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DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

-----Zion----- NATIONAL PARK

FILE NO.

MONTHLY REPORT FOR APRIL, 1932

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STEPHEN T. MATHER,

Director.

ZION AND BRYCE CANYON NATIONAL PARKS
Springdale, Utah

May 7, 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 April, 1932:

000 General

020 General Weather Conditions - Zion

The weather for the month was somewhat cooler than for the same period last year. Some snow fell in the canyon but not enough to register in the rain gage at the south entrance. The average temperature was 44 degrees, maximum 81 on the 16th and minimum 31 on the 23rd. Total rainfall for the month was 1.34 inches; greatest in 24 hours, .59 inches.

020 General Weather Conditions - Bryce Canyon

At the beginning of the month there was 23 inches of snow on the ground. Five inches of new snow fell in the month; greatest amount in 24 hours, 2 inches. At the end of the month the snow was practically all melted.

100 Administrative

121 Park Inspections by Superintendent

On March 31 I was in Omaha conferring with Union Pacific officials concerning the Southwest Approach Road to Bryce Canyon National Park, and other matters affecting the two parks. I left Omaha on the morning of April 1, arriving in Hot Springs at noon April 2, where I was in attendance at the Superintendent's Conference until the evening of April 7, when I departed for Stockton, California. I was on annual leave in Stockton for six days, returning to the park on the evening of April 16.

On April 20 I went to St. George to interview several people for the purpose of securing information needed in connection with plans for the proposed inspection and investigation of the Hoover Reservoir area.

On the 25th I drove to Bryce Canyon National Park, accompanied by Assistant Superintendent Parker and Park Naturalist Gray. Again went to Bryce on the 27th with Assistant Landscape Architect Langley and Mr. T. A. Wells, Manager of Utah Parks Hotel Department, where we met District Engineer Finch and Engineers Brown and Davis of the Bureau of Public Roads. The whole party went over the location line of the Rim Road in the vicinity of the rear of Bryce Lodge, settling minor details which had not been previously covered in connection with the construction of this section. Later Mr. Wells and Langley and I made an inspection of the proposed area of the housekeeping cabin unit.

123 Park Inspections by National Park Service Officers

Assistant Landscape Architect Langley arrived in Zion National Park from San Francisco on the 26th. On the 27th he accompanied me to Bryce, returning to Zion the same day. On the following day he returned to Bryce with Assistant Superintendent Parker for the purpose of making a survey of the campground road and tying into the ground the map plans of the Utah Parks housekeeping cabin unit, remaining in Bryce to the end of the month.

140 Labor Situation

Owing to lack of new allotments only four laborers were employed in Zion Park, and none were employed in Bryce Canyon. The situation is serious as residents of the towns near the parks have depended on park employment for several years.

170 Plans, Maps and Surveys

On the 28th and 29th Assistant Superintendent Parker was engaged in locating the campground and housekeeping cabin roads in Bryce Canyon National Park.

Oak Creek Water Supply, Zion National Park. On the 1st of April a survey party, consisting of four men under the direction of Assistant Superintendent Parker, began a survey of the proposed water line in Oak Creek Canyon. Four springs in this canyon were tied into a main supply line, a reservoir site was selected, and a main distribution line run through the newly purchased area near the southern boundary of the park. Approximately five miles of line were located and levels, cross-sections and topographical notes taken. The notes were forwarded to Field Headquarters for study and design. This water system will supply the new housekeeping cabin unit, public campground area, park residential and utility sites in Oak Creek Canyon. The survey was completed April 13.

The following plans and maps were received or passed through this office:

- Bryce topographic map received from Chief Engineer.
- Plans for the 1931-32 residence, approved.
- Plans for Utah Parks cafeteria at Bryce received and forwarded for approval.
- Plans for the 1932-33 equipment shed at Zion received and forwarded for approval.

Preliminary sketches for the following items to be included in the 1934 estimates were received:

- Machine shop at Bryce.
- Residence and checking station, Zion.
- Six-room residence, Zion.
- Duplex garage and woodshed, Zion.

