

March 1935
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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Zion NATIONAL PARK

FILE NO.

MONTHLY REPORT FOR MARCH, 1935

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ARNO B. CAMMERER,
Director.

March 1935

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

April 10, 1935

The Director
National Park Service
Washington D. C.

Dear Mr. Director:

This is my report of conditions and activities in Zion and Bryce Canyon National Parks and Cedar Breaks National Monument during the month of March, 1935.

000 General

010 Introductory

The month of March, 1935, should be marked down in our history notes as the red letter month on account of the virtual completion of emergency needs for stream protection in Zion National Park. The need for stream protection work was recognized and actual work begun some nine or ten years ago and has proceeded intermittently since that time. With the availability of large emergency funds to combat the depression, we have gained such a favorable position to carry this work forward rapidly by Public Works, Emergency Conservation Work, and other means, that today we are far ahead of our original program, and all emergency needs for stream protection are now met. In the past we have dreaded the approach of torrential storms on account of potential damage to valuable lands and improvements, but today we welcome such storms for the satisfaction derived from observing the fine way in which our work performs. Much of the scenic value of Zion Canyon is given by the vegetative cover on the floor of the valley, and there are numerous areas which are unspoiled today because of stream protection work completed in the past.

020 General Weather Conditions

These areas have been favored with continuation in March of the storms experienced throughout the winter. From November 1 to March 31 we have had a total of 9.35 inches of precipitation, as compared with 5.48 for the preceding winter in Zion National Park. Increases in precipitation this winter are proportionate at Bryce and Cedar Breaks.

Chief Ranger Jolley and Naturalist Assistant Keller measured the snow in Cedar Breaks and Duck Creek on the 26th, and Harris Flat on the

27th. Measurements were as follows:

Cedar Breaks: Depth of snow, 68.7 in.; Water content, 23.1 in.
Duck Creek: Depth of snow, 59.8 in.; Water content, 20.5 in.
Harris Flat: Depth of snow, 47.0 in.; Water content, 14.1 in.

From a point known as Zion View on the Cedar Breaks Road, one can look over the entire plateau south of Cedar Mountain, including Zion Park. It looks from that point that there is a great deal of snow as far south as the southern end of Zion. Probably the snow is deeper on the west rim and the Kolob plateau. Huge drifts, 20 feet or more in depth, are piled up along the rim of Cedar Breaks. The lodge and cabins are almost completely covered. The snow averaged 16 inches deeper on the level than it did last month, and the water content increased more than eight inches between the February and March measurements.

100 Administrative

120 Park Inspections

121 By Superintendent. On March 16 I drove to American Fork where I attended the spring meeting of the Timpanogos Cave Committee for preparing plans for operations and publicity for the coming season, and continued on to Salt Lake City the same evening. In Salt Lake I consulted several state and federal officials on various park matters. A meeting of highway officials had been scheduled for Monday, but was postponed because of Engineer Finch's inability to attend. I started back to the park on Monday evening but was forced to stop over night at Beaver because of a blinding snowstorm, and so returned to the park at noon on Tuesday. On the 23rd I went to Lehman Caves National Monument to inspect E.C.W. projects and check over arrangements for the planned visit on the following day of several members of the Associated Civic Clubs of Southern Utah. I returned to Milford for the night, attended the Sunday forenoon session of the Associated Civic Clubs meeting, returning to the park on Sunday afternoon. On the 26th I drove to Richfield and on the following day, in company with President Martinez and Secretary Carr of the Associated Civic Clubs and Bishop Pectol of Torrey, visited the outskirts of the proposed Wayne Wonderland National Monument, and assisted the above named in defining and describing the boundaries of the proposed monument. I returned to Zion Park on the 27th.

122 By Special Field Representatives. Mr. Frank Cullley, Regional E.C.W. Inspector of the National Park Service, Denver, Colorado, was a visitor at Zion Park for preliminary investigation of a proposed sub-marginal land project on the 22nd.

