

May 1931

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

FILE NO.

MONTHLY REPORT

MAY, 1931.

IMPORTANT

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STEPHEN T. MATHER,
Director.

June 8, 1931

The Director
National Park Service
Washington D. C.

Dear Mr. Director:

The following is report of activities and operations in Zion and Bryce Canyon National Parks for the month of May, 1931.

000 General

The month of May in Zion and Bryce Canyon Parks very clearly indicated by an early attendance and early demand for hotel accommodations that the season of 1931, at least as regards general automobile travel, will be a very successful one. Even before Zion and Bryce Lodges were open for business, a great number of persons inquired for accommodations and during the period when lodges were informally open and being arranged for the season, a goodly number of guests were handled. At the end of May Zion Lodge was showing a fair increase over the same period of 1930.

020. General Weather Conditions. Weather during May was almost ideal, with a fair proportion of clear, sunny, warm days, one or two of which reached the hot stage, and with just enough rainfall to keep things comfortable. A tabulation of weather records is attached.

100 Administrative

110. Status of Work. Cost reports covering operations in Zion and Bryce Canyon National Parks for the month of April were necessarily submitted late in the month of May due to lack of sufficient assistance for office work. On the 18th of May, however, the new clerk's position was filled by Miss Elsa Fredrickson, transferred from the office of Indian Irrigation Service in Salt Lake City, and at the end of May office work was practically up to date.

At Bryce Canyon it has not as yet been possible to start construction of buildings authorized for 1932 due to the necessity for certain changes in plans for these buildings in order to bring them properly within the appropriations allotted.

120. Park Inspections. (121. Superintendent) The Superintendent made frequent inspections of park force account, maintenance and construction operations, and occasional inspections of construction work on road project covering the floor of valley road at Zion. He also made special inspections covering operations of the route of Bryce Canyon Project 1A and a complete inspection of all trails below the rim of Bryce Canyon. In order to familiarize himself with locations and operations inspection was made of Pipe Springs National Monument and Grand Canyon National Park. Inspection was also made of hotel facilities at Zion and Bryce Canyon National Parks previous to their opening for business.

(122. Special Field Representatives of National Park Service.) Chief Landscape Architect T. C. Vint, Assistant Landscape Architect Harry Langley and Accountants W. A. Blossom and Noble Wilt were in the parks during the month on official business. Messrs. Joseph Dixon and Thompson of the Wild Life Research Division arrived in the Park on the 25th, and assisted by Park Naturalist Woodbury proceeded with a study of wild life conditions in Zion and Bryce Canyon Parks. A report of their conclusions will probably be submitted later.

(123. National Park Service Officers.) Senior Assistant Director A. E. Demaray made an inspection of these parks May 24 to 27 inclusive, and assisted in making certain definite decisions while here. Assistant Superintendent P. P. Patrow of Grand Canyon National Park was in Bryce Canyon National Park on May 26 under orders of Senior Assistant Director Demaray.

(127. Other Agencies.) Engineers B. J. Finch, R. A. Brown and Mr. English of the Bureau of Public Roads made inspection of road projects under way at various intervals.

140. Labor Situation. Due to the great amount of road construction work under way in southern Utah and northwestern Arizona, labor and unemployment situations in this region are considerably relieved, and this condition is expected to hold true at least until the fall of the year. There has been no difficulty in obtaining labor for park work.

150. Equipment and Supplies. During May the following items of equipment were received:

- 2 Kleiber 3-ton dump trucks
- 1 Rix six air compressor
- 1 Chevrolet touring car
- 1 Westinghouse automatic electric range
- 1 Cochise Air Drill Hammer
- 300 feet 3/4 inch air hose
- 12 Bentwood chairs
- 6 Metal folding chairs
- 4 Office chairs
- 2 Sections steel bookcases

160. Status of Alienated Lands. Special Representative F. J. Solinsky was in Zion May 13 and 14, and during that time completed all transfer papers and assignment records necessary for closing purchase deals of all private land holdings in sections 21 and 22, township 41 south, range 10 west. Following the recording of all deeds and papers at the Washington County Courthouse, payment for these lands was made on May 15, and they are now the property of the United States Government. This completes all land transactions under way at the present time.

