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DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

----- ~~Zioner~~ ----- NATIONAL PARK

FILE NO.

MONTHLY REPORT FOR OCTOBER

1931

IMPORTANT

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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

November 3, 1931

The Director
National Park Service
Washington D. C.

Dear Mr. Director:

The monthly report of activities and operations in Zion and Bryce Canyon National Parks during the month of October, 1931, follows.

000 General

October signified the beginning of the 1932 travel year in these parks. It likewise signified the closing down of all seasonal activities and operations as regards park visitors for 1931. It is to be regretted that the finest month as regards weather conditions should also be the month least utilized by visitors to these areas.

020 General Weather Conditions

The attached tabulation of weather reports for the month clearly show what a splendid period October 1931 has been. These parks and surrounding regions received four days of much needed rainfall and the temperatures during the period were ideal, both night and day. At the higher elevations leaves of the deciduous trees have already turned color and started to fall, while in the canyons at the lower elevations the trees are in their full glory of Indian Summer regalia. The northern part of Utah has already received its first snow storm and blizzard of the winter.

100 Administrative

120. Park Inspections by

121. Superintendent. The Superintendent inspected all projects in progress, all maintenance work and the closing down of all summer units. The Superintendent also made an inspection of the proposed Cedar Breaks Park area in company with Assistant Regional Forester Dana Parkinson of the United States Forest Service.

122. Special Field Representatives of the National Park Service. Chief Engineer Frank A. Kittredge spent October 2 and 3 in these parks inspecting all construction and maintenance work engaged in during the past season and in talking over future development plans and appropriation requests.

125. Other Governmental Officers. Major J. G. Teicher, Manager of the Thirteenth Civil Service District, was in Zion during the month on a general discussion tour of civil service conditions throughout his district. The Superintendent was able to assist him on this trip by furnishing transportation between Saint George, Utah, Kanab, Utah, and Glendale, Utah.

Chief Engineer McDonald and Regional Engineer Hughes of the Bureau of Public Roads were in these parks on October 2 and October 8.

160 Status of Alienated Lands

Notification has been received that the north half of the northwest quarter of section 36, township 40 south, range 11 west, Salt Lake Meridian, has been transferred to Government ownership from that of state school land ownership, thus reducing our alienated lands in Zion National Park by eighty acres.

200 Maintenance, Improvements and New Construction

210 Maintenance

The rains of October created need for an unusual amount of maintenance, removing small slides and cleaning ditches on park roads. It also necessitated reconstruction of a small portion of the Narrows Trail which had been entirely washed out by a slide.

In order to avoid a repetition of a serious complaint against the public campground at Zion National Park, intensive maintenance was performed throughout all the month. This work consisted of repainting the comfort stations, both inside and out, transferring the old caretaker and substituting a new man, scrubbing all camp tables, and thoroughly cleaning every portion of the grounds.

220 Improvements

At the park office a center wall partition has been entirely removed between two clerk's rooms, in order to allow for better circulation of air, additional light and to permit of heating the building during the winter with one stove instead of two. The results have more than fulfilled our expectations.

The checking station at our south entrance has been moved down the road to within five hundred feet of our new boundary line and reestablished at a new location approved by the Landscape representatives. This location furnishes an ideal setting for our entrance building and places checking operations in a more advantageous place, as well as separating that building from its former nearness to park residences.

Under special allotment for roadside cleanup, the property recently purchased by the Government at our south entrance is now in the process of being cleaned up. Former residents and owners were permitted to remove the buildings and the Park Service is now engaged in removing all evidence of fifty years of habitation. Already a remarkable change and improvement is obvious, although the work is as yet incomplete.

230 New Construction

At Bryce Canyon the new dormitory and the new messhouse are both complete except for minor finishing touches, and are available for use by employees doing late fall work. Also at Bryce the small employee's residence being built for temporary men is seventy-five per cent complete at this time.