125 By Other Governmental Officers. Mr. James C. Reddoch, E.C.W. Inspector from Mr. Fechner's office, on March 18 inspected our two C.C.C. camps and several of our work projects.

150 Equipment and Supplies

Several articles of heavy equipment have been ordered for us through the Chief Engineer's office, including a gravel screen plant for our crusher, and a trailer for power shovel.

170 Plans, Maps, and Surveys

Engineering has been done by the park engineer, an E.C.W. instrumentman, two E.C.W. rodmen, and a P.W. rodman, all assigned from Field Headquarters. Additional assistants in office and field are enrolled C.C.C. men. Landscape Architect A. M. Doerner is directing landscaping.

Surveys for boundary fence have been continued in Parunuweap Canyon and across Shones Creek, also on west boundary of the park. Surveys are being continued on the east rim truck trail and on the Parunuweap administrative trail. It has not been possible to work continuously on these surveys due to snow. The two field parties have completed various unfinished surveys on the floor of the valley and checked the monument system undertaken by C.W.A. Topographic sheet has been made of temporary employees cabin area in Oak Creek. Location survey was made for the foot bridge leading from south entrance area across the Virgin River.

The office force has been busy preparing detail drawings, estimates, and bills of materials for construction projects and preparing maps of completed projects and data for master plans.

180 Circulars and Bulletins

One bulletin relating to road information, and one news release relating to snow surveys at Cedar Breaks, were issued. Copies are attached.

200 Maintenance, Improvements, and New Construction

210 Maintenance

Zion. Some cleanup of gutters was done. There has been considerable rock and earth sliding from bank slopes in the valley and below the tunnel. The road sloping just completed above the tunnel has eliminated this cleanup. Snow was plowed from the roads one day during the month. Workmen are filling the joints and cracks in the tunnel pavement and repainting the center stripes.

Some settlement is taking place in the heavy fill on the highway immediately below Red Point about one-half mile below the Temple of Sinawava. Settlement occurred here in the past, and a year ago the Bureau

placed a surface patch on part of the section. Some longitudinal cracks are developing in a section about 200 feet in length, resulting in the outer half of the roadway being an inch or more below the level of the inner section. The settlement has not been sufficient to be dangerous to traffic or to make a poor riding roadway. The entire width of the roadway shows a general settlement. There is a low area averaging about twenty feet in width between the road and the slope above which gathers water and is partly the cause of the settlement. The condition of this section has been reported to the Bureau.

Bryce. Snow was removed from highways north of Bryce Point since the last storms, and these roads are now open but are wet and provide poor travel way.

230 New Construction

Public Works

A program of minor roads and trails projects for allotment from the pending relief bill was submitted to your office for all five areas under administration of this office. There has been received from your office a list of the physical improvement projects for these areas recommended to the Public Works Administration. In addition, we are now preparing a supplemental program of physical improvements for consideration in the event that greater sums are allocated to the National Park Service than anticipated.

Except for a few small finishing items, our old Public Works program is complete, and we are ready to undertake a new one.

Emergency Conservation Work

Bridge Mountain Camp NP-4

The strength of the camp for the most part of March was from 200 to 209. On March 25, seventy-one men were discharged, and on March 31 the strength of the camp was 129.

Camp overhead	24	
Special duty	11	
Detached service	9	(29th, last working
Sick report	6	day of month.)
On leave	2	
Released for construction . .	77	

On Saturday, March 16, a track meet was held in St. George. Companies nearby, including Bridge Mountain Camp NP-4, participated in the various contests. On Saturday, 23rd, a dance was given in the camp in honor of the 71 men to be discharged. Trucks were sent to towns within a radius

of 25 miles for girls, and quite a crowd of well-chaperoned girls was collected. Refreshments were served by the Army and a nice, orderly evening was spent. Quite an interest is being taken in athletic sports and educational work.

On March 11 W. Drew Chick Jr. was added to the National Park personnel as Forestry Foreman.

The foremen and facilitating personnel completed their training in First Aid and all passed the examinations, receiving good grades.