170. Plans, Maps and Surveys. The Superintendent's approval has been given to road location plans and specifications covering Zion project 2-B, completion of the floor of the valley road, and Bryce project 1A, Bryce rim road.

180. Publicity Bulletins. A press bulletin was issued announcing the opening of Zion and Bryce Canyon Parks for the season with all accommodations in operation. Copy of this bulletin is attached.

200 Maintenance, Improvements and New Construction

210. Maintenance. The one-half inch of rain which fell in May resulted in considerable increase of maintenance operations in order to remove slides and maintain road ditches. Also it has been necessary to install a considerable number of additional bents in the timbering of Zion tunnel. These conditions have been necessary by shifting of the rock weight on the tunnel supports, and while no trouble is expected, the work has been done as a safeguard rather than a repair job.

Dust-proof ciling of roads in Zion National Park was performed during May and included all roads which will not be touched by construction operations until very late in the season. This work will eliminate the dust condition usually present here without it, and will compensate in part to the general public for the discomfort which will be caused this year in traversing construction operations.

220. Improvements. In order to secure space for proper piling of spare materials and handling of equipment for which no storage buildings were available, a small equipment yard has been constructed by digging into the hillside directly behind the existing equipment shed. The yard as now built is small but hides from public view old pipe, rough lumber, wire rope, culverts, and so forth, which are still useful, and which heretofore have been scattered at various points throughout the administrative area.

230. New Construction. On May 4 work on basket dam road protection was started for this season by clearing and deepening of the river channel directly in front of Zion Lodge, and soon after that actual construction of basket dam was under way. The first work of the season will protect

the two weakest points on our river shores and should be completed prior to the usual time for expected high water caused by thunder showers. The road into the rock quarry used for basket dam supply has been completed and by the use of a power shovel in the quarry, the quarry itself is being improved and made more useful as rock is being taken out for river work.

Extension of Water System. A concrete supply storage tank has been installed on the slopes of Pine Creek at a point within the existing water supply line of headquarters area for the purpose of regulating pressure and eliminating air from our water lines. It will also furnish storage for use in fire protection.

Water System, West Rim Trail. Galvanized pipe has been purchased and packed on horseback to location of operations for installation of a water system leading to the top of the West Rim Trail. No installation of this material had been done at the end of the month.

Comfort Station, Public Camp Ground. During the last week of May masons were employed in quarrying rock to be used in constructing an additional comfort station in the public camp ground at Zion Park.

Rim Trails at Bryce. A crew of workmen have begun construction of trails along the rim of Bryce Canyon. This work is part of the trail construction program for 1932 funds.

240. Improvement of Approaches to Park. The State of Utah had under construction during May a road leading from Panguitch to Bryce Canyon Park Junction on Highway 89. They also had under construction improvement of highway 89 leading to the east entrance of Zion from the south, and contracts were let for permanent oiling of road from Mount Carmel to our east boundary.

300. Activities of Other Agencies in the Park

310. Public Service Contractors. Zion Lodge was opened for the season on May 15, and Bryce Lodge on May 25. Some guests were taken care of at both of these places on an informal basis previous to these dates.

(312. Cooperation with the Superintendent.) The officers of the Utah Parks Company and the Union Pacific System, together with local manager of Zion and Bryce Lodges, have shown every intention of giving the Superintendent the fullest cooperation in his work.

(317. Status of Authorized Projects of Contractors.) Zion Project 2A4A, Floor of the Valley Road, was well under way at the end of the month, and is being handled by contractors Morrison, Chapman and Scott, who thoroughly understand their work and are pushing things to an early and satisfactory completion. Zion Project 2B and Bryce Canyon Project 1A were advertised for bid openings on June 1. These two projects must be contracted for previous to July 1, 1931.

