

Dec 1932
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weather report

ZION - BRYCE
Superintendent's
Monthly Reports
1932

10-23

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

Zion-Bryce NATIONAL PARK

FILE NO. 20640.2

MONTHLY REPORT FOR DECEMBER, 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

January 9, 1933

The Director
National Park Service
Washington D. C.

Dear Mr. Director:

The following is my report of activities in Zion and Bryce Canyon National Parks for the month of December, 1932:

000 General.

The heaviest snow so far this winter fell on the 24th and gave a beautiful white Christmas. Zion Canyon under a mantle of white is unusually inspiring.

So far we have suffered lightly from the "flu" which has been so prevalent this winter throughout the west and has caused several deaths in Cedar City. The ravages of the "flu bug" is now on the wane in this region.

Many of the employees are taking advantage of the quiet season to take vacations under legislative furlough.

020 General Weather Conditions.

The weather this month has been typical winter weather for this locality with snow in sight nearly all month. On the night of the 24th we had the heaviest snowfall of the month, with six inches of new snow both at the East Entrance and the Temple of Sinawava, with numerous other snowstorms during the month. The coldest day of the month was the thirteenth, one above zero. The warmest day of the month was the fourth, sixty-three degrees. The mean for the month, 34.3 degrees, is six degrees below the all-time average mean of 40.3 degrees for the month of December. The total precipitation for the month was 0.20 inches.

Sub-zero temperatures were the rule at Bryce throughout the month.

100 Administrative.

120 Park Inspections.

121 By Superintendent. I returned from furlough on December 1. On the 2nd I made a final inspection of the surfacing of the Valley Road. On the 7th

I went to Cedar City to see Utah Parks Company officials, and to ^{meet} Jack Thornberg for a discussion of possible establishment of an air service in connection with Zion and Bryce Canyon National Parks. On the 21st I met with Reid Gardner, Manager of Southern Utah Power Company at Zion and scouted out the possibilities of a power line location through the park by way of the East Rim Road.

Assistant Superintendent Parker attended a fish and game meeting called by the Utah Agricultural College at Logan on December 2-3, and read a paper on the "Game Management Problems of the southern Utah parks."

140 Labor Situation.

All temporary employees were laid off on the 8th except one laborer employed to do garbage hauling, janitor and road maintenance work. Except for the few local men being employed by Reynolds-Ely Construction Company in the tunnel, there is no work in sight for local labor until such spring work as we will have to do is begun.

150 Equipment and Supplies.

Two Ford V-8 pickups, coupe body, were purchased and delivered from the Cedar City Ford dealer and two old trucks traded in, the net price of the two new trucks being \$964 after deducting the trade-in allowance of \$460 on the old ones.

170 Plans, Maps and Surveys.

The Zion and Bryce revised development outlines and programs were completed and forwarded on December 8. A development plan of planting the South Entrance Area was received from the Chief Landscape Architect.

200 Maintenance, Improvements and New Construction.

210 Maintenance.

Mr. Jesse Gifford sawed and ricked twenty-one cords of campground wood hauled from Bryce for the campground in Zion. Park saddles and riding gear were repaired and oiled during the month for the coming season.

The roads were plowed clear of snow once. Other maintenance work required was in keeping the road and ditches clear of rocks, dirt and gravel rattling down from the cut banks, garbage disposal and shop work to place all rolling equipment in shape for the winter. The temporary crew was laid off on the 8th.

230 New Construction.

Post Construction. On the 6th the log riprapping was completed at the place near the Temple of Sinawava where the last flood threatened to take out the road. Small cut stones were placed on the shoulder edge at each side of culvert intakes on the Valley Road. Now that the gutters are surfaced this precaution of marking the heads of culverts is necessary to prevent accidents.

Surfacing, Floor of the Valley Road. Work was completed on December 1. An excellent job has been obtained. There seems to be an excess amount of pea gravel in the seal coating but it is expected that when warm weather comes the traffic will pound the excess into the surfacing.

Supplemental Construction, East Rim Road. All work in connection with the line change outside the tunnel west portal was completed except for ditching along the second level. The reinforced concrete arch below gallery 6 is completed except for a small gap through which the material for packing the cavity above will be passed. The placing of packing material was begun. The work to complete the job consists of completing the backfilling of the cavity, several reinforced concrete rings between timber sets above gallery 1 and below gallery 6 where heavy ground has developed, relaying the concrete floor where the cave-in took place below gallery 6, replacing several 8"x8" timber sets with 12"x12" timbers above gallery 3, and completing the guniting of concrete work which has been installed since the gunite crew last operated. In order to protect fresh concrete from freezing temperatures it has been necessary to erect canvas baffles at the west portal and below gallery 1 and to keep fires burning within the inclosed section.

There are several other places in the old timbered sections showing signs of movement, and these are being closely watched.

Grading and Base Surfacing, Section B1, Bryce Rim Road. The Union Construction Company, contractor, was forced to suspend work for the winter on December 1 on account of weather conditions. All work was completed at that time except for placing a comparatively small amount of base surfacing.