Road Sloping, 53b. The sloping from the east entrance to the east portal of the tunnel was completed and the road sloping on the floor of the valley started at the Temple of Sinawava. As fast as the sloping is completed, the slopes are being planted with penstemon and grape. The planting is in charge of Forestry Foreman W. D. Chick. At this date 1400 shrubs have been planted and 850 cubic yards of material moved.

Administration Trail, 14a. The trail has been completed for 17,000 feet, or from the bridge near the administration building to the notch near the mountain top, and work on this project was discontinued to allow the engineers to make a further study of the alignment.

Utility Buildings, 23. The warehouse is complete and occupied. On the machine shop the masonry is complete and the woodwork 50 per cent complete. The loading platform is complete and the equipment shed 10 per cent complete.

Temple of Sinawava Comfort Station, 24. This project is practically complete. Work is being held up at present because of delay in delivery of materials.

Zion Park Camp D-NP-2

The strength of the camp averaged 173 men.

General Cleanup, A-14-11. Ten cords of wood hauled from south area of park to utility area and 25 cords sawed into stove wood lengths.

Truck Trail, A-9-13a. One mile of right of way cleared.

Minor Road Construction, A-1-13b. One hundred cubic yards of gravel screened, oversize crushed and placed as surfacing on campground roads.

Campfire Lecture Circle, A-1-27. Two hundred and ten lineal feet of four inch curbing, 49 lineal feet of stone steps, 27 stone blocks, 85 stone bench supports, 17 cubic yards of building stone, and 305 square

yards of flagging stone quarried, dressed, and placed. Twenty cubic yards of excavation and 180 cubic yards of fill hauled from incinerator pit; one and one-half cubic yards of concrete poured; 12 cubic yards gravel surfacing on walls; 60 feet of conduit placed. This project is practically complete.

Campground Fireplaces, A-1-28. Four small and one large fireplaces were built.

Boundary Fence, A-10-29. One and three-fourths miles of boundary fence, consisting of four barbed wires on cedar posts cut near the park spaced 12 feet centers, completed this month. Three miles of temporary truck trail made to get fence material on west boundary of park.

Forestation, Planting, A-1-34. Thirty-five combination culverts and drops placed; 70 concrete headwalls poured; and 420 lineal feet of small irrigation ditches dug in south entrance campground area. One and one-half miles of irrigation ditch cleared; 70 lineal feet of ditch riprap placed at cafeteria, and culvert placed across service station road.

Cribbing, A-2-52a. Two hundred and sixty-six loads of crib rock quarried; 202 lineal feet of basket dam constructed; 435 lineal feet of toe dam placed; and 280 cubic yards of backfill placed. This project has been completed.

Landscaping, A-11-53a. Three lawns planted in Oak Creek residential area; 26 trees planted in Utah Parks Company utility area; 100 small plants placed in east entrance checking station island, and some trees planted at east entrance employees residence; ten trees planted at south entrance checking station where roadway was widened; thirty loads of weathered stone placed in south entrance campground; and some planting done in upper residential area.

Educational and Wildlife Research, A-4. One experimental plot constructed in Parunuweap, and investigations continued.

240 Improvement of Approaches to Park

Contractor, on March 21, resumed operations on his project of oil surfacing the Zion-LaVerkin Junction road. It is expected the project will be completed in April. This will be a source of much gratification to us, as there was considerable difficulty experienced by visitors last year in travelling over this road. When completed, Zion will be accessible over hard surfaced road from Salt Lake City, Los Angeles, and all other points of the compass.

The quarter mile of the Zion-Mt. Carmel Highway under reconstruction at Coal Hill has been in poor condition and at times negotiable only with difficulty. It was found necessary to report the condition to the State Highway Commission.

The three miles of road east of Red Canyon on which reconstruction was begun last fall and work suspended for the winter became in very poor condition. Following our report of the condition to the State Highway Commission it was bladed and is now in good shape.