200 Maintenance, Improvements and New Construction

210 Maintenance

Eleven miles of telephone line has been taken down and splices tightened. Most of the brackets and insulators were taken off and replaced with split insulators. A tent was set up at the east entrance for living quarters for ranger-checkers this summer. A small kiosk was built by rangers to be used as a checking station at the east entrance. A telephone was installed to the building. Open toilets were set up on the small area of the auto camp north of the Grotto Creek. A flag pole was erected near the east rim checking station.

At Bryce Canyon the ranger has cleaned up around the ranger station and prepared boards and posts for signs which will be used on the trails and new road.

300 Activities of Other Agencies in the Parks

310 Public Service Contractors

The Utah Parks Company has had several men engaged this month doing work around the lodge. Their principal activity has been the obliteration and plowing of the old road and extending this area as part of their lawn. They have also set out some cottonwood trees in the angle of the main road and the north fork of the lodge loop road.

400 Flora, Fauna and Natural Phenomena

410 Ranger, Naturalist and Guide Service

Although the regular season does not open until May 15, five specially conducted field trips have been made and one auto caravan. A total of 541 contacts was made. The seasonal guide service is being reorganized, to be complete before May 15. A circular on "What to do in Zion" is being prepared and will be distributed at the checking station and at the museum.

430 Activities in Archeology, Prehistory and History

Assistant Park Naturalist with a party of four others inspected the Parunuweap Canyon and several of the cliff dwellings located some $8\frac{1}{2}$ miles from the entrance to Zion National Park. Various Indian pictographs on the Zion-Mt. Carmel Highway have been examined and it is planned to show these to visitors whenever feasible.

440 Insect Control

As soon as the leaves were out on the trees in the canyon they were sprayed with arsenate of lead and lime mixture in the public camp, the old Wiley Camp and around park headquarters. This operation will be repeated if necessary to save the white ash trees from being destroyed by caterpillars. This work was done by the ranger force under the direction of Dr. John Gray, Park Naturalist.

470 Animals

At Zion three chuckwallas, three turtles, one scaly desert lizard and one horned toad comprise the live exhibit at the museum. Deer are seen every evening on the floor of the canyon and along the trails. Skunks are very much in evidence and a porcupine was seen near the Union Pacific garage. Cold weather has delayed the appearance of snakes, although one rattler, one racer and two milk snakes have been seen. Cougar tracks were seen on the east rim on the 22nd.

At Bryce a red fox was seen in Campbell Canyon.

500 Use of Park Facilities by the Public

510 Increase or Decrease in Travel

There was a decrease of 8.4 per cent in travel in Zion this month, probably due to the late season and the depression.

530 Visitors

April 28-30. Party of 75 boy scouts and 23 men from Kanab district, including Washington and Kane Counties, accompanied by Mr. A. A. Anderson of Provo, Scout Executive for the Timpanogos District.

April 29. Mr. and Mrs. H. W. Wolf, en route on their honeymoon to Los Angeles.

600 Protection

630 Accidents

Mr. George Croft, Engineer of the Utah Parks Company driving a Chevrolet truck, collided with Mr. Hunter of Cedar City, who was also driving a Chevrolet truck hauling a gasoline tank. Both parties were questioned and handed in a written report on the collision. Probably \$5 damage was done, although neither party is claiming damage.

640 Destruction of Predatory Animals

Gophers have been very destructive to the lawns, small trees and shrubbery roots near the park lodge in Zion. Poison carrots were placed in the gopher holes and a great many have been destroyed.

At Bryce porcupines have eaten the bark on hundreds of pine trees. During the winter ranger Cope destroyed 25 and the Forest Service is destroying many of them in the adjoining forest.

900 Miscellaneous

The following ranger and ranger-naturalist appointments for the 1933 season were recommended:

Ranger-naturalists:

Angus M. Woodbury
Gordon Y. Croft
Kenneth E. Weight
H. L. Reid

Rangers:

Fred C. Fagergren
Richard R. Critchlow
Owen F. Burgener
J. Reed Jones

On April 26 Mr. H. W. Wolf and Miss Lucille Wallis were married at Ogden, Utah. This announcement is of particular interest to the National

Park Service as Mr. Wolf is to be the manager of the Zion Lodge this season. Miss Wallis was the manager of the curio department on the North Rim and Mr. Wolf was the manager of Cedar Breaks Lodge last year.

