

Nov. 1932

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weather report

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

FILE NO.

MONTHLY REPORT FOR NOVEMBER, 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

December 9, 1932

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 November, 1932:

000 General

020 General weather conditions

The weather for the month has been generally warm, with only one day below 30 degrees in Zion. Slight precipitation came on the last day of the month. The coolest day was 29 degrees above zero on the 15th. The warmest day was the first with a maximum temperature of 74 degrees. The average temperature for the month was 52.83.

While the rain fell in Zion, about five inches of snow fell in Bryce Canyon National Park. The coolest day in Bryce was four degrees above zero, on the 10th, and the warmest day 56 on the 22nd and 23rd, with an average temperature through the month of 30.7.

There are green leaves on the cottonwood and wild grape vines at Zion.

100 Administrative

120 Park Inspections

121 By Superintendents. On November 5 I went to Bryce Canyon National Park with Assistant Landscape Architect Langley to inspect construction work in progress on the Rim Road, employee's cabin and the office building, returning to Zion the same day. On the 9th I met Senator and Mrs. Burton K. Wheeler at Mt. Carmel Junction and drove them over the Mt. Carmel road to Zion and over the valley road. Senator and Mrs. Wheeler were our house guests over night and departed on the 10th for the South Rim of Grand Canyon by way of Hoover Dam. I departed on the 12th on

furlough for the remainder of the month, visiting at Grand Canyon for three days en route to Stockton, California. I went to San Francisco and visited the Field Headquarters on the 26th. During my absence from the park, Assistant Superintendent Parker was Acting Superintendent. Frequent inspections were made of contract work on surfacing the Valley Road and supplemental construction on the East Rim Road.

123 By National Park Service Officers. Assistant Landscape Architect Langley returned to Zion from Arizona on the 3rd, accompanied me to Bryce on the 5th, made one more inspection of the Bryce Rim Road, and departed for Grand Canyon on the 18th.

124 By Other Interior Department Officers. District Engineer A. B. Purton, U. S. G. S., Salt Lake City, visited Zion on the 2nd to install a new river gauge to replace the one taken out by the flood of August 27.

140 Labor Situation

An average crew of 20 men has been employed during the month in Zion on park day labor work. The contractors on Zion Bureau projects have employed an average crew of about 30 local men.

170 Plans, Maps and Surveys

A survey has been made of the North Entrance Road at Bryce. The Bureau project just completed began near the campground, and this left a section of 1.8 miles between this point and the north boundary. This has been surveyed by park engineers, and all field work, alignment map, profiles and cross sections are plotted.

The development outlines for both Zion and Bryce Canyon National Parks have been completed.

All future building sites shown on the development plans in both Zion and Bryce have been cross sectioned for future estimates, and a new location for the storage tanks on the proposed Oak Creek water system has been selected.

200 Maintenance, Improvements and New Construction

210 Maintenance

Considerable surface patching has been done on the tunnel road, section 1A from the Virgin River Bridge to the west portal of the tunnel. The surfacing of this section was in very bad condition, and it was thought best to patch it while the Floor of the Valley surface job was in progress, as it was possible to get surfacing material at a reasonable figure.

220 Improvements

That portion of the bridle path on the floor of the valley which was destroyed by flood in the fall was relocated near the road. While this work is of a temporary nature, the new location must be used until such time as the river is controlled through this area.

230 New Construction

Excellent progress was made by Reynolds-Ely Construction Company on surfacing the Valley Road. At the close of November all work was completed except for a small amount of seal-coat surfacing. We have apparently been given an excellent job; in appearances at least the Valley Road is one in which we can take much pride.

The supplemental construction work on the East Rim Road is progressing satisfactorily. All excavation is completed for the line changes outside the west portal of the tunnel. Inside the tunnel all concrete reinforcing work is completed except for a small amount immediately above gallery No. 1 and the concrete monolithic floor and arch below gallery 6 where the cave-in occurred. An extra work order has been approved for the work in the latter place, involving a monolithic floor and arch section of about 150 feet in length, and a sand fill of about 550 cubic yards above the arch in the void created by the cave-in. The filling material will be taken from the cut banks immediately below the last switchback, where we have had considerable maintenance difficulties in the past. The borrowing of material from this place will be a distinct benefit to the road.

Excellent progress was made by Union Construction Company on grading and base surfacing section El, Bryce Rim Road. The grading is completed and nearly all base surfacing was laid when a six-inch snowfall on November 30 suspended operations for the time being.