400. Flora, Fauna, and Natural Phenomena.

410. Ranger, Naturalist and Guide Service. The first of our summer ranger employees reported for the season on May 15. The balance of temporary rangers will report on June 1.

Park Naturalist Woodbury returned from assignment to Educational Headquarters on May 25 and immediately proceeded with opening of the museum service and lecture work on the Narrows Trail and at the lodge at Zion.

440. Insect Control. An infestation of caterpillars attacking the Ash trees throughout Zion occurred late in April and early in May. Attacks in previous years have resulted in defoliating a large number of trees, and as the attack this year was much more serious than any heretofore, request was made for emergency funds and extensive spraying operations have no doubt resulted in saving a great proportion of our Ash trees from complete destruction this year. Spraying operations will need to be performed in following years also.

470. Animals. Mr. Dixon of the Wild Life Research Division spent several days in making a study of our animal life and game possibilities.

490. Miscellaneous. Porcupines are doing an increased amount of damage on trees at Bryce Canyon National Park, and a study is being made to determine whether or not they should be considered predatory for a certain period of time until their number can be reduced. Mr. Dixon is being consulted on this problem.

500. Use of Park Facilities by the Public

510. Increase in Travel. Travel tabulations attached to this report indicate increase of 24 per cent over last year in the number of persons visiting Zion National Park, and an increase of 250 per cent in the number of persons visiting Bryce Canyon National Park to date. The large increase at Bryce is due in part to the early season opening which occurred there after an unusually dry and mild winter, and at both parks is due to the increased popularity of southern Utah trips by the general travel-

ing public. It is believed that part of the increase can be attributed to the great number of persons routing their contemplated tours past Las Vegas, Nevada, in order to visit Boulder Dam, and their including Zion and Bryce Canyon National Parks in their trip. It will be interesting to note whether or not rail travel shows a corresponding increased interest in these parks after June 1.

540. Public Camps. Public camp grounds at both Bryce and Zion were prepared for use and their facilities open to the public May 15 and 16.

600 Protection

610. Police Protection. The watchman for road contractors in Zion apprehended two employees of sub-contractor McWhitney stealing gas from an air compressor. So far it has not been possible for Chief Ranger Jolley to obtain identification of these men, but inasmuch as the contractor has indicated that he does not desire to prosecute, and has handled the matter within his own force, it is not considered necessary to follow it up any further.

620. Fire Protection. A small fire occurred along the road a short distance above Zion Lodge. It was extinguished within an hour after its discovery and no damage was done.

Very truly yours,

Thos. J. Allen Jr.
Superintendent

COMPARATIVE TRAVEL REPORT BY STATES FOR THE SEASON'S TO DATE, 1932 and
 ZION NATIONAL PARK UTAH, ~~1932~~ May 31, 1931.

