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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Zion NATIONAL PARK

FILE NO.

MONTHLY REPORT FOR JANUARY, 1935

IMPORTANT

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January 1935

ARNO B. CAMMERER,
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

February 7, 1935

The Director
National Park Service
Washington D. C.

Dear Mr. Director:

The following is my report on conditions and activities in Zion and Bryce Canyon National Parks and Cedar Breaks National Monument for the month of January, 1935.

000 General

020 General Weather Conditions

Zion. The first real winter storm of the past two years came on January 18 and 19 when four inches of snow fell at Zion Park headquarters, a foot at the Temple of Sinawava, and about fourteen inches at the east entrance. This is the first occasion we have had to use our snow plow which was purchased in the fall of 1933. Otherwise the weather during the month has been pleasant and warm. At the close of the month herbaceous plants at the valley entrance were green, and buds had started swelling on the deciduous trees.

Bryce. A total of twenty-eight inches of snow fell during the month, most of which came in the storm of January 18-19. At the beginning of the month there were eleven inches on the ground, twenty-one and one-half inches on the 15th, and twenty-one inches on the 31st. There were six days during which the plateau was blanketed with a heavy fog. The roads from the Y and inside the park have been blocked since the 14th. The road over the mountain to Tropic has been kept open except on the 20th when it was blocked by drifting snow.

Cedar Breaks. A snow survey was made by Chief Ranger Jolley, Park Naturalist Presnall, and Assistant Naturalist Keller from the 23rd to 27th. At Cedar Breaks the average depth of snow was 51 inches, with an average water content of 14 inches; at Duck Creek ranger station, 40 inches; and at Harris Flat, 32 inches.

100 Administrative

120 Park Inspections

121 By Superintendent. Routine inspections have been made of all work in progress by the park superintendent and his staff. On the 9th I attended the annual meeting of the Parowan Chamber of Commerce and spoke on plans for the development of Cedar Breaks National Monument. On the 14th I drove to Salt Lake City, accompanied by Park Naturalist Presnall. On the 16th I attended a meeting of the Highway and Tourist Committees of the Salt Lake Chamber of Commerce and spoke on the development of parks and monuments, and the trend of tourist travel. On the 17th I went to Ogden where I transacted business in the office of the B.P.R. District Engineer and the Regional Forester, leaving that evening and spending the night at Provo, where I was rejoined by Mr. Presnall, and we returned to Zion on the following day. On the 19th Assistant Superintendent Parker left for a few weeks detail in the office of the Chief Engineer in San Francisco. On the 22nd I went to Cedar City where a conference was held with officials of the Cedar City Chamber of Commerce and District Forest Supervisor in connection with plans for a C.C.C. camp at Cedar Breaks during the coming summer.

Chief Ranger Jolley and Ranger Cope attended the annual stockmen's meeting at Tropic on the 11th.

122 By Special Field Representatives. Naturalist Technician Borell was a visitor from the 28th to 29th.

Forester L. F. Cook visited Zion on the 3rd making inspection of our two C.C.C. camps and of most of our E.C.W. projects.

123 By Other Governmental Officers. Engineers Brown and Davis of the Bureau of Public Roads made a thorough inspection of the tunnel on the 23rd and 24th. They reported verbally that in general the tunnel was in good condition but found some evidence of movement in the timber lining and several large cracks at gallery 5.

Records also show the following officials visiting or passing through the park:

District Manager Frank W. Seaman of Dixie National Forest.
Superintendent E. A. Farrow, Indian Service, Cedar City.
Mrs. J. B. Goss, and Charles Heaton, Indian Service,
Mocassin, Arizona.
Maintenance Engineer Knowlton, of Utah Road Commission,
and Engineers Higgins and Young, of Ogden.
Captain Curtiss, Fort Douglas District C.C.C.
Perry Williams, Bureau of Investigations, U.S.D.I.,
Salt Lake City.
George D. Clyde, U.S.A.C., Logan.

