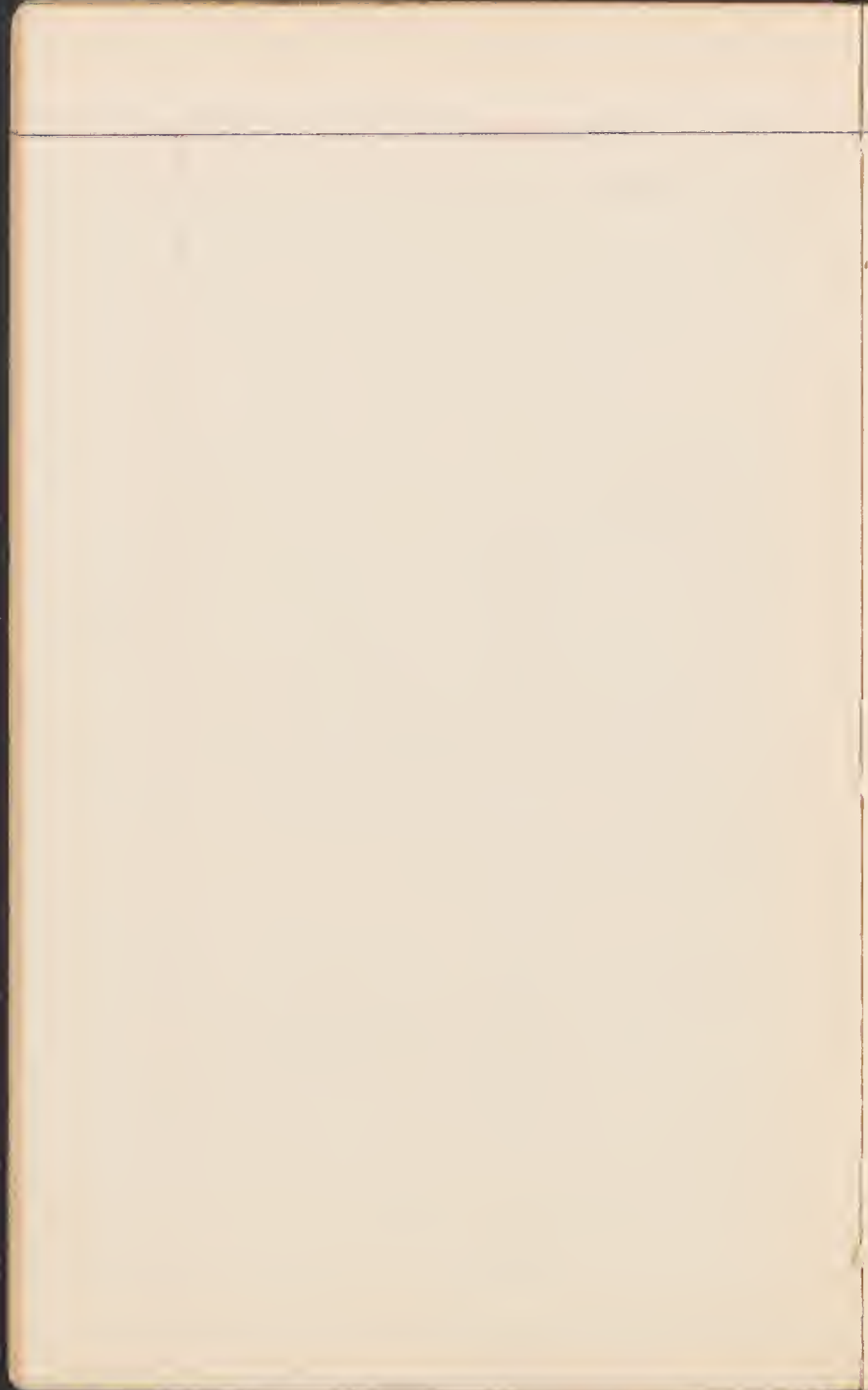
26.715

Aneroid

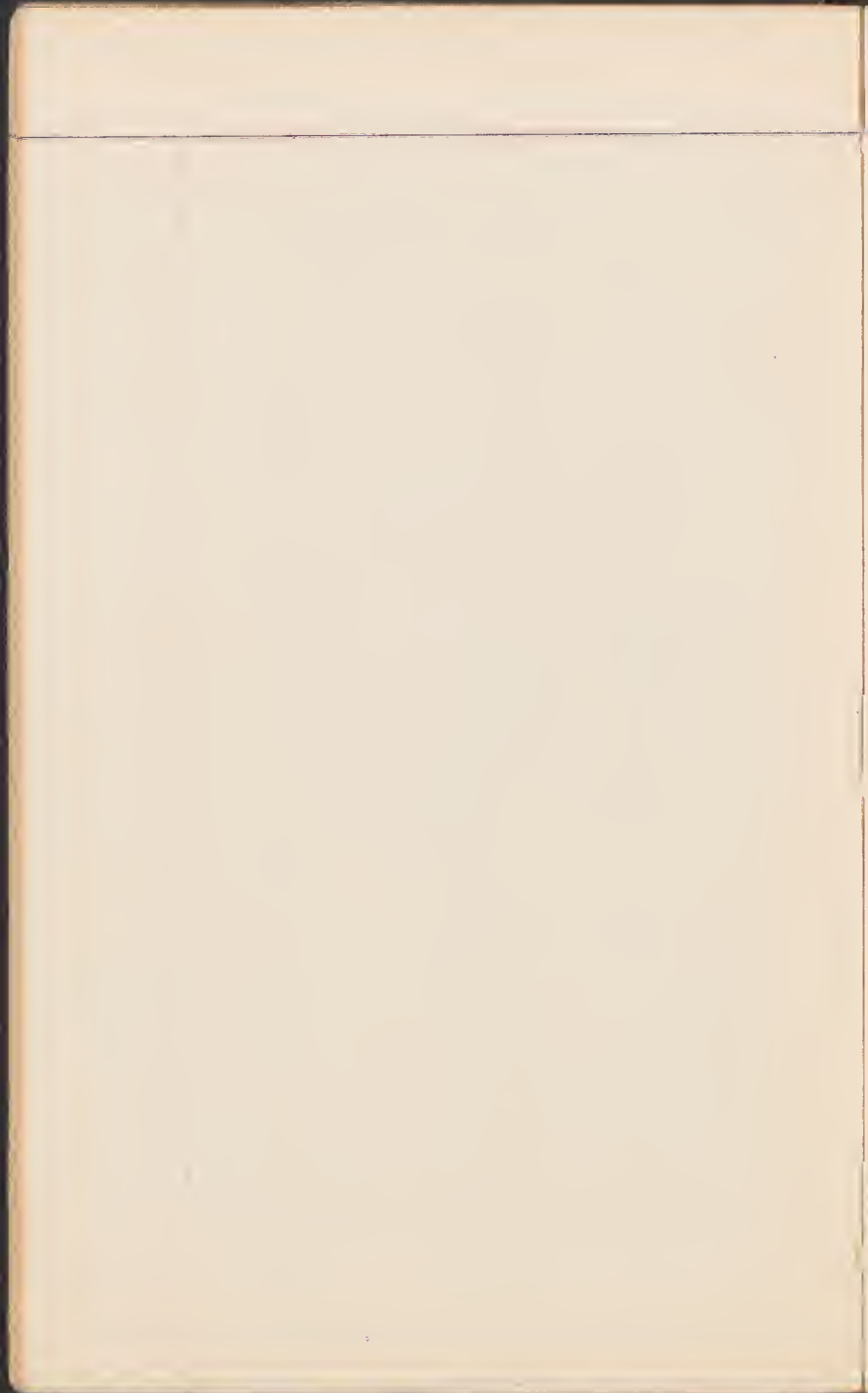
26.43

Error = $-.285$

Aug. 13	Lake, at head of Jocko river	10.30 am.	Therm. 67°	4,910 feet
" 14	Flathead Agency	6.15 am.	Therm. 56½°	3,560 "
		11.15 "	" 71°	3,620 "
" 15	Missionla	12 M.	" 67°	3,440 "
		6 P.M.	" 72°	3,500 "
" 16		7 am.	" 64°	3,360 "
" 17	Ridge above camp in Lolo canyon	5 P.M.	Therm. 73°	5,170 "
" 18	Same camp	7½ P.M.	" 60	3,450 "
" 19		6 am.	" 44	3,760 "
"	Warm Springs, Lolo cañon	8 P.M.	Therm. 61°	4,180 "
" 20		6 am.	" 34	4,180 "
	On creek over divide	10½ am.	" 67°	5,250 "
" 21	Snow Camp	6 am.	" 43½	6,220 "



Aug. 21	Peak near Trail	8.30 AM.	Therm. 64°	7,440 ft.
"	" Peak Camp	6 PM.	" 61/2	7,200 "
"	22	6 AM.	" 49 1/2	7,250 "
"	" Hillside Camp.	8.45 P.M.	" 44°	6,500 "
"	23	11. AM.	" 66°	6,510 "