300 Activities of Other Agencies

310 Public Service Contractors

After the middle of the month the patronage of the Zion cabin camp began picking up, and by the close of the month there were occasional nights when every cabin was filled. It became necessary to put on two more employees to handle the business. We are all much encouraged by the increase in business, which has proven the need for accommodations throughout the year.

The park operator has begun the demolition of the old cabins and the cleanup of the Wylie Camp.

Approval has been received to the Company's plan for an illuminated sign at the cafeteria. There is an evident need for this sign at night after the checking station is closed.

313 Schedule of Rates

A revised schedule of tour rates has been submitted for approval. The revision is made necessary by the plan to reverse the direction of the tours this year.

314 Complaints

One complaint was made as to inadequate toilet facilities at the Temple of Sinawava. The modern comfort station now under construction as an E.C.W. project, which is nearing completion, will obviate this sort of complaint.

A verbal complaint was made as to inadequate signs, i.e., we have directional signs to the lodge, but we do not state that the lodge is closed. It is expected that the illuminated sign to be placed at the cafeteria will assist the late arrivals in locating accommodations.

Another visitor was disturbed because of the upper campground not being available for camping, and he did not desire to camp at the south entrance campground.

400 Flora, Fauna, and Natural Phenomena.

410 Naturalist and Guide Service

Park Naturalist Presnall spent the period March 1 to 14 at the Berkeley Educational Headquarters, as outlined below; was absent from duty on annual leave March 15 to 30, and returned to duty on the 31st, commencing his return trip to Zion.

While on vacation, the following places and people were visited:

Casa Grande National Monument.

Boyce Thompson Arboretum, Superior, Arizona.

Gila Pueblo, Globe, Arizona. Here several hours were spent with Dr. E. W. Haury in studying recent Hohokam finds from the Snaketown excavation.

Carlsbad Caverns National Park.

Laboratory of Anthropology, Santa Fe, New Mexico.

Dr. H. P. Mera kindly explained the research and data compiling methods used at the laboratory. Mr. Nusbaum was absent at the time.

Mesa Verde National Park, where Assistant Director Tolson and party were met.

Petrified Forest National Monument.

Grand Canyon National Park.

Yosemite National Park.

420 Museum Service

With the aid of from 3 to 8 men (chiefly E.C.W.) the program of museum work which Mr. Presnall has been doing at Berkeley was completed as planned. One key map was completed, and a crew was trained to complete the remaining 16 maps, on which work had progressed to the following point by March 14:

1 map complete except for lettering, varnishing, and title plaque.

1 map with all rock and vegetation colors on.

3 maps with all rock colors except Shinarump and Temple Cap.

1 map with about 1/3 of the rock colors on.

10 maps with all remodeling and recasting complete, and primed with 2 coats of shellac; ready for painting.

16 maps "on the assembly chain"

1 key map complete

17 total, representing about 170 man days of labor.

In addition to the map work, two days were spent in preparing additions to the Zion and Bryce educational plans for the master plan; and one day was spent with Frank Rose, of the California Academy of Sciences, inspecting the new African Hall at Golden Gate Park, and learning of new developments in museum technique.

Much spare time was spent in the study of birds and mammals at the Museum of Vertebrate Zoology, where Dr. Grinnell kindly provided desk room.

Also Dr. Chaney, head of the department of paleontology at the University of California, was interviewed concerning Zion geology. He became interested in the possibilities of the region, and hopes to send a graduate student to Zion to study the Chinle formation, which has not as yet received detailed study.

Dr. Essig, of the department of entomology also expressed interest in Zion as a possible location for his summer course in field entomology.

470 Animals

Zion

On March 6 I found a dead buck deer near the waterfalls in the Wylie camp. An investigation was made and it was decided that the buck had been killed either by a cougar or a bobcat. Marks on its flanks and throat indicated a cougar kill. The antlers were taken by Foreman Gordon Croft and will be properly mounted by a taxidermist.

On the morning of the 23rd the chief ranger rescued a porcupine which had been stranded on a rock in the center of the river at the Temple of Sinawava.