State					Total 1931		Total 1930	
	Cars	Pass.	Stage	Misc	Cars	Pass.	Cars	Pass.
Arkansas	3	6	0	0	3	6	3	9
Alabama	0	0	0	0	0	0	1	1
Arizona	254	745	0	1	254	745	111	342
California	1672	4127	1	1	1672	4129	717	1810
Colorado	137	365	0	1	137	366	52	138
Connecticut	6	15	1	0	6	16	1	2
Dist. of Columbia	7	15	1	0	7	14	0	0
Illinois <i>Deli.</i>	1	3	0	0	1	3	0	0
Florida	4	13	0	0	4	13	4	9
Georgia	3	6	0	0	3	6	0	0
Idaho	109	287	0	2	109	289	78	241
Illinois	39	109	2	1	39	112	23	63
Indiana	6	17	0	0	6	17	6	18
Iowa	18	53	0	0	18	53	12	32
Kansas	21	55	1	0	21	56	4	13
Kentucky	3	4	0	1	3	5	1	6
Louisiana	2	5	0	0	2	5	3	10
Maine	2	5	0	0	2	5	1	2
Massachusetts	9	20	11	1	9	32	6	16
Michigan	18	45	0	0	18	45	17	43
Minnesota	15	37	0	1	15	38	14	46
Mississippi	0	0	0	0	0	0	1	2
Missouri	19	43	2	2	19	47	8	22
Montana	41	96	0	0	41	96	33	99
Nebraska	16	46	7	0	16	53	9	19
Nevada	143	418	0	3	143	421	68	240
New Hampshire	2	4	0	0	2	4	1	2
New Jersey	16	56	2	2	16	60	13	34
New Mexico	15	33	0	0	15	33	7	16
New York	40	91	8	1	40	100	22	55
North Carolina	2	5	0	0	2	5	2	6
North Dakota	4	10	0	0	4	10	4	11
Ohio	49	167	0	2	49	169	15	43
Oklahoma	12	30	0	2	12	32	4	10
Oregon	36	75	0	1	36	76	17	41
Pennsylvania	16	30	0	0	16	38	9	18
Rhode Island	3	10	0	0	3	10	0	0
South Dakota	5	14	0	0	5	14	0	0
Texas	39	126	0	0	39	126	21	64
Tennessee	0	0	0	0	0	0	2	3
Utah	2793	9870	3	6	2793	9879	2537	10286
Vermont	1	2	0	0	1	2	0	0
Virginia	5	15	0	0	5	15	1	5
Washington	47	123	0	0	47	123	45	125
Maryland	1	2	0	0	1	2	2	7

Continued-

West Virginia	:	1:	2:	0:	0:	1:	2:	1:	2
Wisconsin	:	11:	26:	0:	0:	11:	26:	7:	15-
Wyoming	:	52:	129:	1:	2:	52:	132:	20:	56
Alaska	:	1:	2:	0:	0:	1:	2:	0:	0-
Australia	:	0:	0:	0:	0:	0:	0:	0:	2-
Canada	:	14:	27:	2:	0:	14:	29:	9:	23-
England	:	0:	0:	1:	0:	0:	1:	0:	0:-
Denmark	:	0:	0:	1:	0:	0:	1:	0:	0:-
Hawaii	:	2:	4:	0:	0:	2:	4:	3:	7:-
Japan	:	0:	0:	1:	0:	0:	1:	0:	0:-
Porto Rico	:	1:	2:	0:	0:	1:	2:	0:	0:-
Philippine Island	:	0:	0:	0:	0:	0:	0:	1:	2:-
South Africa	:	1:	2:	2:	0:	1:	4:	1:	2-
South America	:	1:	2:	0:	0:	1:	2:	0:	0-

TOTAL		5718	17400	47	30	5718	17477	3917	14016
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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Zion National Park, Utah, Travel report for the month of May 1931.

	1929								
	: This	: This	: Last	: This	: Last	: Travel	: Inc	: Decrease	
	: Month	: Year	: Last	: Year	: 1929	: Year	: Number	: Percent	
	: :To date	: Year	: To date	: To date					

PRIVATE TRANSPORTATION:

Cars first entry	: 1298:	5044:	951 :	2934:	543 :	1547 :	2110 :	72%	Inc.
Cars re-entry	: 242:	672:	135 :	980:	110 :	362 :	218 :	45%	De.
Motorcycles	: 0:	2:	1 :	3:	0 :	2 :	1 :	33%	De.
Total motor vehicles	1540	5718	1087	3917	653	1911	1801	46%	Inc.

Persons entering via motor vehicles : 4740:17398: 3401 :13967: 2242 : 6272 : 3431 : 24% Inc.

Persons entering via other transportation : 0: 2: 0 : 0: 0 : 0 : 0 :

Total persons entering via private transportation 4740:17400: 3401 :13967: 2242 : 6272 : 3433 : 24% Inc.