Very truly yours,

P. P. Patraw
Superintendent

United states
 Department of the Interior
 National Park Service
 Zion National Park Utah

Travel report to date by states for the month of April 1932 and 1931.

	19 32				19 31			
	Cars	Pass.	Stage	Misc.	Cars	Pass.	Cars	Pass.
Alabama	-	-	-	-	-	-	-	-
Arizona	127	403	-	-	127	403	208	603
Arkansas	-	-	-	-	-	2	2	4
California	700	1764	1	-	700	1765	1183	2841
Colorado	54	127	-	-	54	127	93	250
Connecticut	5	11	4	-	5	15	2	8
Dist. of Columbia	3	9	2	-	3	11	4	8
Deleware	1	2	2	-	1	4	-	-
Florida	-	-	-	-	-	-	1	2
Georgia	1	4	1	-	1	5	3	6
Idaho	40	97	-	3	40	100	81	211
Illinois	18	40	3	-	18	43	22	65
Indiana	2	3	-	-	2	3	2	3
Iowa	7	15	-	-	7	15	8	27
Kansas	11	34	-	-	11	34	14	39
Kentucky	-	-	-	-	-	-	1	3
Louisiana	1	3	-	-	1	3	1	3
Maine	3	7	-	-	3	7	2	5
Maryland	-	-	2	-	-	2	1	2
Massachusetts	4	12	1	-	4	13	4	19
Michigan	15	35	-	1	15	36	13	34
Minnesota	11	27	-	-	11	27	11	29
Mississippi	-	-	-	-	-	-	-	-
Missouri	4	8	-	1	4	9	15	34
Montana	23	52	4	-	23	56	32	77
Nebraska	8	16	-	-	8	16	9	30
Nevada	59	155	-	-	59	155	89	265
New Hampshire	-	-	1	-	-	1	1	2
New Jersey	6	15	1	-	6	16	5	23
New Mexico	6	16	-	-	6	16	11	25
New York	15	38	2	2	15	42	20	44
North Carolina	-	-	-	-	-	-	1	2
North Dakota	6	14	-	-	6	14	3	7
Ohio	9	21	3	-	9	24	38	135
Oklahoma	4	15	-	-	4	15	9	23
Oregon	22	62	-	-	22	62	24	51
Pennsylvania	11	25	1	1	11	27	12	31
Rhode Island	-	-	-	-	-	-	2	8
South Dakota	1	2	-	-	1	2	3	8
South Carolina	-	-	-	-	-	-	-	-
Tennessee	3	11	-	-	3	11	-	-
Texas	20	53	-	2	20	55	25	90
Utah	2571	8256	13	22	2571	8291	2127	7443

6299
2066

travel by states continued--

Vermont	:	2:	3:	- :	- :	2:	3:	1:	2
Virginia	:	2:	7:	6:	- :	2:	13:	3:	11
Washington	:	38:	99:	- :	- :	38:	99:	31:	87
West Virginia	:	1:	4:	- :	- :	1:	4:	- :	-
Wisconsin	:	5:	13:	- :	- :	5:	13:	7:	17
Wyoming	:	20:	46:	- :	- :	20:	46:	40:	99
Alaska	:	- :	- :	- :	- :	- :	- :	1:	2
Canada	:	4:	14:	- :	- :	4:	14:	11:	22
Canal Zone	:	1:	2:	- :	- :	- 1:	2:	- :	-
Denmark	:	- :	- :	- :	- :	- :	- :	- :	1
Hawaii	:	1:	4:	1:	1:	1:	6:	1:	2
Panama	:	1:	2:	- :	- :	1:	2:	- :	-
So. America	:	- :	- :	- :	- :	- :	- :	1:	2
Mexico	:	1:	3:	- :	- :	1:	3:	- :	-
TOTAL--		3847:	11549:	48:	33:	3847:	11630:	4178:	12705

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

10-157
(July, 1929)