Deer started shedding their antlers during the month; the first was discovered by Ranger Schiefer on the 12th in Oak Creek Canyon. Deer seem to be in much better condition this spring than they were last year. Cougar tracks were seen in the Temple of Sinawava and on the West Rim Trail.

While on a patrol trip over Cedar Mountain, the following animals, or indications of their presence, were noted: Coyote, bobcat, squirrels, and porcupine; and many species of birds.

Bryce

Bird life has been very plentiful in the canyons during the month. During the past week songs of birds can be heard anywhere along the rim.

No signs of deer have been seen on the rim, and very few signs in the canyons. Toward the mouths of the canyons rabbits, squirrels, chipmunks, rats, and other small animals have been busy hunting food and enjoying the sunshine for the past two weeks. Several chipmunks were seen running around on top of the snow, probably looking for dry ground. A porcupine has been spending some time behind the deluxe cabins during the month.

500 Use of Park Facilities by the Public

510 Decrease in Travel

Zion

The month of March marked the first month of decrease in travel that we have had for several months. The 1,670 visitors represents a decrease of 22.3 per cent under March of last year. Unfavorable weather conditions, and the very poor condition of one-quarter mile of road under reconstruction at Coal Hill on the Zion-Mt. Carmel Highway, are in the main responsible for the decrease, we believe.

Bryce

Following the clearing of the approach and entrance roads, a few visitors were received each day. It is estimated that a total of 70 cars and 290 visitors entered the park.

530 Visitors

1st. Mr. Carrol Payne, F.E.R.A. Sanitary Engineer, Salt Lake City.

6th. Mr. H. L. King, Superintendent of Livestock, Indian Service, Gallup, New Mexico.

12th. R. R. Monbeck, U. S. G. S., San Francisco, California. Mr. Monbeck is making a topographical survey of Grand Canyon National Monument.

12th. Mr. C. L. Forsling, Director of Intermountain Forest and Range Experiment Station, Ogden, Utah, who has been transferred to Ashville, North Carolina, and will be Director of the Appalachian Forest Experiment Station.

13th. Captain D. L. Harford, and Lieutenant C. P. Blake, C. C. C. Camp at Veyo, Utah.

14th. Mr. G. T. C. Smith, British Vice Consul, Detroit, Michigan.

22nd. Mr. W. R. Wallace, Colorado River Water Commissioner, Salt Lake City.

22nd. Mr. David H. Smith, Commissioner of Agriculture, Salt Lake City.

600 Protection

610 Police Protection

Ranger Russell was away from the park the last week on annual leave. He and Ranger Schiefer checked in the south entrance station during the month.

A trial was held in the Bridge Mountain Camp for two days, Alvin Ferguson, and Warren Theade, who had broken into the apartment of Mrs. Mary Duvan of Springdale and taken certain articles of jewelry. The jewelry was recovered and the boys given dishonorable discharges. Dr. Schrank, Army doctor, was found negligent with regard to keeping his dog under leash in the park. The matter was taken up with him and Captain Whitney, and the dog has not been seen loose since.

Some one maliciously cut four wires on the boundary fence north of Rockville. Investigations are under way to find out who is guilty. An electric light globe was taken from the tent occupied by Landscape Architect Doerner while he was absent.

900 Miscellaneous

Fruit trees in Utah's Dixie began blooming about the middle of March. The farming sections are now verdant. It is estimated that spring is one or two weeks late this year.

Everett Ruess, the young artist mentioned in last month's report, is still missing. Several searching parties from Escalante have been out during the entire month, but have met with no success.

Mr. A. C. Folster, who has been supervisor of La Sal National Forest for eight years has been transferred as supervisor of the Powell National Forest, with headquarters at Panguitch, replacing former Supervisor Riddle, who has retired.