OTHER TRANSPORTATION:

Persons entering via stage	24:	47:	20 :	34:	106 :	200 :	13 :	38%	Inc.
Persons entering otherwise	8:	30:	4 :	15:	1 :	17 :	15 :	50%	Inc.
Total other Trans.	32:	77:	24 :	49:	107 :	217 :	28 :	57%	

GRAND TOTAL ALL VISITORS: 4772:17477: 3425 :14016: 2349 : 6489 : 3451 : 24 % Inc.

	: This	: Last	: Increase	
	: Year	: Year		
	: :	: :	: Number	: Per cent
Automobiles in public camp during month	283	285	2	1% De.
Campers in public camp	861	972	111	11% De.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Bryce Canyon National Park for the Month of May, 1931

	:	This	This	Last	Increase for	
	:	Month	Month	Month	Travel Year	
	:	Year	Year	Year	Number	Per cent
	:	To Date	To Date	To Date	Number	Per cent
<u>PRIVATE TRANSPORTATION</u>	:	:	:	:	:	:
Cars first entry	:	1085	2615	576	827	1788 : 216.2
Cars reentry	:	:	:	55	55	:
Motorcycles	:	:	:	:	:	:
<u>Total motor vehicles</u>	:	<u>1085</u>	<u>2615</u>	<u>631</u>	<u>882</u>	<u>1283 : 145.8</u>
	:	:	:	:	:	:
Persons entering via motor vehicles	:	3787	9752	2031	2784	6968 : 250.3
Persons entering via other private transportation	:	:	:	:	:	:
<u>Total persons entering via private transportation</u>	:	<u>3787</u>	<u>9752</u>	<u>2031</u>	<u>2784</u>	<u>6968 : 250.3</u>
<u>OTHER TRANSPORTATION</u>	:	:	:	:	:	:
Persons entering via stages	:	:	:	:	:	:
Persons entering via trains	:	:	:	:	:	:
Persons entering otherwise	:	:	4	:	:	:
<u>Total Other Transportation</u>	:	:	<u>4</u>	:	:	:
<u>GRAND TOTAL ALL VISITORS</u>	:	<u>3787</u>	<u>9756</u>	<u>2031</u>	<u>2784</u>	<u>6972 : 250.5</u>

WEATHER REPORT FOR SEPTINGDALE MONTH OF MAY 1951.

TEMPERATURE.

Mean Maximum	82.4
Mean Minimum	52.3
Mean	62.55
Maximum	95 Date 21
Minimum	40 Date 8

PRECIPITATION.

Total53 inches
Greatest in 24 hours46 inches date 26.

NUMBER OF DAYS

With .01 inch or more precipitation, 2
Clear, 19; partly cloudy, 2; cloudy, 10.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Zion National Park for the Month of May, 1931.

	This Month		This Month Last Year	
	App.	Non-App.	Appointed	Non-Appointed
Number of employees beginning of month,	9	21	7	22
Number of additions,	3	37	1	53
Total,	12	58	8	75
Number of separations,	0	20	0	14
Number of employees close of month, . .	12	38	8	61
Number of promotions during month	0	0	0	0
Aggregate amount of annual leave taken,	3	0	0	0
Aggregate amount of sick leave taken,	0	0	0	0
Aggregate amount of leave without pay,	0	0	0	0

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Zion National Park for the Month of May, 1931

	This Year	Last Year
Park revenue on hand beginning of month,	91.00	00.00
Received,	1,331.00	954.00
Total,	1,422.00	954.00
Remitted,	790.00	610.00
On hand close of month,	632.00	344.00

Park revenues received this year to date,	13,122.50
Park revenues received last year to date,	5,110.00
Increase,	8,012.50
Per cent of increase,	157

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

.....Zion..... National Park for the Month of May, 1931......

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date Completion
Road protection, basket dams	50	45	5	Sept. 1
Water system, West Rim Trail	5	0	5	Sept. 1
Woodshed and garage	100	30	70	June 1
Extension water system	25	5	20	July 1
Improvement grounds, Adm. Area	20	20		Sept. 1
Extension sewer system	10	10		Sept. 1