

August 1929

7537 - 29
75 ~~fast year~~

September 9, 1929

The Director,
National Park Service,
Washington, D.C.

Dear Mr. Director:

The following is my report on operations and conditions in Zion-Bryce Canyon National Parks for the month of AUGUST 1929.

General

The month was featured by severe weather conditions throughout Southern Utah and Northern Arizona. Rains were heavy and almost a daily occurrence, and the resulting bad road conditions interfered with travel to a noticeable extent. Twice during the month the Pipe Springs road was closed and it was necessary to send passengers bound for the Grand Canyon around by Cedar City. On the 5th a heavy flood went down the Mukuntuweap River and washed some considerable areas of our valuable level ground on the valley floor.

Heavy storms did heavy damage to roads in the Sevier River Valley, and floods rushing down through washes in Red Canyon, on the main approach road to Bryce, delayed traffic frequently and caused a great deal of damage to culverts and the road surface. With the possible exception of one or two days it rained every afternoon at Bryce Canyon during the month.

Greatest difficulty was experienced by traffic moving across the Kaibab Forest. Due to construction work, it was necessary for traffic to detour in DeMotte Park, and the heavy rains made the area practically a lake at times, and this resulted in much interference with inter-park travel.

As a result of the ample supply of moisture, plants and shrubs have made a very good growth and the ranges are now in the best shape in years. However, the rains of one month cannot repair the damage of 7 years of drought and overgrazing, and conditions are far from normal.

100-Administrative

110 - Status of work - All work is on schedule with the exception of Office Work. During the month Mr. Conner was in the park checking over the park books, and, due to the extra amount of work necessary to put things in shape, regular work fell behind and is now about a month in arrears.

In April I issued instructions that all of our construction jobs would be so programmed that all would be completed by October 1st. In spite of delay in getting started all of the work in both parks is holding to this schedule with the exception of the two residences and substantial progress has been made on these. When winter finally descends on us we will have our entire 1929 program completed and the slate clean for next year. The result is due almost entirely to the good work of Mr. Edwards of the Engineering Division, although all of the park force have cooperated in carrying out the program. It appears that rushing construction work makes for efficiency as it tends to cut down the overhead on these jobs, and gives us opportunity during the slack period in winter to plan our next years operations.

121 - Park Inspections by the Superintendent - During the period from the 1st to 16th I spent most of the time in the office, mostly on getting out the annual report of both parks. I made one trip to Cedar City on the 3rd. On the 16th I made a trip to the North Rim of the Grand Canyon returning to Zion on the 19th. On the 18th I took the aeroplane trip from V.T. Park to the South Rim and return and received one of the real thrills of my life, as did Mrs. Scoyen who accompanied me. From the 20th to 25th I was in Zion on the night of the latter date I went to Salt Lake to attend the conference of the Western Governors at the request of Mr. Albright, and returned to headquarters on the 28th. On the 29th I drove to Cedar City to meet Dr. Eastler, and took him to Bryce on the 30th returning to Zion the same night to meet Mr. Grosvenor Atterbury who arrived on the 31st.

124 - Other Interior Department Officers - On the 30th Dr. Frank Eastler a member of the Educational Advisory Committee of the Secretary of the Interior was in the park for a few hours. He left the same day for Bryce; but intends to return to Zion later for a more detailed study.

125 - Other governmental Officers - Mr. B.J. Finch, District Engineer, U.S. Bureau of Public Roads made an inspection on the 16th, and Mr. W.N. Frickstead of the Regional Office also spent several days on the project starting on the 23rd.

On the 16th Mr. Parker and assistant of the U.S. Bureau of Mines was in the park making a study of air conditions in the tunnel, especially with a view of making recommendations as to whether or ~~night~~ artificial ventilation will be necessary.

130 - Finance and Accounts - Statement is attached.

140 - Labor Situation - At times during the month we have not been able to find enough labor to supply the demand; but on the whole the situation has been very satisfactory. At present we are unable to hire stone masons for work on the new Superintendents residence as the road contractors are using every available man practicing this trade and paying better wages than we are authorized to.

170 - Two men under supervision of Mr. Edwards are engaged in making a topographic map of the area on the rim of Bryce Canyon which will be used as a basis of planning the development, and Mr. Langly, Asst. Landscape Architect has also spent some time making a study of the area.

200 - Maintenance, Improvements, and New Construction

210 - Maintenance - Some heavy maintenance was made necessary during the month by the heavy storms on the roads and trails but no serious situations developed.

