

Jan 1932

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DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE  
Zion----- NATIONAL PARK

FILE NO.

MONTHLY REPORT FOR JANUARY

1932

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STEPHEN T. MATHER,  
*Director.*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

ZION AND BRYCE CANYON NATIONAL PARKS

UTAH

OFFICE OF THE SUPERINTENDENT

P. O. ADDRESS:  
SPRINGDALE, UTAH

February 8, 1932

The Director  
National Park Service  
Washington D. C.

Dear Mr. Director:

The following is my report on operations and conditions in Zion and Bryce Canyon National Parks for the month of January, 1932.

010 General

Mr. Allen's appointment as superintendent of Hot Springs National Park and my appointment as superintendent of Zion and Bryce Canyon National Parks by transfer from Assistant Superintendent of Grand Canyon National Park were made effective January 16. I left Grand Canyon on January 27, arriving at Zion January 29. Mr. Allen left Zion for Washington D.C. on December 30. Associate Engineer Parker was acting superintendent in the interim of Mr. Allen's departure and my arrival.

020 General Weather Conditions

The winter has been unusual, with more snow and continuous cold weather than has been recorded for many years. There has been a blanket of snow on the ground since November 16, except on the floor of the valley at Zion. The snow at the east entrance reached a depth of three feet on the level by the end of January, and the depth at Bryce was approximately four feet. Weather reports for both Zion and Bryce Canyon National Parks are attached.

The Zion-Mount Carmel Highway was kept open at all times. Ice on the switchbacks below the tunnel has been quite bad at times and it has been necessary to burn waste oil on certain sections. Deep snow has blocked the trails to the east and west rims.

No effort has been made to keep the road at Bryce open.

## 100 Administration

### 121 Park Inspections by Superintendent

Frequent inspections were made by Mr. Parker of the east entrance road, particularly the tunnel portion. Shortly after my arrival I made inspection of the valley road and the river protection work and the east entrance road.

Ranger Cope has been assigned to continue at Bryce for the winter season. No inspection trips were made to Bryce on account of the approach and entrance roads being blocked.

The following is extracted from the monthly report of Chief Ranger Jolley:

"During the month I made two trips to Bryce; one on the fourth, and one on the eleventh. On the fourth I drove the Ford as far as Ruby's Inn, where I met Ranger Cope. The snow was then eighteen inches deep on the level.

"On the eleventh I met the Forest Supervisor, Mr. Riddle, and Ranger Heywood of the Powell National Forest, in Panguitch, and attended the forest and stockmen's annual meeting in Tropic. Ranger Cope was with me and we asked for a different route or driveway across the park for the stockmen of Tropic Canyon into the forest reserve in order to keep stock away from our trails, public auto camp and Utah Parks Lodge. Last season people were permitted to drive their stock up through Campbell's Canyon - part of the way over an expensive trail just completed by the Park Service - and as soon as the stock reached the top of the plateau they were in the public auto camp and were generally allowed to roam this and the Utah Parks area until the rangers drove them away. Until the Superintendent has had time to get acquainted with the situation, a temporary agreement was made with the stockmen that their livestock should be driven up Campbell's Canyon to the first right-hand fork, follow this fork or route to the next right-hand fork, which they will follow to the top. This route brings them out near Boat Mountain and away from the park headquarters area.

"Ranger Cope went over this route and informed me that no damage would be done to the park unless large herds were driven over it. I suggested in the meeting that not more than twelve head be taken through the drive at once, and all parties concerned agreed.

"Mr. Riddle and Mr. Heywood were very nice and both wish to assist and cooperate with the Park Service."