New trail work engaged in during the summer at Bryce, which consisted of construction of a trail from Peek-a-boo Canyon on to the rim at Bryce Point and return by way of the rim to the lodge and public campground, is completed. Additional funds were granted in order to employ men during the fall season and work approved by the Landscape Division has been proceeded with on the first trail ever to be built to the Fairyland area north of the public campground. At the end of October this new trail was finished to the bottom of the canyon and work had started on the ascent out toward the north. Four thousand lineal feet of trail was completed in October on this location.

Contract road projects 2A4A and 2B in Zion Canyon are reaching a stage of completion and it is expected that the contractor will engage in gravelling this road early in the month of November, and will complete all projects by December 1, which time is considerable ahead of schedule permitted.

Contractor engaged on project 1A, Rim Road at Bryce Canyon, has finished gravelling and placing stock piles, and is now engaged in finishing slopes, building guard rail and doing finishing work on the entire project, with the exception of the location passing Bryce Canyon Lodge. The location at this place, although approved by the Director and all other Park Service officials concerned, is now being held up by officers of the Bureau of Public Roads who desire to make further study at that point.

At Zion an additional amount of \$15,000 was allotted in order to permit of \$9,000 additional road protection work, \$4,000 work on river control, and \$2,000 roadside cleanup, which work was intended to employ local workmen late in the season. Basket dam dykes of rock, held by heavy wire mesh, for protecting highway and canyon lands from heavy river floods, were started in addition to those previously constructed this summer. Five hundred lineal feet of dam was finished in October.

Eight thousand lineal feet of new trail has been built from the swinging bridge at Zion Lodge into Birch Creek Canyon, known otherwise as the Court of the Patriarchs. This is the completion of a popular trail which will be utilized in a few years not only as a trail trip but also for nature walks.

Authorization was given for construction of a small cabin to house the engineer assigned this park from Field Headquarters, and construction of that cabin was sixty per cent finished during the latter part of the month. This cabin is being built from engineering funds.

In order to follow up recommendations made by Dr. Herbert E. Gregory in his geological structure report of Zion Tunnel, a survey crew has been assigned to setting a base line, taking levels and setting permanent measurement stations in the tunnel. These points will be utilized for making constant measurements of any tunnel movement in the future and determining tunnel weaknesses, if any.

240 Improvement of Approaches to the Park.

It is interesting to note that during the last eight months all road between the California line and Anderson's Ranch on U. S. Highway 91 has been given an oil gravel surface, with the exception of twelve miles in the state of Utah and twelve miles in the state of Nevada. This now furnishes a practically completed oil gravel approach to Zion National Park from any town on the main highways in the state of California. Also, during the past year the amount of oil gravel surfacing north of the park on 91 has been increased, and roads reaching us from the east have all been greatly improved.

300 Activities of Other Agencies in the Park

310 Public Service Contractors

Bryce Canyon Lodge was closed to business for the season following breakfast on October 2. It stayed open one extra day in order to take care of a special party of visiting highway engineers during the night of October 1. Zion Canyon Lodge was closed on the morning of October 16 so that at this time there exists no hotel or lodge accommodations available to the public within these parks. Operators of these parks and their chief executives have given the park authorities the finest kind of cooperation during the year. Recommendations have been made through channels that housekeeping cottage service be established in each of these two parks before the opening of the 1932 year.

400 Flora, Fauna and Natural Phenomena

410 Ranger and Naturalist Service

With the exception of one lecture on October 2, no naturalist service has been offered during October, as all ranger naturalists have been removed for the season and permanent Park Naturalist Woodbury resigned for the winter in order to take teaching work in the University of Utah. The museum has likewise been closed for the season.