170 Plans, Maps and Surveys

Revised and new topographic sheets of some Bryce areas have been received, also revised Bryce base maps showing roads, telephone lines and trails and revised headquarters topographic sheet showing all improvements. A copy of new map showing Pipe Springs National Monument approach road and Lehman Caves water project plans received, also plans of Lehman Caves comfort station and Temple of Sinawava comfort station.

Surveys have been progressing on east boundary fence, south entrance campground, Parunuweap administrative trail, East Rim truck trail, floor of valley monument system, south entrance pillar location, south entrance water system diversion dam site, and location of water and sewer systems and buildings in the Grotto Campground; also other surveys required for projects under construction.

A field party was in Lehman Caves National Monument several days setting grades on water system and locating campground roads and other improvements.

Line and grade have been set for cattle guards at Pipe Springs National Monument and construction inspected.

Material for maps and drawings of Public Works projects are being assembled to be used in reports.

180 Publicity

One news release about snow conditions noted on the January skii patrol over Cedar Mountain was sent to state newspapers.

200 Maintenance, Improvements, and New Construction

210 Maintenance

Our road crew was engaged on snow removal for two days (19th and 20th). Following this it was necessary to sand several miles of the East Rim Road on account of icy conditions. The open cuts on our roads have been working quite a bit, but on account of depletion of road maintenance funds, it has been practicable only to keep rocks cleared from the surfacing, and as a consequence road gutters are practically filled with debris. A request has been submitted for an F.E.R.A. project for sufficient men to keep our gutters cleared for a three months period.

The concrete lining in gallery 2 of the tunnel has been stained. A gallon each of two kinds of asphaltic material has been furnished by the Chief Engineer's office to experiment with in filling of expansion cracks in the tunnel surfacing.

Minor repairs were made to our telephone lines following the storm on the 19th. The comfort station and water system of the south entrance campground were drained on the 21st on account of the freezing weather.

230 New Construction

Zion

FP-22, Employees Residence, East Entrance. The carpentry work is completed, linoleum laid, plumbing fixtures set, and painting completed, finishing this project with exception of digging a cesspool and connecting with the sewer line.

FP-24, Electric System. Five lighting fixtures, in accordance with the approved plans for the electrolliers were purchased.

Bryce

FP-15a, Cattle Guards. With the approval of transfer of funds to this project, contract has been entered into for welding together of the beams and railroad iron for two cattleguards. All material has been purchased and there remains only the actual installation when weather conditions permit.

Emergency Conservation Work

Zion Park Camp D-NF-2

A14-11, General Cleanup. The wood accumulated from the general clean-up has been hauled to the utility area and sawed into stove lengths.

A1-13b, Minor Road Construction. Construction of minor roads in campground has continued and gravel is being developed for surfacing, the over size of stream bed run going through the crusher. Service road to gas station in the plaza area has been graded and light graveled.

A13-16, Reconditioning Old Park Buildings. The engineering office, temporary quarters, has been reconditioned to eliminate fire hazard and to provide usable space. Painting of interior of residences of chief clerk, chief ranger and stenographer have been partially completed.

A1-25(a & b), Extension of Water System. The two-inch supply main in the first unit of the south entrance campground has been extended into the second unit and service lines run therefrom.

A1-27, Campfire Lecture Circle. Grading of site is complete with exception of fine grading. Stone is being cut for bench supports and construction material lists have been prepared and bids are being asked.

A1-27, Campground Fireplaces. Stone is being quarried and dressed for fire places and foundations are being graded.

A10-29, Boundary Fences. Posts are being cut and hauled to stock pile as near fence location as roads will permit.

A1-34, Forestation Planting. Trees and shrubs have been planted in the Temple of Sinawava, also in the lodge area, housekeeping area, and the campground.

A2-52a, Cribbing. Two hundred and fifty feet of basket dam have been constructed this month, with the exception of wire over the top.

All-53a, Landscaping. Stone curb has been placed around island at the east entrance checking station; curb set in service station in plaza area and curb is being quarried and set along Oak Creek residential road and paths.