Very truly yours,

P. P. Patraw
Superintendent

MEMORANDUM FOR THE PRESS

Large Gains Reported in Snow Storage on Cedar Mountain

Zion National Park. March 00, 1935. On his return to Zion National Park from a monthly survey of snow conditions at Cedar Breaks National Monument and over Cedar Mountain, Chief Ranger D.J. Jolley announced that much snow had piled up since his previous monthly survey in February. That March has been a stormy month in Southern Utah is shown by the fact that the snow depths at Cedar Breaks increased from 52.2 inches with a water content of 15 inches to 68.75 inches with a water content of 23.15 inches. the March survey also measured 66 inches of snow and 20.5 inches of water content at Duck Creek, and 40.75 inches of snow and 14.1 inches of water content at Harris Flat.

These measurements are the average over regular snow courses. Drifts are much deeper.

The cabins at Cedar Breaks Lodge were completely buried under snow, and the lodge building itself was obscured except for the entrance porch and at the corners where the winds had whipped the snow away.

Cedar Breaks and Duck Creek are in the Sevier River, and Harris Flat is in the Virgin River drainage basins.

- The end -

P. P. Patraw, Superintendent
Zion National Park, Utah
March 28, 1935

INFORMATION BULLETIN

DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Zion and Bryce Canyon National Parks
Cedar Breaks National Monument
P. P. Patraw, Superintendent

March 20, 1935

Roads

All roads to Zion National Park are open and maintained in good condition. The route through the park connecting U. S. 91 and U. S. 89 is hard surfaced except for five miles of gravel east from LaVerkin Junction, and one-quarter mile at Big Meadow Bridge where grade improvement work is in progress.

U. S. 89 south via Jacob Lake and Navajo Bridge to Flagstaff and the South Rim of Grand Canyon is open and in good condition.

The road from Bryce Junction on U. S. 89 to Bryce Canyon National Park and the roads inside the park to Sunset, Inspiration, and Bryce Points have been cleared of snow and are open to travel, and will be kept open continuously during the remainder of the spring except for a short time immediately following any storms that may occur in this period.

The road over Cedar Mountain and to Cedar Breaks National Monument is closed by snow and will probably remain closed until the latter part of May or the first of June.

Accommodations

Zion

Cafeteria and Housekeeping Cabins. Cabins at \$2.00-\$2.25 for one or two persons, \$2.75 for three or four; bed linen and blankets, 50¢ per bed extra; meals, either cafeteria or a la carte, average from 35¢ to 85¢ each. This is the first year that such accommodations have been available within Zion National Park during the winter.

Public Camp. New Zion campground located near cafeteria and south entrance. Wood, water, tables, individual campsites, and fireplaces furnished free; modern comfort station.

Bryce

Satisfactory accommodations may be obtained at Ruby's Inn, immediately outside the park on the approach road. Accommodations within the park will not be open until the latter part of May.

Auto entrance fee to Zion, \$1 per car.

It is now springtime in Zion and an excellent time for motorists to visit the park. Motorists are urged to plan at least an over-night stop here.

Travel report by states for the season to date March 31, 1935. (Zion).