Equipment Shed. The low bidders, Anderson and Excell Brothers, were unsuccessful in obtaining surety bond, and recommendation has been made that the contract be approved with waiver of bond requirements under condition of no progress payments being made. Under this arrangement they were permitted to start getting out the cut stone at their own risk. The preparation of the site, which was not a part of the contract, was completed by force account on December 8.

300 Activities of Other Agencies in the Park.

310 Public Service Contractors.

It was with much disappointment that I first learned through Mr. Wells that the Budget Bureau had deleted the South Entrance water and sewer system construction items from Zion's 1934 appropriation estimates. The Union Pacific

was just about ready to go on construction of a housekeeping camp in the South Entrance area - that is to say, they had definitely decided to undertake the project and were then preparing plans. The failure to get the water and sewer items through in our construction program automatically rules the Union Pacific construction out, and the park must await at least another year for this very necessary development.

400 Flora, Fauna and Natural Phenomena.

410 Ranger, Naturalist and Guide Service.

Regular inspection was made during the month by the Chief Ranger of the Mount Carmel Highway, the auto camp and the Floor of the Valley Road, until the 17th when he and his family left the park on their annual vacation. Ranger Russell reported for duty on the 7th after taking part of his annual vacation. Ranger Schiefer was on sick leave with influenza from the 8th until noon of the 17th. The usual patrol was carried on during the Chief Ranger's absence.

470 Animals.

During round-up of cattle owned by Mr. DeMille of Rockville and ranging near the park, it was discovered that a young female mountain sheep was ranging with the cattle. When the cattle were herded to Rockville the sheep stayed with the band. DeMille roped it and turned it over to the park. For a short time we are keeping it in a pen in the corral in order to get it accustomed to feeding at this place and we hope that when it is released later it will have become partly domesticated and accustomed to ranging in the vicinity. It is already so tame that it will feed out of the hand. A photograph is attached.

A very large porcupine has been seen on numerous occasions at the south entrance. His abode for the present seems to be a nearby culvert.

Most of the deer have left the upper canyon area and are now seen to be foraging in Oak Creek Canyon and around the south entrance.

500 Use of Park Facilities by the Public.

510 Increase in Travel.

Travel to Zion was very light; however, the total of 808 visitors is an increase over December, 1931. At this time of the year most of the travel is local, that is, from Utah. Visiting cars came from twelve states. Complete travel reports are attached.

600 Protection.

630 Accidents.

On December 5 Mr. Whitney, Superintendent of Reynolds-Ely Construction Company, reported that while working on a scaffold in the tunnel, the scaffold shifted, hurling Gilbert Campbell of Tropic, Utah, to the pavement. Mr.

Campbell's arm and leg were bruised some, and he was given medical attention.

On December 22nd an automobile accident occurred at the south entrance to Zion National Park between Stephen Jennings driving a B. P. R. car and Jeff Button of Circleville, Utah, employed by Reynolds-Ely Construction Company, driving a company car. Mr. Button was the only one to receive injuries and he was given prompt medical attention. He was quite badly shaken and bruised, also received quite a laceration on his forehead, but was not seriously injured.

900 Miscellaneous.

The Superintendent has been made a member of the Associated Civic Clubs of Southern Utah and appointed on the Tourist Committee.

The town of Kanab has voted to sell its municipally operated power plant to a commercial operator and the Southern Utah Power Company proposes to submit a bid provided a right-of-way for a high tension transmission line carrying energy from their hydro-electric plants can be obtained through the park. Studies are now being made by the Company to determine practicable routes. The only alternatives to a right-of-way through the park are by way of the old Pipe Springs road, which is an added distance of some 50 miles, or possibly Bear Valley north of Cedar City. The Southern Utah Power Company has been desirous for several years of running their electric service to the towns in Long Valley, Kanab, Fanguitch, etc., each of which towns is now supplied through its own respective local plant.

Very truly yours,

P. P. Patraw
Superintendent



Ready for a White Christmas
East Entrance, Zion National Park

A new pet and mascot for
Zion National Park
The mountain sheep is the one referred to.

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

Travel report by states for the season to date December 31, 1932 and 1931.