A4, Educational and Wildlife Research. Studies of wild life have been made in the Parunuweap Canyon and at Cedar Breaks.

Bridge Mountain Camp NP-4

B6-14a, Administrative Trail. A force with an average of 40 men and one trail compressor was engaged in the construction of the Parunuweap Trail, and at this date eleven per cent of the trail is complete. Two and one-half miles of the trail has been released by the engineers for construction. The building of this trail involves the construction of a great many dry rock walls and one quite large wet masonry wall. Great care is being taken in the erection of these walls, and they are being carefully inspected by the engineering and landscape representatives.

B8-23, Utility Buildings. The masonry on the warehouse is 98 per cent complete, loading platform 95 per cent complete, and machine shop 20 per cent complete. One-half of the old equipment shed has been torn down and the material moved to the new utility area.

B12-23, South Entrance Pillar. Grading of site commenced.

B4-53b, Road Sloping. Work carried on during the month with an average of 40 men and four trucks. An estimated amount of 800 cubic yards of material has been moved. Catchment basins on floor of the valley road are complete, and stone curb at the Temple of Sinawava is complete.

General. During January ten local experienced men were enrolled, bringing the strength of the camp to 232. On January 13th a dance was given by the camp and was well attended by young people from Hurricane, Toquerville, Kanab, and other near-by towns. On the evening of January

23 a program was given at the camp by a company of 25 from the Branch Agricultural College at Cedar City which was very much enjoyed by the boys. The regular classes are being conducted by the educational director, in which much interest is being taken. These, with first aid classes in charge of Dr. Schrank, keep the boys pretty busy after working hours. The month of January was unusually stormy, and the Army was unable to furnish overshoes or rubbers for the boys. The result has been a great many colds and considerable sickness; at times as many as 35 men have been confined to the infirmary at one time.

240 Improvement of Approaches to Park

The State Road Commission has contractors engaged in relocating and improving one-quarter mile of the approach to the temporary bridge across Big Meadow Wash, on the Zion-Mt. Carmel Highway. Contract work on the LaVerkin-Zion approach road was suspended in December with exception of building up shoulders. There remain five miles of surfacing to lay and seal coating of the whole nineteen mile approach to complete the job.

The State Road Commission advises that their next summer's program includes the construction of the section of road from the Virgin River Bridge to Hurricane, and oil surfacing of U.S.89 from Junction south six and one-half miles, and from Hatch to the Kane county line, nine miles.

300 Activities of Other Agencies in the Park

310 Public Service Contractors

Meal service held up fairly well in January at the Zion camp cafeteria, but there is not much demand for cabin accommodations. However, the volume of business was as good as could be expected in the first winter of operation.

313 Schedules of Rates

Schedules of rates submitted for Utah Parks Company services at Zion, Bryce, Cedar Breaks, and North Rim of Grand Canyon were approved.

320 Cooperating Governmental Agencies

Arrangements have been completed with the Forest Service for the reduction over a three year period and then elimination of all grazing within our headquarters area fence at Bryce.

400 Flora, Fauna, and Natural Phenomena

410 Ranger-Naturalist and Guide Service

During January the park naturalist was occupied with preparation of museum exhibits and lecture material, planning of exhibit layouts for the proposed Zion Museum, biological research, and other miscellaneous activities, as outlined below. While visiting the University of Utah, the park naturalist was invited to speak before Phi Sigma, national honorary in biology, and forty members were addressed on January 16, the subject being "How the National Park Service Popularizes Science". A rigid travel schedule prevented filling two other engagements at Brigham Young University; these have been postponed until April. On the first the park naturalist climbed Lady Mountain and removed from the register box all entries made during the past year. The list of climbers was sent to the secretary of the Mount Zion Mountaineers at Chicago.

420 Museum Service

The tree exhibit at Bryce is being completed this winter by preparation of foliage specimens that will last for many years without the annual replacement that has heretofore been necessary. Specimens for the nine coniferous species are now nearing completion; the deciduous species will be prepared after the trees leaf out.