130 Finances and Accounts

		Total Appropriation	Expended to Date	Balance
- 41/2406	Forest Protection & Fire Prevention (Bryce) . . . . .	\$ 300.00	\$ 299.47	\$ .53
- 41/2406	Forest Protection & Fire Prevention (Zion). . . . .	650.00	461.25	188.75
41/2416	Bryce Canyon National Park, 1931-32 . . . . .	18,850.00	14,833.57	4,016.43
41/2435	Zion National Park, 1931-32 . . . . .	52,300.00	14,370.72	4,479.28
4x436.16	Roads & Trails, National Parks (Bryce). . . . .	45,290.17	36,009.17	16,290.83
4x436.35	Roads & Trails, National Parks (Zion) . . . . .	1,514,193.34	31,806.33	20,493.67
41436.1		365,752.98	25,872.22	19,417.85
			25,821.09	45,290.17
			371,727.77	10,188.01
			387,645.78	11,121.43
			1,503,071.91	
			365,252.98	

140 Labor Situation

There has been very little employment for the residents of southern Utah this winter, and practically none since the first of the year. State and county road projects have been closed down on account of severe weather conditions. An average force of twelve laborers has been employed at Zion. It is doubtful if there are any other men employed at gainful occupations in the immediate vicinity of the park.

170 Plans, Maps and Surveys

Engineer Davis of the Bureau of Public Roads continued with a crew to make cross section surveys of the portion of Mount Carmel Tunnel where it is proposed to do reinforcement work this coming season.

200 Maintenance, Improvements and New Construction

210 Maintenance

Prevailing winds and deep snow created a situation of drifting which necessitated considerable snow removal work; in many places removal by hand was necessary, making the work costly. Several rock slides necessitated the detail of a crew frequently to keep the entrance road cleared. The east approach road to Zion was kept open at all times except for occasions when it was blocked for several hours at a time due to drifting snow.

220 Improvements

The old horse corral of the park near the public campground in Zion was removed to a location near the barn. The ranger force located 2½ miles of telephone line on the east rim from the county line to the east park boundary line. The Dixie Power Company completed the removal of the electric line on the slope above and further away from the south entrance road.

### 230 New Construction

Construction work on the powder house was begun on January 15 and at the end of the month was ninety-five per cent complete.

### 260 Landscape Work

During the first part of the month the oil rig in the park near Grafton was moved outside the park and the grounds cleaned up. This rig was set up on a lease before the land became a part of the park.

### 300 Activities of Other Agencies in the Park

The citizens of Springdale resumed work on their pipeline through Oak Creek early in January. Previous to this time they had dug the trench for the pipeline from the springs in Oak Creek Canyon as far as the highway and had suspended work the latter part of November.

### 500 Use of Park Facilities by the Public

### 510 Increase or Decrease in Travel

In spite of unfavorable weather conditions, travel in Zion National Park increased slightly, there being a total of 982 visitors, compared to 864 for January, 1931.

### 600 Protection

### 650 Signs

An order of signs arrived during the month which we expect to erect as soon as weather conditions permit. Part of the signs are for roads and trails in Bryce, some to replace old hand painted signs, and some for new trails and roads.

Very truly yours,



P. P. Patraw  
Superintendent

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE  
ZION NATIONAL PARK, UTAH.

Travel report by states for travel season 1932 January 31, 1932.

State					Total for 1932		Total for 1932.	
	Cars	Pass.	Stage	Misc.	Cars	Pass.	Cars	Pass.
Arkansas	0	0	0	0	0	0	2	4
Arizona	79	222	0	0	79	222	131	345
California	505	1237	1	0	505	1238	794	1842
Colorado	33	88	0	0	33	88	51	138
Connecticut	4	10	4	0	4	14	0	1
District of Columbia	3	9	2	0	3	11	3	6
Delaware	1	2	2	0	1	4	0	0
Georgia	1	4	1	0	1	5	2	4
Idaho	28	68	0	3	28	71	36	99
Illinois	16	36	3	0	16	38	16	48
Indiana	2	3	0	0	2	3	1	1
Iowa	5	11	0	0	5	11	4	13
Kansas	8	28	0	0	8	28	10	29
Kentucky	0	0	0	0	0	0	1	2
Louisiana	1	3	0	0	1	3	1	3
Maine	2	5	0	0	2	5	2	5
Maryland	0	0	2	0	0	2	1	2
Massachusetts	2	5	1	0	2	6	1	12
Michigan	8	23	0	0	8	23	7	20
Minnesota	8	19	0	0	8	19	7	16
Missouri	3	6	0	0	3	6	12	27
Montana	19	43	4	0	19	47	25	59
Nebraska	4	8	0	0	4	8	5	18
Nevada	45	121	0	0	45	121	51	150
New Hampshire	0	0	1	0	0	1	0	0
New Jersey	4	12	1	0	4	13	5	23
New Mexico	3	6	0	0	3	6	6	13
New York	12	30	2	0	12	32	11	29
North Carolina	0	0	0	0	0	0	1	2
North Dakota	2	7	0	0	2	7	2	4
Ohio	9	21	3	0	9	24	36	127
Oklahoma	4	15	0	0	4	15	8	17
Oregon	15	44	0	0	15	44	13	27
Pennsylvania	6	15	1	1	6	17	7	24
Rhode Island	0	0	0	0	0	0	1	4
South Dakota	1	2	0	0	1	2	2	6
Tennessee	3	11	0	0	3	11	0	0
Texas	16	40	0	2	16	42	19	72
Utah	1101	3082	13	6	1101	3108	730	2219
Vermont	0	0	0	0	0	0	1	2
Virginia	1	5	6	0	1	11	3	11
Washington	21	60	0	0	21	60	14	39
West Virginia	1	4	0	0	1	4	0	0
Wyoming	12	28	0	0	12	28	29	75
Wisconsin	2	6	0	0	2	6	4	10