States	1935					Total 1934.	
	Cars	Pass.	Stage	Misc.	Total Pass	Cars	Pass.
Alabama	2	8	0	0	8	0	0
Arizona	227	688	0	1	689	125	344
Arkansas	2	9	0	0	9	0	0
California	1240	3245	3	0	3248	938	2492
Colorado	97	263	0	3	266	57	167
Connecticut	4	11	0	0	11	5	13
Dist. of Columbia	15	44	0	0	44	6	14
Florida	9	29	0	0	29	0	0
Georgia	1	2	0	0	2	1	3
Idaho	129	450	0	2	452	64	188
Illinois	43	107	0	0	107	26	69
Indiana	13	44	0	0	44	8	20
Iowa	29	90	0	0	90	7	13
Kansas	8	19	0	0	19	2	3
Kentucky	1	3	0	0	3	1	1
Louisiana	1	4	0	0	4	1	2
Maine	3	11	0	0	11	1	2
Maryland	2	4	0	0	4	4	10
Massachusetts	15	33	0	0	33	5	7
Michigan	20	52	0	0	52	14	40
Minnesota	23	57	0	0	57	9	20
Mississippi	2	3	0	0	3	1	2
Missouri	15	37	0	1	38	5	14
Montana	67	170	0	0	170	31	83
Nebraska	27	84	0	6	90	8	26
Nevada	85	246	0	0	246	64	178
New Hampshire	4	11	0	0	11	1	2
New Jersey	10	28	0	1	29	9	24
New Mexico	28	68	0	0	68	13	33
New York	34	84	1	1	86	23	60
North Dakota	11	28	0	0	28	1	6
North Carolina	3	13	0	1	14	1	2
Ohio	20	47	0	0	47	16	42
Oklahoma	11	38	0	0	38	7	18
Oregon	31	81	0	0	81	17	44
Pennsylvania	22	54	0	0	54	10	26
Rhode Island	4	11	0	0	11	1	2
South Dakota	11	30	0	0	30	4	11
Texas	18	37	0	0	37	15	45
Utah	1919	6023	2	14	6039	2013	6305
Vermont	1	3	0	0	3	2	4
Virginia	1	2	0	1	3	0	0
Washington	60	155	0	0	155	29	67
Wisconsin	15	34	0	0	34	9	21
West Virginia	0	0	0	0	0	1	2
Wyoming	43	128	0	0	128	29	88

Continued:

Alaska	1	2	0	0	2	0	0
Australia	1	4	0	0	4	0	0
Brazil	0	0	0	0	0	1	2
Canada	16	44	0	0	44	9	29
Canal Zone	1	2	0	0	2	2	5
Central America	0	0	0	0	0	0	0
China	2	9	0	0	9	0	0
Cuba	1	2	0	0	2	0	0
England	4	8	0	0	8	0	0
Germany	0	0	0	0	0	2	2
Hawaii	6	15	0	0	15	1	2
Holland	0	0	0	0	0	1	1
Mexico	2	7	0	0	7	2	6
Norway	1	2	0	0	2	0	0
Palestine	1	4	0	0	4	0	0
Totals	4362	12687	6	31	12724	3602	10560

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF NATIONAL PARKS,
BUILDINGS, AND RESERVATIONS

TRAVEL REPORT

..... ZION National Park for the month of March 1935

	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,	546	3848	619	3041	807	26.5	Inc
Cars reentry,	44	512	130	557	45	8.079	Dec
Motorcycles,		2		4	2	50.	Dec
Total motor vehicles,	590	4362	749	3602	760	21.09	Inc
Persons entering via motor vehicles,	1667	12683	2278	10527	2156	20.48	Inc
Persons entering via other private transportation,		4		5	1	20.	Dec
Total persons entering via private transportation,	1667	12687	2278	10532	2155	20.46	Inc
<u>OTHER TRANSPORTATION:</u>							
Persons entering via stages,	1	6	0	1	5	500.	Inc
Persons entering via trains,							
Persons entering otherwise,	2	31	0	27	4	14.81	Inc
Total other transportation,	3	37	0	28	9	32.14	Inc
GRAND TOTAL ALL VISITORS,	1670	12724	2278	10560	2164	20.49	Inc

	This Year	Last Year	Increase	
			Number	Percent
Local travel, month- 76 cars, 313 People				
Local travel, season- 418 cars, 1606 People				
Automobiles in public camps during month,	7	85	78	91.88 Dec
Campers in public camps during month,	25	204	179	87.74 Dec

ZION NATIONAL PARK

WEATHER REPORT

March 1935

TEMPERATURE

Mean maximum	59.35
Mean minimum	35.87
Mean	47.61
Maximum	76 on 13, 14, 29
Minimum	24 on 10

PRECIPITATION

Total for month	2.34 in.
Greatest in 24 hours	2.08 on 3

SNOWFALL

Total	6.5 in.
On ground 15th	None
On ground 31st	None

NUMBER OF DAYS

With .01 or more precipitation	9
Clear	16
Partly cloudy	7
Cloudy	8

ALLEN T. STRUNK
Observer

BRYCE CANYON NATIONAL PARK

Weather Report

March 1935

TEMPERATURE

Mean maximum	35.4
Mean minimum	13.3
Mean	24.3
Maximum	49 on 29-31
Minimum	-7 on 5th

PRECIPITATION

Total for month	4.17 in.
Greatest in 24 hours	1.45 in.