The following items were received during the month:

Seven issues of "Utah Historical Quarterly", gift of Zion-Bryce Natural History Association. This addition completes our file of this valuable publication.

A small collection of Eocene gastropods from Cedar Breaks, a gift of CCC Camp NP-4.

Three bird study skins collected by L. F. Keller.

Twenty-seven colored lantern slides.

In the Zion museum repairs on the relief model were completed. The model is now ready for painting, but work has been suspended until after Mr. Presnall's proposed trip to Berkeley headquarters next month.

The lantern slide collection has been increased as noted above. These twenty-seven slides complete our series showing parks and monuments other than Zion, and will permit giving a first class lecture on the National Park system. This lecture is in great demand by the public, and undoubtedly has the greatest publicity value of any that we give.

Further collection of lecture material during January was made by taking 24 pictures of Zion geology and botany, selection of 64 negatives to be made into slides, and assembling of local ethnological data from pioneer settlers.

Tentative exhibit layouts for the proposed Zion museum are nearing completion, but work on these was also suspended pending Mr. Presnall's trip to Berkeley, where the plans can be more efficiently made.

Routine inspection and fumigation of all research collections was made during the last two days of the month.

455 Flora

The herbarium specimens collected by G. Y. Croft at Cedar Breaks last summer are now being mounted and catalogued for identification.

460 Birds

In order to complete an authentic bird list for Zion, the park naturalist visited the University of Utah and Brigham Young University (Provo, Utah) between January 14 and 18. Approximately 4,000 study skins were examined at the two institutions, resulting in six new species records for Zion, 20 records for previously unsubstantiated sight observations, and establishment of subspecific status of two questioned forms. An accurate list of 135 birds has been prepared in rough draft, and plans are being made for its publication in *Proceedings of the Utah Academy of Sciences*. We expect to secure a quantity of reprints, thus being able for the first time to supply the considerable public demand for information on Zion birds.

Bird banding in Zion Canyon was carried on throughout the month as usual; bands were placed on 94 individuals of 12 species (3 species not previously banded). Results from "repeats" are already yielding some interesting life history facts, which will be published at the close of the winter season.

470 Animals

Observations of mountain sheep in Zion and porcupine at Bryce have been continued by Naturalist Assistant Keller who spent a week at each assignment. He also spent five days (January 23 to 27) observing the winter fauna of the Cedar Breaks area while accompanying the regular skii patrol. One particularly valuable observation was made on the 25th

when he followed fresh coyote tracks for five hours and noted two porcupine kills that were still warm. This is the first known case where actual proof exists of a coyote killing and eating a porcupine. The observation will be sent to the Journal of Mammalogy for publication.

The problem of water supply for deer in the Coal Pitts area was studied on January 28 by Chief Ranger Jolley, Park Naturalist Presnall, and E.C.W. Naturalists Borell and Keller. All agreed on a simple method of water storage at a spring near the west boundary line, and recommended that the project be included in the next ECW program.

Authority was secured from the Director to trap gophers in the new south entrance campground as a control measure to protect young cottonwoods. Very little trapping has been necessary this month, however, owing to inactivity of the gophers during cold weather.

Deer in Zion seem to be in good condition. Browse is abundant on the talus slopes above the canyon, and moisture has been sufficient to supply drinking water.

Five head of cattle are still running in Coal Pitts Wash that do not belong there, but it will require at least three men on horses to get them out, as they are in very rough country. Eight head of cattle are in Parunuweap, but are not supposed to be taken out until April 1.

500 Use of Park Facilities by the Public

510 Increase in Travel

The 1,207 visitors registered at Zion was an increase of 25 per cent over the figures for January last year, and the total of 8,985 was an increase of 27 1/2 per cent for the year.

Up to the time the entrance road at Bryce was closed on the 14th, an average of four cars per day entered the park, a total of 56 cars and 224 visitors being registered.