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

10-157  
(July, 1929)

TRAVEL REPORT

..... ZION National Park for the month of JANUARY 1932. ....

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
<u>PRIVATE TRANSPORTATION:</u>						
Cars first entry, . . . . .	300	1655	306	2063		
Cars reentry, . . . . .	47	338	0	0		
Motorcycles, . . . . .	0	1	0	2		
Total motor vehicles, . . . . .	347	1994	306	2065	71	3.53% De.
Persons entering via motor vehicles, . . . . .	976	5347	861	5535		
Persons entering via other private transportation, . . . . .	0	2	0	2		
Total persons entering via private transportation, . . . . .	976	5349	861	5537	188	3.39% De.
<u>OTHER TRANSPORTATION:</u>						
Persons entering via stages, . . . . .	0	48	1	21		
Persons entering via trains, . . . . .						
Persons entering otherwise, . . . . .	6	13	2	10	31	96.7% In.
Total other transportation, . . . . .	982	5410	864	5568	159	2.85% De.
GRAND TOTAL ALL VISITORS, . . . . .						

	This Year	Last Year	Increase	
			Number	Percent
Automobiles in public camps during month, . . . . .				
Campers in public camps during month, . . . . .			No Campers.	

WEATHER REPORT FOR THE MONTH OF JANUARY 1932.  
At Zion National Park, Utah.

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TEMPERATURE:

Mean Maximum . . . . . 43 plus.  
Mean Minimum . . . . . 21 plus.  
Mean . . . . . 32.  
Maximum . . . . . 57 on 25th.  
Minimum . . . . . 6 on 29th.

PRECIPITATION:

Total . . . . . .22 inches.  
Greatest in 24 hours . . . . . .08 on 3 rd.

NUMBER OF DAYS-

With .01 or more precipitation . . . . . 14  
Clear 9, Cloudy 16, Partly cloudy 6.

Arden G. Schiefer,  
Cooperative Observer.

BRYCE CANYON NATIONAL PARK, UTAH

Weather Report for

January, 1932.

Date	Maximum	Minimum	Remarks
1	28	-2	Partly cloudy, warm.
2	30	-8	Cloudy, light snowfall, 3".
3	26	-2	Partly cloudy, cold north wind.
4	24	4	Clear, strong cold north wind.
5	22	8	Clear, strong north wind, drifting.
6	30	12	Partly cloudy, strong cold north wind all day.
7	32	12	Clear, north wind, cold but not so strong.
8	36	6	Clear, warm.
9	40	8	Clear, warm.
10	28	8	Cold north wind, drifting snow.
11	38	10	Warm, clear.
12	18	-1	Worst blizzard in years, 8" snow.
13	14	-3	Morning clear, snow all afternoon, snow from southeast.
14	20	0	Partly cloudy.
15	16	1	Stormy all day, 8½" snow.
16	30	4	Clear, warmer.
17	38	5	Clear, warm.
18	48	4	Clear, warm.
19	40	6	Clear, warm.
20	32	0	Cloudy, blustery.
21	25	-10	Blustery, cold north wind.
22	24	-6	Clear, cold.
23	22	-10	Clear, cold, strong north wind.
24	56	4	Clear, cold.
25	30	-4	Partly cloudy, slight north wind.
26	38	-2	Slightly cloudy, cold.
27	30	-6	Blustery, blizzard at 4PM, 1½" snow.
28	22	-16	Clear, cold with north wind.
29	28	14	Clear, north wind.
30	46	16	partly cloudy but warmer.
31	40	24	Cloudy but very little snow.