Road contractors in both parks have had good breaks in the weather. Ordinarily it is to be expected that snow storms will interrupt all outside road work by the middle of November.

The administration building at Bryce is 95 per cent complete, and will not be completed until next spring.

Invitations for bids on Zion equipment shed were sent to local contractors and bids were opened on the 25th of the month. The lowest bid was by Excell Brothers and Anderson of Springdale, Utah, in amount of \$1,347.35.

Two hundred and seventy-five lineal feet of log riprapping was constructed along the Floor of the Valley Road a half mile below the Temple of Sinawava. Heavy floods during August had washed out a large portion of this road, and it was necessary to do this work at this time to insure safety during the spring runoff.

300 Activities of Other Agencies in the Park

313 Schedule of Rates

The Superintendent of the Utah Parks Company requested that he might be allowed further time before submitting rates for the lodges at Zion and Bryce for 1933 season. He will submit these rates after the operator's conference sometime in December.

400 Flora, Fauna and Natural Phenomena

410 Ranger Service

The ranger forces in both Zion and Bryce Canyon National Parks have been working on repairing and replacing and installing new signs in both parks. Two rangers surveyed and placed boundary signs along two miles of park boundary in Zion.

470 Animals

Deer are numerous in Zion Canyon and may be seen most any time along the highway. A herd of from 8 to 15 has been seen, largely in the fields on the opposite side of the river from Oak Creek. One ringtail cat was seen near the chief ranger's house, and several species of birds are yet in the park, Steller Bluejay being most predominant. One owl has been seen in the headquarters area.

500 Use of Park Facilities by the Public

530 Visitors

Senator and Mrs. Burton K. Wheeler of Montana arrived at Bryce Canyon National Park on the evening of November 8, stopping over night at Ruby's Inn. They viewed Bryce Canyon from Inspiration and Sunset Points the following morning and then came to Zion where they were driven in the open car over the Zion-Mt. Carmel Highway and over the Valley Road, and walked up to the Narrows. After stopping over night as guests in the superintendent's residence, they departed on the 10th for Hoover Dam, Kingman and Grand Canyon.

Very truly yours,

P. P. Patraw
Superintendent

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

Travel report for the year ending Nov., 30, 1932 and 1931 by states.

States	Total 1932				Total 1931			
	Cars	Pass.	Stage	Misc.	Cars	Pass.		
Arizona	39	145			39	145	60	151
Arkansas	1	1			1	1	0	0
California	306	764			306	764	470	1143
Colorado	12	27			12	27	31	79
Connecticut	1	2			1	2	4	14
Delaware								2
District of Columbia	2	4			2	4	3	11
Idaho	17	49		2	17	49	25	63
Georgia							1	5
Illinois	7	13			7	13	14	34
Indiana							2	3
Iowa	5	10			5	10	5	11
Kansas	2	6			2	6	7	23
Kentucky	1	3			1	3		
Louisiana							1	3
Maine							1	2
Maryland								2
Massachusetts	2	4			2	4	2	6
Michigan	3	7			3	7	8	23
Minnesota	6	14			6	14	8	19
Missouri	2	6		1	2	7	3	6
Montana	16	38			16	38	13	35
Nebraska	2	5			2	5	4	8
Nevada	21	76			21	76	36	101
New Hampshire								1
New Jersey	4	12			4	12	3	11
New Mexico	3	9			3	9	3	6
New York	12	34			12	34	12	32
No. Dakota	1	2			1	2	2	7
Ohio	3	5	1		3	6	8	22
Oklahoma							4	15
Oregon	3	7			3	7	15	44
Pennsylvania	3	8			3	8	6	17
So. Dakota	1	2			1	2	1	2
Tennessee							3	11
Texas	6	10		1	6	11	16	42
Utah	372	1179		2	372	1181	557	1608
Vermont	1	2			1	2	0	0
Virginia	2	5			2	5	1	11
Washington	18	44			18	44	19	57
West Virginia							1	4
Wisconsin	6	15			6	15	2	6
Wyoming	7	15			7	15	11	25
Canada							1	2
Canal Zone							1	2
Central America	1	2			1	2	0	0
Hawaii	1	2			1	2	1	6
India	1	3			1	3	0	0
Mexico							1	3
Totals	890	2528	1	6	890	2535	1366	3678

10-157
(July, 1929)

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

TRAVEL REPORT

ZION

National Park for the month of NOVEMBER 1932.