530 Visitors

Special visitors to Zion noted were as follows:

Frank G. Martinez, President, Associated Civic Clubs of
Southern Utah, Richfield.
Benjamin Cameron, Secretary, Associated Civic Clubs of
Southern Utah, Panguitch.
Mr. Haycock, Garfield County Sheriff, Panguitch.
Mr. Cottam, Washington County Sheriff, St. George.

540 Public Camps

On account of freezing weather and lack of patronage, the south entrance campground at Zion was closed on the 21st.

600 Protection

620 Fire Protection

Both CCC camps have regular fire drills and have regular fire details with leaders, which when trained will be a very efficient fire department.

The fire cache was moved from the old equipment shed to the new shed in Oak Creek, where a compartment has been designated for the equipment.

A fire drill was called in Oak Creek on the 2nd. The call was put in at 4:00 P.M. The first car arrived with two men at 4:03, the second car with 17 men at 4:04, and the last car at 4:07. The ladder was up and a man on the roof of the house at 4:04½; the hose cart was out, hose attached and water running at 4:08. Some trouble was encountered in making connections and turning on the water as the valves were incomplete. Two ladders, 500 feet of hose, two nozzles, four 2½ gallon fire extinguishers, and three axes were available at the site for use in fighting a fire. Seven park officials and 43 CCC men were at the scene within seven minutes, some of whom came a mile after the alarm was given. The pressure was good and plenty of water was available to fight a fire.

Careful inspections have been made of all ECW camps and operations to insure compliance with instructions, particularly as to installation of sand barrels and shovels convenient to garages and places where gasoline and oil are handled.

630 Accidents

A Viking automobile driven by Mr. R. B. Jenkins of Los Angeles, California, ran over a large rock in the road near the long tunnel, breaking the crank case and losing all the oil from the crank case. The car was towed to the Springdale garage where repairs were made. Mr. Jenkins blamed no one but himself. He said he saw the rock but thought he could pass over it.

On the 23rd at 4:00 P.M. a Chevrolet sedan, No. 3E1033 Idaho, belonging to Mr. George Duncan of Greatherton, Idaho, and driven by Mr. W. H. Smith of Cedar City, Utah, collided with a truck driven by Camp Superintendent Beck on the Mt. Carmel Highway west of the tunnel. The fender was dented on the Idaho car, and the fender damaged, front spring broken, and the axle sprung on the Government car. Mr. Brockmeier made an investigation and report.

On the 24th about 4:00 P.M. Mr. Henry Mathews, driving CCC truck No. 8053 which was loaded with posts, tipped the truck over opposite the east entrance checking station while driving on the wrong side of the road and passing another truck. One man was injured and the truck damaged. Mr. Beck, Mr. Brockmeier, Mack Bean, and Frank Eagar were at the scene of accident when the report was made.

About 4:00 P.M. on January 22 Mr. Frank Rozelle found Henry Gifford lying in the road with blood on his face and clothing. Thinking that he had been injured in a wreck, he stopped and investigated. He called Dr. Schrank from the CCC camp and the examination showed that Gifford had fallen into a fit, cutting his face. He was taken to Springdale and left in the care of his mother who was visiting there at the time. Mr. Gifford, who is subject to such fits, was soon all right. He does photography work, and rambles around alone a good deal of the time, and he says that he often goes into a fit and comes out all right, and no one knows anything about it.

Very truly yours,

P. P. Patraw
Superintendent

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

January 28, 1935

MEMORANDUM FOR THE PRESS:

Zion National Park, Utah. Jan. 00, 1935. Moisture conditions on the Markagunt Plateau are better than usual for this time of year, according to report just received from Mr. P. P. Patraw, Superintendent of Zion and Bryce Canyon National Parks, who says that three of his rangers have just returned from skii patrol in the Cedar Breaks National Monument area, where they found a maximum of fifty-eight inches of snow. Snow measurements were taken at Cedar Breaks, Duck Creek, and Harris Flat, all on Utah Highway No. 14 that connects Highways 89 and 91 over Cedar Mountain. Ten measurements were taken at each place by means of the approved instruments used in all Utah snow survey work, and both the snow depth and water content were averaged as follows:

	Snow Depth	Water Content	% of Water Content
Cedar Breaks	51.3 in.	13.0 in.	25.4
Duck Creek	45.3 in.	11.9 in.	26.2
Harris Flat	33.7 in.	7.7 in.	22.8

The first two locations are on the headwaters of the Sevier River, and the Harris Flat measurement is on the headwaters of the Virgin River, at a lower elevation, which accounts for the smaller measurements.