TRAVEL REPORT

..... ZION National Park for the month of APRIL 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,	334	2790	766	3746	956	25.5% De.
Cars reentry,	410	1055	340	430	625	145.3% In.
Motorcycles,		2		2		
Total motor vehicles,	<u>744</u>	<u>3847</u>	<u>1106</u>	<u>4178</u>	<u>331</u>	<u>7.9% De.</u>
Persons entering via motor vehicles,	2694	11545	4023	12658	1113	8.8% De.
Persons entering via other private transportation,	0	4	0	2	2	
Total persons entering via private transportation,	<u>2694</u>	<u>11549</u>	<u>4023</u>	<u>12660</u>	<u>1111</u>	<u>8.7% De.</u>
<u>OTHER TRANSPORTATION:</u>						
Persons entering via stages,	0	48	2	23	25	108.7% In.
Persons entering via trains,						
Persons entering otherwise,	5	33	8	23	10	43.4% In.
Total other transportation,	<u>5</u>	<u>81</u>	<u>10</u>	<u>46</u>	<u>35</u>	<u>76% In.</u>
GRAND TOTAL ALL VISITORS,	<u>2699</u>	<u>11630</u>	<u>4033</u>	<u>12706</u>	<u>1076</u>	<u>8.4% De.</u>

	This Year	Last Year	Increase	
			Number	Percent
Automobiles in public camps during month,	133	00		
Campers in public camps during month,	616	00		

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

TEMPERATURE:

Mean Maximum 70.7
Mean Minimum 44
Mean 65.3
Maximum 81 on 16th.
Minimum 31 on 23rd

PRECIPITATION:

Total 1.34 inches
Greatest in 24 hours59 on 26th.

Number of days-:

With .01 or more precipitation 6 days
Clear 13, Cloudy 11, Partly Cloudy 6.

Arden G. Schiefer
Cooperative Observer.

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

TEMPERATURE:

Mean Maximum	52.4
Mean Minimum	24
Mean	38
Maximum	64 on the 15, 16.
Minimum	12 above zero on 27th.

PRECIPITATION:

Amount of snow April 1st.	23 inches
Snow fall during month	5 inches
Greatest in 24 hours	2 inches
Amount of snow April 30th	none

WEATHER:

Days clear	14
Days partly cloudy	9
Days cloudy	7

Amount of snow fall since
November 8, 139 inches.

Maurice Cope
Observer.

10-159
(May, 1931)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

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

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
Number of employees beginning of month	11	37	9	6
Number of additions	0	3	0	23
Total	11	40	9	29
Number of separations	0	36	0	8
Number of employees close of month	11	4	9	21
Number of promotions during month	0		1	
Aggregate amount of annual leave taken	6		3	
Aggregate amount of sick leave taken	0		0	
Aggregate amount of leave without pay	0		0	

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Zion National Park for the Month of April, 1932

	This Year	Last Year
Park revenue on hand beginning of month,	None	279.00
Received,	368.00	708.50
Total,	368.00	987.50
Remitted,	170.00	896.50
On hand close of month,	198.00	91.00
Park revenues received this year to date,		10,339.00
Park revenues received last year to date,		11,791.50
Increase,		1,452.50
Per cent of increase , decrease,		12.3

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

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

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date of Completion
<u>Zion</u>				
407 Employees quarters	00			<i>Sept</i> June 30, 1932
408 Comfort station	100			
409 Woodshed-garage	100			
410 Powder house	100			
484 Water system, West Rim	100			
485 Extension water system	100			
486 Extension sewer system	75			June 30, 1932
487 Campground development	100			
488 Improving grds, Adm Area	70			June 30, 1932
502.1 Misc trail const	95	<i>100</i>	<i>5</i>	June 30, 1932
504.4 Post construction	99	<i>05</i>	<i>5</i>	June 30, 1932 ³
504.5 Road protection	98	<i>100</i>	<i>42</i>	June 30, 1932
504.6 Roadside cleanup	90		<i>4</i>	June 30, 1932
<u>Bryce</u>				
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			
503 Oiling road	100			
<i>505 Camp road</i>	<i>00</i>			<i>Sept 30, 1932</i>