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent

PRIVATE TRANSPORTATION:

Cars first entry,	158	541	400	1155	614	-53.17
Cars reentry,	243	349	81	210	139	68.19
Motorcycles,				1		
Total motor vehicles,	<u>401</u>	<u>890</u>	<u>481</u>	<u>1366</u>	<u>476</u>	<u>-34.84</u>

Persons entering via motor vehicles,	1138	2528	1232	3621	1093	-30.18
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Persons entering via other private transportation,				2		
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Total persons entering via private transportation,	<u>1138</u>	<u>2528</u>	<u>1232</u>	<u>3623</u>	<u>1095</u>	<u>-30.18</u>
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OTHER TRANSPORTATION:

Persons entering via stages,		1		48	47	-97.9
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Persons entering via trains,						
--	--	--	--	--	--	--

Persons entering otherwise,	<u>3</u>	<u>6</u>	<u>1</u>	<u>7</u>	<u>1</u>	<u>-14.28</u>
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Total other transportation,	<u>3</u>	<u>7</u>	<u>1</u>	<u>55</u>	<u>48</u>	<u>-87.27</u>
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GRAND TOTAL ALL VISITORS,	<u>1141</u>	<u>2535</u>	<u>1233</u>	<u>3678</u>	<u>1143</u>	<u>-31.07</u>
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Local travel 187 automobiles carrying 311 passengers.

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,				
Campers in public camps during month,	8	13	5	-38.67
	17	26	9	-34.61

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

Weather report for the month of Nov., 1932.

TEMPERATURE:

Mean Maximum 68.33
Mean Minimum 37.33
Mean 52.83
Maximum 74 on the 1st and 29 th.
Minimum 29 on the 15th.

PRECIPITATION:

Greatest in 24 hrs. trace.
With .01 or more precipitation none.

NUMBER OF DAYS:

Clear 21 days.
Partly cloudy 5 days.
Cloudy 4 days.

A.G. Schiefer,
Observer.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

BRUCE CANYON NATIONAL PARK , UTAH. WEATHER REPORT.

NOVEMBER 1932.

TEMPERATURE:

Mean Maximum	-----	45
Mean Minimum	-----	16.3
Mean	-----	30.7
Maximum	-----	56 on 22-23.
Minimum	-----	4 on 10th

PRECIPITATION:

Three inches of snow on 30th.

WEATHER

Clear days	22
Partly cloudy	5
Cloudy	3

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 November, 1932.

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
Number of employees beginning of month	13	13	11	81
Number of additions	00	18	00	23
Total	13	31	11	104
Number of separations	1	13	2	86
Number of employees close of month	12	18	9	18
Number of promotions during month	0		0	
Aggregate amount of furlough taken	26			
Aggregate amount of annual leave taken	00		14	
Aggregate amount of sick leave taken	00		00	
Aggregate amount of leave without pay	00		00	

No separations due to retirement or reduced appropriations.

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

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

	This Year	Last Year
Park revenue on hand beginning of month,	295.00	743.00
Received,	--	--
Total,	295.00	743.00
Remitted,	295.00	743.00
On hand close of month,	--	--
Park revenues received this year to date,		8,206.00
Park revenues received last year to date,		9,196.00
Increase Decrease		990.00
Per cent of increase decrease		10.7

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF SALES OF PUBLICATIONS

Zion-Bryce Canyon National Parks, Utah

	Number	Value
<u>GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month,	131	131.00
Received during month,	---	---
Total,	131	131.00
Sold during month,	---	---
On hand at close of month,	131	131.00

NON-GOVERNMENT PUBLICATIONS:

On hand beginning of month,		
Received during month,		
Total,		
Sold during month,		
On hand at close of month,		

Cash on hand beginning of month,	2.00
Sales during month,	---
Total,	2.00
Remitted during month,	2.00
Balance,	---

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Zion-Bryce Canyon National Park for the Month of November, 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	00			6-30-33
489 Landscaping	95			6-30-33
504.4 Post construction	80	5	15	6-30-33
504.5 Basket dams	100		10	
504.6 Roadside cleanup	100			
<u>Bryce</u>				
413 Employees quarters	95	5	50	6-30-33
414 Information office	95	5	65	6-30-33