These snow measurements are taken each month throughout the winter by the National Park Service, in cooperation with the State of Utah, and will probably be continued for several years in order to establish a series of

accurate records useful to users of irrigation water.

Ideal skiing conditions in the Cedar Breaks National Monument area were reported recently by a party of National Park Service men who have just returned from a sixty-mile trip through that region in connection with snow survey. All members of the party, which included Chief Ranger Jolley, Park Naturalist Presnall, and his assistant, Mr. Keller, were unanimous in their praise of the fine winter sport possibilities on Cedar Mountain. Although the snow at low elevations was rather sticky because of warm weather, they found perfect conditions above 9,000 feet elevation, and at Cedar Breaks the skii slopes were particularly ideal. One or two inches of soft snow on top of a hard crust made the extensive open slopes and meadows particularly adaptable to fast and easy skiing. It is the opinion of the Park Service men that the region could be well developed as a winter sports area equal to any in the west, especially in view of the fact that cabins and accommodations already exist at Cedar Breaks for summertime use which could easily be adapted for use in the winter. The area is considered by some as rather inaccessible, but skiing parties regularly go from Cedar City to the summit in one day, and the Zion Park party made the trip from Cedar Breaks to Gravel Springs Junction (twenty-eight miles) in slightly over eight hours.

Office of Superintendent
P. P. Patraw
Zion National Park, Utah

Travel report By states for the season to date January 31, 1934. (Zion).

State	T.1934				Total		1934.
	Cars	Pass.	Stage	Misc.	Pass.	Cars	
Alabama	2	8	0	0	8	0	0
Arizona	169	490	0	1	491	80	213
Arkansas	1	3	0	0	3	0	0
California	1052	2746	0	1	2749	684	1796
Colorado	70	194	0	3	197	44	126
Connecticut	4	11	0	0	11	5	13
Dist. of Columbia	12	36	0	0	36	5	12
Florida	8	22	0	0	22	0	0
Georgia	1	2	0	0	2	1	3
Idaho	90	321	0	2	323	46	128
Illinois	32	81	0	0	81	21	59
Indiana	10	40	0	0	40	6	16
Iowa	22	71	0	0	71	7	13
Kansas	7	17	0	0	17	2	3
Kentucky	1	3	0	0	3	1	1
Louisiana	1	4	0	0	4	1	2
Maine	2	5	0	0	5	0	0
Maryland	2	4	0	0	4	4	10
Massachusetts	15	33	0	0	33	4	6
Michigan	13	30	0	0	30	14	40
Minnesota	10	25	0	0	25	5	10
Mississippi	2	3	0	0	3	1	2
Missouri	14	35	0	1	36	4	9
Montana	44	114	0	0	114	22	61
Nebraska	20	68	0	6	74	5	18
Nevada	65	191	0	0	191	46	130
New Hampshire	3	8	0	0	8	1	2
New Jersey	6	14	0	1	15	8	21
New Mexico	18	44	0	0	44	10	25
New York	31	79	0	1	80	17	47
North Dakota	8	22	0	0	22	1	6
North Carolina	2	9	0	1	10	1	2
Ohio	13	32	0	0	32	14	38
Oklahoma	7	25	0	0	25	6	15
Oregon	26	69	0	0	69	11	32
Pennsylvania	16	39	0	0	39	9	23
R. Island	3	10	0	0	10	1	2
South Dakota	10	26	0	0	26	3	9
Texas	13	26	0	0	26	13	41
Utah	1210	3672	0	10	3682	1249	3944
Vermont	1	3	0	0	3	1	2
Virginia	1	2	0	1	3	0	0
Washington	42	112	0	0	112	20	46
Wisconsin	9	20	0	0	20	8	19
Wyoming	29	91	0	0	91	22	70