The state of Utah's annual deer hunting season was in effect October 20 to 31 inclusive, and the hunting season on the Kaibab Forest in Arizona was in effect from October 16 and will end on November 16. Hunters passed through Zion all month on their way to the Kaibab and from the 20th to the 31st park rangers made constant patrol of roads and boundary lines on both Zion and Bryce Canyon National Parks. These patrols were especially worth while at Bryce, the chief ranger reporting that approximately two hundred men from northern Utah camped near the boundaries of Bryce Park and conducted their hunting operations in that vicinity all during the season. Rangers on patrol in that district reported numerous parties who had apparently innocently wandered into the park, the line of which has not yet been signed on that side. Despite the number of hunters at Bryce, very few deer were secured, as the storm on the 19th drove them into the shelter of the park timber. No shooting occurred within the park. It is interesting that of this large number of hunters, but very few of them were local residents, the local persons going to other sections of the state.

At Zion no hunters were cited on the west boundary and thirty-one were reported on the east boundary. Only four deer are known to have been killed on either of these two boundaries, but a large number were killed in and around Springdale and Rockville, on the south boundary, where the fall grazing cover privately owned farms and fields. Sixty-four deer passed through Zion and were registered as being killed on the Kaibab Forest.

470 Animals

Zion Canyon has more deer now than at any time since its creation as a national park. This may be due partly to the excellent weather prevailing on the canyon floor and to early storms at higher elevations, and it may be partly due also to shooting by hunters at the higher elevations. At any rate, the park visitors during October benefitted by the presence of the large number of deer, easily seen at practically all times of the day.

500 Use of Park Facilities by the Public

510 Decrease in Travel

The travel reports show a percentage of decrease over last year, but as these figures are but one month at the start of the travel year, and as it is generally known that Zion Canyon roads are undergoing reconstruction at this time, a decrease in figures is not considered to be serious or as an indication of possibilities.

No travel account will be made at Bryce Canyon National Park until next spring.

530 Visitors

The American Association of State Highway Engineers spent two days at the beginning of October visiting these parks following their annual convention in Salt Lake City. Sixty individuals were in the party at the parks, and included prominent engineers from various states of the Union and from the Territory of Hawaii. Also included in the party was Mayor George P. Colman of Williamsburg, Virginia.

Mr. W. L. Heuber, former President of the Sierra Club, together with Mrs. Heuber, was in Zion and Bryce October 21 and 22.

State Senator Ralph Swing of California passed through Zion on his way hunting at the Kaibab Forest.

540 Public Camps

The public campgrounds were put on winter basis at the end of October, all water running in freezable pipelines being shut off and the public comfort stations closed. The campgrounds are available for winter use, however, water being on hand at Zion and temporary winter toilets being installed both at Zion and Bryce.

600 Protection

610 Police Protection

One deer was killed on the Zion Tunnel Road a short distance below the west portal of the tunnel. Evidence points to illegal shooting at a very early hour in the morning, but as this road is utilized as a cross-state highway, it has not been possible to determine the guilty party or apprehend him. It is possible that this killing was the result of a collision and not in fact a deliberate hunt.

630 Accidents

At Bryce Canyon forty trucks of the Union Construction Company worked night and day hauling gravel to Rim Road Project 1-A, necessitating a traffic control on park roads. Three accidents, all involving contractor's trucks, occurred, and one man was slightly injured, but not seriously.

640 Destruction of Predatory Animals

A government trapper reports killing two mountain lions on the east boundary of Bryce Canyon National Park.

900 Miscellaneous

Topographic Engineer Richard T. Evans of the Geological Survey completed his

season's field work in mapping Bryce Canyon on October 26, and returned to Washington for the winter. Mr. Evans has not completed his work at Bryce, however.

On October 9 ranger Harold Russell was married to Partha Jackson of La Verkin, Utah.

Very truly yours,

Thos. J. Allen Jr.
Superintendent

United States
 Department of the Interior
 National Park Service
 Zion National Park, Utah.

Travel report by states for the month of October 1931-1930.