10-159  
 (May, 1931)

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Zion-Bryce National Park for the Month of January, 1932

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
Number of employees beginning of month	8	19	8	8
Number of additions	1	2	1	10
Total	9	21	9	18
Number of separations	1	5	1	13
Number of employees close of month	8	16	8	5
Number of promotions during month	0		1	
Aggregate amount of annual leave taken	$\frac{1}{2}$		0	
Aggregate amount of sick leave taken	0		0	
Aggregate amount of leave without pay	0		0	

Zion-Bryce Canyon

January, 1932

			XXXXXXXX	XXXXXXXX	XXXXXXXX
			XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXX
			XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX
Zion	:	:	:	:	:
407 Employees quarters	:	00	:	:	:
408 Comfort station	:	100	:	:	:
409 Woodshed-garage	:	100	:	:	:
410 Powder house	:	35	:	:	:
484 Water system, West Rim	:	100	:	:	Average number
485 Extension water system	:	100	:	:	of men employed
486 Extension sewer system	:	50	:	:	<u>1.26</u>
487 Campground development	:	95	:	:	
488 Improving grounds, Adm area	:	60	:	:	
502.1 Misc. trail const.	:	95	:	:	
504.4 Post construction	:	85	:	:	Average number
504.5 Road protection	:	90	:	:	of men employed
504.6 Roadside cleanup	:	90	:	:	<u>2.14</u>
Bryce	:	:	:	:	:
410 Dormitory	:	95	:	:	
411 Messhouse	:	95	:	:	Average number
412 Employees quarters	:	95	:	:	of men employed
484 Campground development	:	75	:	:	<u>0.0</u>
501 Trails	:	100	:	:	Average number
	:		:	:	of men employed
	:		:	:	<u>0.0</u>

## DEPARTMENT OF THE INTERIOR

## NATIONAL PARK SERVICE

## REPORT OF PARK REVENUES

~~Zion-Bryce~~ National Park for the Month of ~~January~~, 1932

	This Year	Last Year
Park revenue on hand beginning of month, . . . . .	None	None
Received, . . . . .	<u>None</u>	<u>None</u>
Total, . . . . .	None	None
Remitted, . . . . .	<u>None</u>	<u>None</u>
On hand close of month, . . . . .	<u>None</u>	<u>None</u>
Park revenues received this year to date, . . . . .		9,971
Park revenues received last year to date, . . . . .		10,554
Increase, . . . . .		<u>583</u>
Per cent of increase, . . . . .		<u>5.5</u>

STATUS OF AUTHORIZED PROJECTS

Zion-Bryce

January, 1932

Zion

407	Employees quarters	00			June 30 1932
408	Comfort station	100			
409	Woodshed-garage	100			
410	Powder house	95	95		June 30 1932
484	Water system, West Rim	100			
485	Extension water system	100			
486	Extension sewer system	50			June 30 1932
487	Campground development	95			June 30 1932
488	Improving grounds, Adm area	60			June 30 1932
502.1	Misc. trail const.	95			June 30 1932
504.4	Post construction	85			June 30 1932
504.5	Road protection	90			June 30 1932
504.6	Roadside cleanup	90	15	40	June 30 1932

Bryce

410	Dormitory	95			June 30 1932
411	Messhouse	95			June 30 1932
412	Employees quarters	95			June 30 1932
484	Campground development	75			June 30 1932
501	Trails	100		5	