States	Total 1932				Total 1931			
	Cars	Pass.	Stage	Misc.	Cars	Pass.	Cars	Pass.
Arizona	55	187	0	0	55	187	67	173
Arkansas	1	1	0	0	1	1	0	0
California	331	829	0	0	331	829	487	1192
Colorado	15	35	0	0	15	35	32	81
Connecticut	1	2	0	0	1	2	4	14
Deleware	0	0	0	0	0	0	1	4
Dist Columbia	2	4	0	0	2	4	3	11
Georgia	0	0	0	0	0	0	1	5
Idaho	20	55	0	3	20	58	26	65
Illinois	7	13	0	0	7	13	16	38
Indiana	0	0	0	0	0	0	2	3
Iowa	5	10	0	0	5	10	5	11
Kansas	2	6	0	0	2	6	8	28
Kentucky	2	5	0	0	2	5	0	0
Louisiana	0	0	0	0	0	0	1	3
Maine	0	0	0	0	0	0	2	5
Maryland	0	0	0	0	0	0	0	2
Massachusetts	2	4	0	0	2	4	2	6
Michigan	4	9	0	0	4	9	8	23
Minnesota	6	14	0	0	6	14	8	19
Missouri	3	8	0	1	3	9	3	6
Montana	18	44	0	0	18	44	17	44
Nebraska	2	5	0	0	2	5	4	8
Nevada	27	95	0	0	27	95	42	115
New Hampshire	0	0	0	0	0	0	0	1
New Jersey	4	12	0	0	4	12	4	13
New Mexico	3	9	0	0	3	9	3	6
New York	12	34	0	0	12	34	12	32
North Dakota	1	2	0	0	1	2	2	7
Ohio	3	5	1	0	3	6	8	22
Oklahoma	0	0	0	0	0	0	4	15
Oregon	4	9	0	0	4	9	15	44
Pennsylvania	3	8	0	0	3	8	6	17
South Dakota	1	2	0	0	1	2	1	2
Tennessee	0	0	0	0	0	0	3	11
Texas	6	10	0	1	6	11	16	42
Utah	630	1818	0	2	630	1820	794	2241
Vermont	1	2	0	0	1	2	0	0
Virginia	2	5	0	0	2	5	1	11
Washington	22	56	0	0	22	56	21	60
West Virginia	0	0	0	0	0	0	1	4
Wisconsin	6	15	0	0	6	15	2	6
Wyoming	7	15	0	0	7	15	11	25
Canada	0	0	0	0	0	0	1	2
Canal Zone	0	0	0	0	0	0	1	2
Central America	1	2	0	0	1	2	0	0
Hawaii	1	2	0	0	1	2	1	6
India	1	3	0	0	1	3	0	0
Mexico	0	0	0	0	0	0	1	3
TOTALS	1211	3335	1	7	1211	3343	1647	4428

10-157
(July, 1929)

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

TRAVEL REPORT

ZION

National Park for the month of DECEMBER 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,	200	741	200	1355	614	45.31	Dec
Cars reentry,	121	470	91	291	179	33.08	Inc
Motorcycles,				1			
Total motor vehicles,	321	1211	291	1647	436	26.47	Dec
Persons entering via motor vehicles,	807	3335	750	4371	936	21.41	Dec
Persons entering via other private transportation,				2			
Total persons entering via private transportation,	807	3335	750	4373	938	21.41	Dec
<u>OTHER TRANSPORTATION:</u>							
Persons entering via stages,		1		48	47	98	Dec
Persons entering via trains,							
Persons entering otherwise,	1	7		7			
Total other transportation,	1	8		55	47	98	Dec
GRAND TOTAL ALL VISITORS,	808	3343	750	4428	1085	24.5	Dec

Local travel 177 cars and 442 passengers.

	This Year	Last Year	Increase	
			Number	Percent
Automobiles in public camps during month,	none	none		
Campers in public camps during month,				

WEATHER REPORT
ZION NATIONAL PARK UTAH.

Mean Maximum	46.3		
Mean Minimum	22.3		
Mean	34.3		
Maximum	63;	date	4th
Minimum	1	date	13th

PRECIPITATION.

Total20		inches.
Greatest in 24 hours07	date	12th

NUMBER OF DAYS-

With .01 inch or more precipitation... 5,
clear, 11; partly cloudy, 2 ; cloudy, 18

Harold Russell
Cooperative observer.

BRYCE CANYON NATIONAL PARK
WEATHER REPORT
FOR THE MONTH OF DECEMBER 1932.

TEMPERATURE:

Mean Maximum	29.
Mean Minimum	1.6
Mean	15.3
Maximum	48. On the 3rd.
Minimum	20 below on the 12th.

PRECIPITATION:

Beginning of month	3 inches of snow
Snowfall during month	18 inches
Greatest in 24 hours	10 inches on the 9th.
Amount of snow December 31	12 inches

WEATHER:

Days Clear	16
Days Partly cloudy	4
Days Cloudy	11

Amount of snow fall since November 30	21 inches.
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MAURICE COPE
Observer.

10-159
(May, 1931)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Zion-Bryce Canyon National Park for the Month of December, 1932

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
Number of employees beginning of month	12	18	11	81
Number of additions.....	00	2	00	25
Total.....	12	20	11	104
Number of separations.....	00	19	2	86
Number of employees close of month.....	12	1	9	16
Number of promotions during month.....	0		0	
Aggregate amount of furlough taken	56		0	
Aggregate amount of annual leave taken	00		14	
Aggregate amount of sick leave taken.....	10		00	
Aggregate amount of leave without pay..	3		00	

No separations due to retirement or reduced appropriations.

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Zion-Bryce Canyon..... National Park for the Month ofDecember, 1932.....

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date of Completion
<u>Zion</u>				
412 Equipment shed	40	40		6-30-33
489 Landscaping	95			6-30-33
504.4 Post construction	85	5	5	6-30-33
<u>Bryce</u>				
413 Employees quarters	95			6-30-33
414 Information office	95			6-30-33