230 - New Construction - Work progressed steadily on the Zion-Mt. Carmel Highway during the month. The contractor placed additional timber in the tunnel and made preparations for concrete work. In addition several hundred feet of processed oil surfacing was placed on Section 1.

Bids were opened on August 20th for the construction of the bridges across the Mukuntuweap River and Pine Creek. The Reynolds - Ely Company, Springfield, Co. Mo., were the low bidders with \$136,918.12 compared to the engineers estimate of 155,820.00. Under the time limit set by the contract, the job should be finished in April.

The letting of the above contract will leave only the surfacing on section 3 to be let before the project will be under its final contract.

Work on the Narrows Footpath was practically completed during the month. After the path had been exposed to travel for a time we found that the top course was of slightly too heavy material, and, during September, we will put on another coat of Bitumuls with finer material. This trail brings many favorable comments because of its beauty and utility.

Projects under construction at Zion were: The Narrows footpath, Superintendents Residence, sewer system at Public Auto Camp, horse barn and corral, and the Checking Station. The latter two have been completed.

At Bryce Canyon work was rushed on the horse and foot-trail systems. Other projects were; two comfort stations in Public Auto Camp, residence, water system and sewer system, and a checking station. The latter has been completed.

400 - Flora, Fauna, and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

During the month the ranger force performed their usual work of checking visitors, traffic control, information duty, etc. Due to shortage in personnel we are not able to maintain necessary patrol work over the park. The Chief Ranger spent a considerable part of his time at Bryce Canyon Park.

Statistics regarding Nature Guide Work and Museum Service are attached.

500 - Use of the Parks by the Public

510 - Increase in travel - The total travel for the month was 7917 visitors and increase over last year of 1,059 or 15%. Of the total, 6459 entered in 1851 motor vehicles and increase over last year of 19%, and 1458 came by rail which is a slight increase over last year.

The total travel to Bryce amounted to 6,039 persons of which 4557 came in 1546 autos and 1482 by stage.

Visitors to Zion were registered from 44 states, Dist. of Columbia, Hawaii, Phillipine Islands, and Germany, Canada, Denmark, England, France and Spain.

No doubt bad road conditions had a decided effect in checking motor travel to the southern Utah Parks the past month, and the rather small increases noted were much more than we expected under the conditions.

520 - General Weather Conditions - By reference to the normal we find that the month was 3 deg. above normal from the temperature standpoint, and that the normal amount of precipitation was exceeded by 0.12 inch. These figures are based on Springdale records. However, the rainfall record does not indicate the true conditions as most of the storms passed either above or below this town. The total precipitation at the Park Information Office only 5 miles up the canyon was 3.64 inches compared to 1.90 at Springdale?

In Zion Park the mean temperature was 80, the highest 97 on the 31st and the minimum 61 on the 5th. Precipitation occurred at the station on 11 days.

Comparative records for Zion Park as to weather conditions and Bryce Canyon as to travel figures are not available.

900 - Miscellaneous

On September 18th I made an air trip across the Grand Canyon. Leaving V.T. Park in a tri-motored Ford plane, 16 passenger capacity, I found myself safely landed on the other side in 25 minutes. Sailing over the great gorge so easily made it hard to believe I used to take two full days of struggle on horse-back to make this same trip. It was the first time either myself or Mrs. Scoyen had taken to the air and it was quite a thrill, although I was quite disappointed in finding that you have so sense of height and the thrill you get when looking over a thousand foot cliff does not occur even when sailing over the Colorado River 8,000 feet below you. Everyone who visits the Grand Canyon should fly over it after they have had chance to see it from the ground as it will be a fitting climax to any trip.

On September 26 & 27th, I attended the Conference of the governors of the 11 western states at which time they received a letter from President Hoover proposing to transfer the surface rights to the unreserved Public Domain to the states. In the discussion which followed it was advocated that all of the lands in the states should be owned by the states. However, all of the speakers advocating taking over all of the government lands were careful to exempt the National Parks. Apparently ~~it was recognized that~~ the word "National" was taken for its literal meaning in connection with the parks; but was not considered entirely appropriate as applied to the National Forests. In his talk on the Public Land problem Gov. Dern of Utah made the statement, "We have the highest admiration for the personnel and work of the National Park Service". Only one other proposal as affecting the National Parks was made which may be of interest and that was the proposal that the National Park Service loan its road equipment for the building of airports in and near the National Parks. This was made by J.D. Wood, Commissioner of Public Works of Idaho in his talk on Coordination of Highways and Airways.

This concludes my report.

E.T. Scoyen.
Superintendent.

