

Table XIV.

**REGISTER OF THE WESTERN RECONNAISSANCE PARTY FROM WINTER-  
QUARTERS, CAPE DENISON.**

(September 13th, 1912, to September 26th, 1912.) Recorder: *C. T. Madigan.*

September.

- 13th Travelling between  $5\frac{1}{2}$  miles S. (1,500 ft. elevation) and  $8\frac{1}{4}$  miles S. (1,715 ft.) of Winter Quarters. Clear and sunny. Wind blowing about 65 m.p.h. At 1:45 p.m. arrived at  $8\frac{1}{4}$  miles S. of Winter Quarters, where elevation of 1,715 ft. above sea level. Temperature at 1:45 p.m. was  $-14^{\circ}$  F.
- 14th Sledging due west over the plateau, arriving 14 m. out from W.Q. by noon. Clear and sunny. Wind about 25 m.p.h. until 11:30 p.m. when it rose to 50 m.p.h. and remained steady rest of day. Temperature at 7 a.m.,  $-17.8^{\circ}$  F. at elevation of about 1,800 ft.
- 15th At 8 a.m. temperature  $-23^{\circ}$  F. (elevation about 2,000 ft.); wind 75 m.p.h.; clear, no drift. Continuing sledging to the west. At noon, when  $22\frac{1}{4}$  miles from Winter Quarters, at elevation of about 2,500 ft., wind blowing from the S. at 70 m.p.h. Light surface drift commenced at 11 a.m. obscuring the horizon, but increased during afternoon when only possible to see 200 yards.
- 16th At 25 miles from the hut and about 2,700 ft. elevation, the temperature at 8 a.m. was  $-20^{\circ}$  F. There was light drift which, however, decreased and ceased at noon. Sledging to west.
- 17th 8:30 a.m. at  $31\frac{1}{2}$  miles from W.Q. and elevation of 3,089 ft., temperature  $-26^{\circ}$  F. Wind averaged about 55 m.p.h. during the day. Surface drift obscured horizon in the morning and light drift continued during whole day. Sledging to west.
- 18th At 8 a.m. temperature of  $-35^{\circ}$  F. at elevation of 3,300 ft., 41 miles from W.Q. Surface drift continued all day. Sledging to west.
- 19th 8 a.m. at 45 miles from W.Q. and elevation of 3,331 ft., temperature  $-24^{\circ}$  F. At 9 a.m. same camp, temperature  $-19.5^{\circ}$  F. Light surface drift this morning, clear at noon. Ci. and Ci.-St. cloud radiant from N.W. to S.E. Reached point 50 m. W. of W.Q.
- 20th Held up in camp at 50 miles from Q.W. Elevation 3,522 ft. Dense drift all day with wind about 80 m.p.h.
- 21st At the 50-mile camp. The temperature at 8 a.m.  $-17^{\circ}$  F. Wind about 60 m.p.h. Surface drift. Sky almost clear of cloud. Sunny. Return journey commenced.
- 22nd Sledging back to the east. Temperature at 6:30 a.m.,  $-13^{\circ}$  F. at elevation about 3,300 ft. Ci.-St. radiant, trending E. and W. Early in the morning A.-Cu. also, but cleared away later. At 3 p.m. temperature  $-4.2^{\circ}$  F. at elevation of 3,200 ft. Ci.-St. now very faintly seen.
- 23rd Temperature at 9 a.m.,  $11.2^{\circ}$  F. at elevation of 3,100 ft. A Ci.-St. radiant observed in western sky trending from the W. In the north St.-Cu. Sunny. No drift. Wind 65 m.p.h. At noon wind increased to 75 m.p.h. falling to 40 m.p.h. suddenly at sunset.
- 24th Temperature at 8:30 a.m. was  $-8.2^{\circ}$  F. (elevation about 2,800 ft.). Wind 35 m.p.h. but increased at noon to 70 m.p.h. and at 5 p.m. wind 40 m.p.h. Camped at 32 miles from the 50-mile depot. Elevation about 2,500 ft.
- 25th At 3 a.m. wind blowing a hurricane, about 85 m.p.h. Temperature at 8 a.m.  $-1^{\circ}$  F. (2,200 ft. elevation). At noon the wind 75 m.p.h. but calming during the afternoon to 50 m.p.h. and further to almost calm by 9 p.m. Arrived at Aladdin's Cave  $5\frac{1}{4}$  miles S. of W.Q. at sundown.
- 26th At Aladdin's Cave in morning, the sky clear and sunny. Calm but wind arose at noon. Completed journey to W.Q. by 3 p.m.

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After comparison of data secured on this journey with corresponding observations at W.Q., Cape Denison, Madigan reports that the temperatures recorded on the plateau at elevations of about 3,000 ft. average  $14^{\circ}$  below those of W.Q.