"	24 Rain Camp	5 1/2 AM.	" 40°	6,250 "
"	25 Cedar Camp.	6 1/2 AM.	" 34°	3,600 "
"	" Fish Camp	6 PM.	" 56°	3,420 "
"	26	7 am.	" 50	3,340 "
"	27 Plateau	11 1/2 AM.	" 63 1/2	3,240 "
"	29 Indian Camp on Clear water	6 AM.	Therm. 52	1,120 "
"	" Plateau west of Potlatch Creek	12 m.	Therm 59 1/2	2,730 "



Aug. 30	Camp near Moscow	6 am.	Therm. $46\frac{1}{2}^{\circ}$	2,670 ft.
" 31	Delouse	6 am.	" $55\frac{1}{2}$	2,670 "
Sept. 1	Coplin's Ranch	6 am.	" 53°	2,530 "
" 2	Siskian Valley	$5\frac{1}{2}$ am.	" $59\frac{1}{2}$	2,260 "
" 3	Fort Coeur d'Alene	6 am.	" $54\frac{1}{2}$	2,240 "
" 6	Coeur d'Alene Creek Camp	6 am.	Therm. 46°	2,770 "
" "	Last crossing, base of ascent	3.45 pm.	Therm. 67°	3,750 "
" "	Summit	[4.45 pm.	" $73\frac{1}{2}$	4,440] "
		5 "	" "	5,000 "
" 8	Missoula Ferry	9 am.	" $63\frac{1}{2}$	2,760 "