SNOWFALL

Depth of snow March 1	26 in.
Snowfall during month	39 in.
Depth of snow March 15	33 in.
Depth of snow March 31	23 in.

NUMBER OF DAYS

Clear	18
Partly cloudy	6
Cloudy	7

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 March, 1935

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
Number of employees beginning of month	54	5	25	160
Number of additions	1	16	00	00
Total	55	21	25	160
Number of separations	1	11	1	82
Number of employees close of month	54	10	24	78
Number of promotions during month				
Aggregate amount of annual leave taken	22 3/4		26 1/2	
Aggregate amount of sick leave taken	5 1/2		00	
Aggregate amount of leave without pay	23		00	

No separations account retirement or reduced appropriations.

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Zion National Park for the Month of March, 1935

	This Year	Last Year
Park revenue on hand beginning of month,	269.00	None
Received,	399.00	33.00
Total,	668.00	33.00
Remitted,	565.00	27.00
On hand close of month,	103.00	6.00
Park revenues received this year to date,		13,859.00
Park revenues received last year to date,		9,131.70
Increase,		4,727.30
Per cent of increase,		51.77

10-161
(Sept. 1933)

DEPARTMENT OF THE INTERIOR
OFFICE OF NATIONAL PARKS,
BUILDINGS AND RESERVATIONS

REPORT OF SALES OF PUBLICATIONS

Zion National Park, Utah

	Number	Value
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GOVERNMENT PUBLICATIONS:

On hand beginning of month, **NONE**

Received during month,

Total,

Sold during month,

On hand at close of month,

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,

Sales during month,

Total, **NONE**

Remitted during month,

Balance,

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF NATIONAL PARKS,
BUILDINGS AND RESERVATIONS

STATUS OF AUTHORIZED PROJECTS

Zion National Park for the Month of March, 1935

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date of Completion
FP-16a	Employees qtrs, hdqts	100		
FP-17a	Employees qtrs, hdqts	100		
FP-18a	Comfort sta, south ent	100		
FP-19	Campground development	100		
FP-20	Sewer-water system	100		
FP-21	Checking sta, east ent	100		
FP-22	Employees qtrs, east ent	100		
FP-23	Water sys, east ent	100		
FP-24	Elec sys, south ent	100		
FP-169	Stream protection	100		
FP-170	Campground svce roads	100		
FP-171	West Rim Trail	100		
FP-172	Refrigerator Canyon Trail	100		
FP-173	Valley trails	100		
FP-174	Parking areas	100		
FP-175	Footpaths, hdqts	100		
FP-176	Equipment	100		

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF NATIONAL PARKS,
BUILDINGS AND RESERVATIONS

STATUS OF AUTHORIZED PROJECTS

Bryce Canyon National Park for the Month of March, 1935

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date of Completion
FP-8 Cabins, employees	100			
FP-9 Ext to office bldg	100			
FP-10 Water sys ext to bldgs	100			
FP-11 Comfort station	100			
FP-12 Water sys ext to camp	100			
FP-13 Sewer system ext	100			
FP-14 Equipment shed	100			
FP-15 Boundary fence	100			
FP-156 Post const of roads	100			
FP-157 Hdqts service roads	100			
FP-158 Rim Trail const	100			
FP-159 Rim footpaths	100			
FP-160 Equipment	100			
FP-161 Lodge road widening	100			
FP-162 Footpath, lodge to rim	100			
FP-163 Lodge-Bryce Camp path	100			
FP-164 Footpaths, hdqts	100			
FP-165 Footpath, PA to rim	100			
FP-166 Prot railing, Bryce Pt	90			
FP-235 Footpaths, asphalt sfg	100			
FP-331 Telephone system	100			