TRAVEL REPORT BY STA		FOR THE MONTH OF AUGUST 1929.		NATIONAL PARK, UTAH.	
STATES	CAR	PASSENGERS	STAGE	MISC	TOTAL PASS.
Alabama	2	7	3	0	10
Arizona	33	118	1	0	119
Arkansas	6	20	0	0	20
California	608	1794	111	1	1905 112
Colorado	44	114	17	0	131
Connecticut	4	12	14	0	26
District of Columbia	3	10	12	0	22
Florida	4	14	6	0	20
Georgia	1	2	9	0	11
Idaho	29	102	0	0	102
Illinois	49	145	136	0	281
Indiana	15	55	32	0	87
Iowa	21	67	9	0	76
Kansas	20	61	2	0	63
Kentucky	6	18	16	0	34
Louisiana	1	2	3	0	5
Maine	0	0	9	0	9
Maryland	1	4	20	0	24
Massachusetts	12	36	88	0	121
Minnesota	12	34	13	0	47
Mississippi	0	0	2	0	2
Michigan	25	69	40	0	109
Missouri	28	72 63	1	0	68
Nebraska	23	74	26	0	100
Nevada	43	166	0	0	166
New Hampshire	0	0	6	0	6
New Jersey	8	23	89	0	112
New Mexico	2	6	5	0	11
New York	29	91	163	0	254
North Dakota	4	12	0	0	12
North Carolina	1	2	1	0	3
Ohio	33 33	93	129	0	222
Oklahoma	17	66	5	0	71
Oregon	12	31	3	0	34
Pennsylvania	15	93	129	0	222
Rhode Island	2	8	5	5	8
South Dakota	3	7	0	0	7
Tennessee	3	8	2	0	10
Texas	32	115	9	0	124
Utah	621	2668	214	2	2884
Vermont	0	0	5	0	5
Virginia	0	0	10	0	10
Washington	17	41	11	0	52
Wyoming	2	5	5	0	10
Wisconsin	16	51	13	0	64
Germany	0	0	6	0	6
Canada	9	34	7	0	41
Hawaii	2	8	3	0	11
Denmark	1	2	0	0	2
Philippean Islands	1	2	2	0	4
England	0	0	2	0	2
France	0	0	3	0	3
Spain	0	0	1	0	1
Total for the month	1851	6459	1455	3	7917

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TRAVEL REPORT

..... Bryce ~~X I E H.~~ National Park for the Month of ~~AUGUST~~ 1929.....

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Per cent

PRIVATE TRANSPORTATION:

Cars first entry.	1542	4647				
Cars reentry.						
Motorcycles.	4	4				
Total motor vehicles.	1546	5651				
Persons entering via motor vehicles.	4553	13350				
Persons entering via other private transportation.	4	4				
Total persons entering via private transportation.	4557	13354				

OTHER TRANSPORTATION:

Persons entering via stages	1482	4473				
Persons entering via trains						
Persons entering otherwise.				2		
Total other transportation.	1482	4475				
GRAND TOTAL ALL VISITORS.	6039	19829				

	This Year	Last Year	Increase	
			Number	Per cent

Automobiles in public camps during month
 Campers in public camps during month

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TRAVEL REPORT

AUGUST

Z I O N. National Park for the Month of ~~SEPTEMBER~~ 1929

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Per cent
<u>PRIVATE TRANSPORTATION:</u>						
Cars first entry.	1731	6703	1472	6220	483	7%
Cars reentry.	117	909	75	387	522	
Motorcycles.	3	9		13	4	44%
Total motor vehicles.	1851	7621	1547	6620	1001	15%
Persons entering via motor vehicles.	6356	25142	5369	22243	2899	13%
Persons entering via other private transportation.	3	12		18	6	50%
Total persons entering via private transportation.	6359	25154	5369	22261	2899	13%
<u>OTHER TRANSPORTATION:</u>						
Persons entering via stages	1455	4542	1478	3887	413	27%
Persons entering via trains						
Persons entering otherwise.	3	31	11	42	9	21%
Total other transportation.	1458	4573	1488	3929	644	16%
GRAND TOTAL ALL VISITORS.	7917	29727	6858	26190	3537	13%

	This Year	Last Year	Increase	
			Number	Per cent
Automobiles in public camps during month	480	609	129	20
Campers in public camps during month	1987	1807	180	9

WEATHER REPORT FOR THE MONTH OF AUGUST 1929 .