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

TRAVEL REPORT

ZION

National Park for the month of JANUARY 1935

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year		
					Number	Percent	
PRIVATE TRANSPORTATION:							
Cars first entry,	417	2762	300	2084	678	32.53	Inc
Cars reentry,	37	387	80	332	55	16.56	Inc
Motorcycles,	0	2	0	3	1	33.33	Dec
Total motor vehicles,	454	3151	380	2419	732	30.26	Inc
Persons entering via motor vehicles,	1200	8953	966	7032	1921	27.31	Inc
Persons entering via other private transportation,	0	4	0	4			
Total persons entering via private transportation,	1200	8957	966	7036	1921	27.31	Inc
OTHER TRANSPORTATION:							
Persons entering via stages,	0	0	0	1	1	100.	Dec
Persons entering via trains,							
Persons entering otherwise,	7	28	1	15	13	86.66	Inc
Total other transportation,	7	28	1	16	13	75.	Inc
GRAND TOTAL ALL VISITORS,	1207	8985	967	7052	1933	27.41	Inc

Local travel for month, 115 Cars 347 People	This Year	Last Year	Increase	
			Number	Percent
Local travel for season, 218 Cars 798 People				

Automobiles in public camps during month,	9	1	8	800.	Inc
Campers in public camps during month,	42	3	39	1300.	Inc

ZION NATIONAL PARK

WEATHER REPORT

January 1935

TEMPERATURE

Mean maximum 52.48
Mean minimum 33.93
Mean 43.20
Maximum 70 on 30th
Minimum 4 on 20th

PRECIPITATION

Total 1.47 in.
Greatest in 24 hours 0.32 in. on 18th

SNOWFALL

Total 4 in.
On ground end of month None

NUMBER OF DAYS

With .01 or more prec. 10
Clear 16
Partly cloudy 4
Cloudy 11

ALLEN T. STRUNK
Observer

BRYCE CANYON NATIONAL PARK

Weather Report

January - 1935

TEMPERATURE

Mean maximum	53.6
Mean minimum	12.6
Mean	23.1
Maximum	43 on 29th
Minimum	-12 on 20th

PRECIPITATION

Total for month	3.08 in.
Greatest in 24 hours	0.69 on 15th

SNOWFALL

Depth of snow beginning of month	11 in.
Snowfall during month	28 in.
Depth of snow 15th of month	21.5 in.
Depth of snow 30th of month	21 in.

NUMBER OF DAYS

Clear	20
Partly cloudy	00
Cloudy	11
Foggy	6

MAURICE COPE
Observer

10-159
 (May, 1931)

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Zion & Bryce Canyon National Park for the Month of January, 1935

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
Number of employees beginning of month	34	7	15	330
Number of additions	00	12	00	35
Total	34	19	15	365
Number of separations	00	15	00	00
Number of employees close of month	34	4	15	365
Number of promotions during month	00		00	
Aggregate amount of annual leave taken	18		24½	
Aggregate amount of sick leave taken	10		00	
Aggregate amount of leave without pay	00		2	

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 January, 1935

	This Year	Last Year
Park revenue on hand beginning of month,	100.00	--
Received,	300.00	--
Total,	400.00	--
Remitted,	400.00	--
On hand close of month,	--	--
Park revenues received this year to date,		12,991.00
Park revenues received last year to date,		8,998.70
Increase,		3,992.30
Per cent of increase,		44.36

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,
Received during month,
Total,
Sold during month,
On hand at close of month,

NONE

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, 00.00
Sales during month,
Total,
Remitted during month,
Balance, 00.00

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

STATUS OF AUTHORIZED PROJECTS

Zion National Park for the Month of January, 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	7	4	
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		4	

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 January, 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	6	7	
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			