State	1931				1930.			
	Cars	Pass.	Stage	Misc.	Cars	Pass.		
Arizona	41:	101:	0:	0:	41:	101:	76:	208
Arkansas	:	:	:	:	:	:	1:	2
California	360:	888:	1:	:	360:	889:	540:	1267
Colorado	23:	55:	:	:	23:	55:	34:	93
Connecticut	2:	4:	4:	:	2:	8:	:	1
District of Columbia	3:	9:	2:	:	3:	11:	1:	2
Delaware	:	:	2:	:	:	2:	:	
Georgia	1:	4:	1:	:	1:	5:	2:	4
Idaho	18:	45:	:	1:	18:	46:	20:	53
Illinois	10:	22:	3:	:	10:	25:	13:	38
Indiana	2:	3:	:	:	2:	3:	1:	1
Iowa	2:	4:	:	:	2:	4:	3:	10
Kansas	6:	21:	:	:	6:	21:	10:	29
Kentucky	:	:	:	:	:	:	1:	2
Louisiana	1:	3:	:	:	1:	3:	:	
Maine	1:	2:	:	:	1:	2:	2:	5
Maryland	:	:	2:	:	:	2:	1:	2
Massachusetts	1:	1:	1:	:	1:	2:	1:	11
Michigan	8:	23:	:	:	8:	23:	6:	13
Minnesota	8:	19:	:	:	8:	19:	5:	12
Missouri	3:	6:	:	:	3:	6:	7:	17
Montana	9:	23:	4:	:	9:	27:	13:	30
Nebraska	2:	4:	:	:	2:	4:	4:	12
Nevada	25:	75:	:	:	25:	75:	33:	103
New Hampshire	:	:	1:	:	:	1:	:	
New Jersey	3:	10:	1:	:	3:	11:	5:	21
New Mexico	2:	4:	:	:	2:	4:	6:	13
New York	10:	23:	2:	:	10:	25:	10:	27
North Dakota	1:	3:	:	:	1:	3:	2:	4
Ohio	8:	19:	3:	:	8:	22:	31:	112
Oklahoma	4:	15:	:	:	4:	15:	2:	4
Oregon	12:	34:	:	:	12:	34:	8:	17
Pennsylvania	4:	9:	1:	1:	4:	11:	4:	13
Rhode Island	:	:	:	:	:	:	1:	4
South Dakota	1:	2:	:	:	1:	2:	2:	6
Tennessee	2:	5:	:	:	2:	5:	:	
Texas	12:	31:	:	2:	12:	33:	15:	63
Utah	276:	846:	13:	:	276:	859:	284:	886

State					1931		1930	
	: Cars :	Pass :	Stage:	Misc:	Cars :	Pass :	Cars :	Pass
Vermont	:	:	:	:	:	:	1:	2
Virginia	:	1:	5:	6:	:	1:	11:	2: 6
Washington	:	14:	47:	:	:	14:	47:	11: 34
West Virginia	:	1:	4:	:	:	1:	4:	:
Wisconsin	:	1:	4:	:	:	1:	4:	2: 7
Wyoming	:	3:	5:	:	:	3:	5:	13: 32
Alaska	:	:	:	:	:	:	1:	2
Canada	:	1:	2:	:	:	1:	2:	5: 7
Canal Zone	:	1:	2:	:	:	1:	2:	:
Denmark	:	:	:	:	:	:	1:	2
Hawaii	:	1:	4:	1:	1:	1:	6:	5: 7
Mexico	:	1:	3:	:	:	1:	3:	:
South America	:	:	:	:	:	:	1:	2
Total		685:	2369:	48:	6:	685:	2445:	1181: 3181.

Travel report
Zion National Park, Utah.
October 1931.