AT ZION

Mean Maximum..... 95
Mean Minimum..... 65
Mean..... 80
Maximum..... 97 on the 31st
Minimum..... 61 on the 5th
PRECIPITATION:
Total..... 3.64 inches
Greatest in 24 hours..... 1.40 inches on the 5th
Number of days
With .01 or more inches of precipitation 11
Clear 7- Part Cloudy 5- Cloudy 19-

AT SPRINGLALE

Mean Maximum..... 94
Mean Minimum..... 68
Mean..... 81
Maximum..... 101 on the 13th
Minimum..... 61 on the 9th
PRECIPITATION:
Total..... 1.90 inches
Greatest in 24 hours..... .91 inches
Number of days-
With .01 or more inches of precipitation... 9
Clear 7- Part Cloudy 5- Cloudy 19

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REPORT OF SALES OF PUBLICATIONS

	Number	Value
<u>GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month,	125	\$ 125.00
Received during month,	100	100.00
Total,	225	\$ 225.00
Sold during month,	136	136.00
On hand at close of month,	89	\$ 89.00

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,	none
Sales during month,	\$ 136.00
Total,	136.00
Remitted during month,	\$ 136.00
Balance,	none

STATUS OF APPROPRIATIONS.

AUGUST, 1929.

	<u>Allotment</u>	<u>Expended</u>	<u>Balance</u>
<u>48/9435 Zion National Park 1928-29</u>			
Previously reported	40,675.00	39,110.23	1,564.77
Transactions during month		<u>1,325.24</u>	
Status end of month	<u>40,675.00</u>	40,435.47	<u>239.53</u>
<u>49/0435 Zion National Park 1929-30</u>			
Previously reported	36,645.00	5,977.18	30,667.82
Transactions during month		<u>5,972.15</u>	
Status end of month	<u>36,645.00</u>	11,949.33	<u>24,695.67</u>
<u>49/0416 Bryce National Park 1929-30</u>			
Previously reported	23,795.00	1,331.34	22,850.24
Transactions during month		<u>6,575.52</u>	
Status end of month	<u>23,795.00</u>	7,906.86	<u>15,888.14</u>
<u>4x436 Roads and Trails, Zion</u>			
Previously reported	1,483,700.00	1,038,110.63	480,236.67
Transactions during month	RE 2,131.87	<u>42,221.21</u>	
Status end of month	<u>1,481,568.13</u>	1,080,331.84	<u>401,236.29</u>
<u>4x436 Roads and Trails, Bryce</u>			
Previously reported	5,500.00	130.00	5,370.00
Transactions during month	<u>2,000.00</u>	<u>2,230.05</u>	
Status end of month	7,500.00	2,360.05	<u>5,139.95</u>
<u>48/9405 Emergency Recon. & FTF</u>			
Previously reported	1,666.75	1,192.15	474.60
Transactions during month		<u>474.60</u>	
Status end of month	<u>1,666.75</u>	1,666.75	<u>000.00</u>

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STATUS OF PERSONNEL

ZION & BRYCE CANYON National Park for the Month of AUGUST, 1929.

	This Month	This Month Last Year
Number of employees beginning of month,	57	30
Number of additions,	39	5
Total,	96	35
Number of separations,	15	10
Number of employees close of month, . .	81	25

Number of promotions during month _____ None _____

Aggregate amount of annual leave taken, _____ None _____

Aggregate amount of sick leave taken, _____ None _____

Aggregate amount of leave without pay, _____ None _____

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REPORT OF PARK REVENUES

ZION & BRYCE CANYON National Park for the Month of AUGUST, 1929.

	This Year	Last Year
Park revenue on hand beginning of month,	---	---
Received,	933.00	736.00
Total,	933.00	736.00
Remitted,	933.00	736.00
On hand close of month,	---	---

Park revenues received this year to date,	\$5,977.50
Park revenues received last year to date,	1,545.00
Increase,	4,432.50
Percent of increase,	300

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STATUS OF AUTHORIZED PROJECTS

ZION & BRYCE CANYON... National Park for the Month of AUGUST, 1929.

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date of Completion
<u>Zion</u>				
Superintendent's residence	25	10	15	Nov. 1
Barn and Corral	100	10	90	
Narrows Trail	100	5	95	
Camp Ground Sewer System	90	80	10	Sept. 15
<u>Bryce</u>				
Comfort Stations	80	55	25	Oct. 1
Checking Station	80	70	10	Oct. 1
Sewer System	20	20	00	Oct. 15
Water System	5	5	00	Oct. 15
Horse Trail	100	10	90	
Foot Trails	15	10	5	Oct. 15