	: This : Month : 1932	: Travel: : Year : 1932	: this : Month : 1931	: Travel: : Year : 1931	: This : Month : 1930	: Travel: : Year : 1930	:Percentages :NO.	:Percent
<u>Private transportation:</u>								
Cars first entry	755	755	989	989	411	411	234	23.66-
Cars reentry	129	129	192	192	---	---	64	33.3-
Motorcycles	1	1	--	--	---	---		
Total	885	885	1181	1181	411	411	296	25-
Persons entering via.								
Motor vehicles.....	2389	2389	3162	3162	1204	1204	773	24.4-
Persons entering via.								
Other transportation	2	2	--	--	2	2		
Total	2391	2391	3162	3162	1206	1206	773	24.4-
Persons entering via.stages	48	48	18	18	7	7	30	166.6Inc
Persons entering otherwise	6	6	1	1	-	-	5	
Total	54	54	19	19	7	7	35	184.2Inc
GRAND TOTAL.....	2445	2445	3181	3181	1213	1213	756	23.1-

People and cars via east entrance... Cars 352 People 972

South entrance.. Cars 533 " 1473

77 cars and 185 people used the public auto camp during the month this year

62 cars and 151 people used the public auto camp during same month last year

104 cars entering the park on buisness and 781 came for pleasure.

779 books of the rules and regulations were distributed during the month.

ZION NATIONAL PARK, UTAH.
October 31, 1931.

Weather report for the month.

Temperature:

Mean Maximum..... 76--
Mean Minimum..... 49 plus
Mean..... 62.5
Maximum..... 84 on the 7th & 15th
Minimum..... 35 on the 28th

Precipitation:

Total..... .49 Inches
Greatest in 24 hours..... .24 on the 19th

Weather:

Number of days with .01 inch or more
precipitation..... 4 days

Clear days 16, partly cloudy 4, cloudy 11.

Harold Russell

Cooperative observer.

10-159
 (May, 1931)

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 NATIONAL PARK SERVICE

S T A T U S O F P E R S O N N E L

Zion-Bryce National Park for the Month of October, 1931.

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
Number of employees beginning of month	13	19	11	48
Number of additions	00	82	00	10
Total	13	101	11	58
Number of separations	2	20	00	30
Number of employees close of month	11	81	11	28
Number of promotions during month	None		None	
Aggregate amount of annual leave taken	12		35	
Aggregate amount of sick leave taken	None		None	
Aggregate amount of leave without pay	None		None	

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Zion National Park for the Month of October, 1931.

	This Year	Last Year
Park revenue on hand beginning of month,	244.00	278.00
Received,	<u>1,149.00</u>	<u>878.00</u>
Total,	1,593.00	1,156.00
Remitted,	<u>650.00</u>	<u>979.00</u>
On hand close of month,	<u><u>743.00</u></u>	<u><u>177.00</u></u>

Park revenues received this year to date,	9,196.00
Park revenues received last year to date,	9,476.00
Increase,	<u><u>280.00</u></u>
Per cent of increase,	<u><u>3</u></u>

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

~~Zion-Kayser~~ National Park for the Month of October, 1931

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date Completion
Employee's quarters	00			June 30, 1932
Comfort station	100	00	10	
Woodshed - Garage	100	5	00	
Powder house	00			June 30, 1932
Water system, West Rim	100			
Extension water system	50	00	00	June 30, 1932
Extension sewer system	50	00	00	June 30, 1932
Campground development	90	00	00	June 30, 1932
Improving grounds, Adm. Area	60	00	00	June 30, 1932
Misc. trail construction	85	75	10	Dec 31, 1931
Post construction	85	5	10	Dec 31, 1931
Road protection	75	75	00	Dec 31, 1931
Roadside cleanup	10	10	00	Dec 31, 1931

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Bryce Canyon National Park for the Month of ...October, 1931.....

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date Completion
Dormitory	95	5	40	Dec 1, 1931
Messhouse	95	5	40	Dec 1, 1931
Employees quarters	25	25	00	Dec 1, 1931
Campground development	75	00	00	June 30, 1932
Trails	70	50	20	Dec 31, 1931

