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10-23

DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

.....Zion..... NATIONAL PARK

FILE No.

MONTHLY REPORT FOR FEBRUARY

1934

IMPORTANT

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February 1934

STEPHEN T. MATHER,
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

Office of National Parks,
Buildings and Reservations.

March 10, 1934

The Director
National Parks, Buildings and Reservations
Washington D. C.

Dear Mr. Director:

The following is my report of conditions and operations in Zion and Bryce Canyon National Parks during the month of February, 1934:

000 General

010 Introductory

In the intricate and often discouraging routine of CWA, which has required an unusual amount of detail work during February, there has been one very pleasant compensating feature. I refer to the gratifying decrease in accidents, as the result of a safety-first campaign started on February 8. There were only five minor accidents among workmen this month, as compared to nineteen in January. (See paragraphs 610 and 630).

Tourist travel to Zion continues to show the increase that has characterized the entire travel year thus far, this February being 77.2 per cent ahead of February, 1933.

020 General Weather Conditions

Zion. There was no snow during the month and none on the ground at the beginning of the month. The weather was generally warm, with light winds part of the time. Thermometer readings for the month were as follows: Maximum, 75 on the 2nd; minimum, 31 on the 17th. 1.69 inches of rain fell during the month.

Bryce. The month opened with 8 inches of snow, 12.5 inches fell during the month, and 11 inches remained on the ground on February 28. There has been some drifting, and twice the road has been blocked for a few hours. Precipitation for the month totalled 1.29 inches. The thermometer readings were as follows: Maximum, 51 on the 13th; minimum, 10 on the 12th.

100 Administration

120 Park Inspections

121 By Superintendent. Continuance of the Emergency Conservation Work, Public Works and Civil Works in Zion National Park necessitated much time on field inspections, conferences, and studies of planning throughout the month. On the 2nd Mr. Langley and I drove to Lehman Caves National Monument, Nevada, where we made inspections with Engineer Robertson of Civil Works in progress, outlined work for continuation to the close of the work period, and made studies for preparing a plan of development. We returned to Zion on the evening of the following day. On the 8th of the month in the morning I went to St. George where I gave a talk to 200 students in assembly at Dixie College on the policies, ideals and protection of the national parks. During Mr. Kittredge's visit to Zion, 15th to 17th, the work in progress was inspected and discussions had particularly on future projects. On the evening of the 17th I drove Mr. Kittredge to Las Vegas where we met, by appointment, Engineer Goodwin from Death Valley. On Sunday, the 18th, we went to Boulder Dam, inspecting the works, and I returned to Zion that evening. On the 23rd a preliminary development outline for Cedar Breaks National Monument was completed and forwarded.

123 National Park Service Officers. Chief Engineer Kittredge arrived at Cedar City on the morning of the 15th and was driven to Zion, departing on the evening of the 17th. During his visit he examined all work in progress, including stream protection, West Rim Trail improvement, campground development, road sloping, Oak Creek residential and utility area developments, water and sewer systems, the tunnels and East Rim Road.

Assistant Architect Langley was in the park from the 1st to the 11th except for the time at Lehman Caves as reported above.

140 Labor Situation

Public Works has been carried on with an average of 127 men, the former quota having been materially reduced as various projects were nearing completion.

Civil Works employees, totalling 198, were employed to February 15, working thirty and fifteen hours per week for weekly and per diem men, respectively. Exception to this is that all men in archaeological camps were working thirty hours per week. On February 16th the total was reduced to 125 men and this number is being reduced eleven per cent, or fourteen men per week. The reduction is all being made on projects other than archaeological, this project continuing at full strength of fifteen men.

Close cooperation is being maintained with local C.W.A. boards in order to insure fairness in discharging men. From 2 to 10 men are leaving each week of their own accord to accept better paying jobs, which indicates a good labor situation throughout southern Utah.

170 Plans, Maps and Surveys

Surveys of East Rim Trail, east entrance checking station area, sewer and water systems, and quarry road have been completed, and topographic surveys are going forward, as well as traverse tying in archaeological work. Surveys for Oak Creek road and drift fences are being made. Necessary engineering has been done as required for construction. The office force has been employed in working up notes of the field parties. A topographic sheet was made of the administration area at Lehman Caves National Monument. The survey parties are doing efficient work, but are being reduced as C.W.A. men are finding new positions. One party has been at Pipe Springs National Monument and completed boundary and topographic surveys.

180 Publicity

In compliance with the Director's memorandum of February 2, three scenario outlines for educational films of Zion and Bryce were submitted for approval and seven other subjects suggested.

A feature article by Grant Cannon, member of the Farunuweal archaeological party, was printed by the Deseret News on the 16th. It gave a popular illustrated account of the scientific work being done by the party. Copy is attached to original of this report.

200 Maintenance, Improvements and New Construction

210 Maintenance

In addition to routine maintenance work on campground, telephone system, etc., a much-needed job of road sloping was started on a troublesome sector of the Valley Road just south of Red Point. The road at this place had been cut through sandstone having a weak shale foundation, resulting in frequent rockslides. Work started this month will stabilize the slope and prevent recurrence of such slides. (See attached photographs).

230 New Construction

Public Works

On the 5th invitations for bids on 5 residence buildings, 2 comfort stations and a checking station, for which an aggregate allotment of \$24,750 is available, were sent out. Five bids were received and opened on the 19th, the lowest bid being \$35,219, and the highest \$47,674.93. Recommendations were submitted for rejection of all bids, and for eliminating one residence building and one comfort station so the project can be readvertised in expectation of obtaining a bid within the funds available. From conversation with the bidders present at the opening the over-run over our estimate was due mostly to the item of stone masonry, and partly to increase in cost of materials and labor.

FP-20, Sewer and Water Systems. Oak Creek water system is complete to the plaza area with exception of a small amount of backfill, and all material is on hand for completion of the system to the south entrance campground area. Water was turned in on February 15. The system furnishes 110 pounds pressure at the plaza area. Work on the sewer system has progressed rapidly in spite of difficulties in crossing the pipeline under the bed of the Virgin River. This was accomplished by diverting the river channel as shown in attached photos.

FP-169, Stream Protection. Basket dams undertaken are all complete with the exception of two days work. Rubble rock remains to be placed on top of about 450 feet of bank protection dams. Backfilling is practically all complete insofar as dams are finished.

Progress on other Public Works projects is shown under "Status of Authorized Projects."

Civil Works

With tapering off of C.W.A. personnel, my chief concern has been to plan all projects so as to leave no unfinished work on such portions as can be completed with reduced man power. All possible effort is being made to complete work already started and no new sections are being started on any project. "Status of Authorized Projects" shows progress to date.

Emergency Conservation Work.

No new projects were started this month, but all previously started are going forward remarkably well, with some nearing completion. The relatively smooth and unhampered progress of E.C.W. projects is a source of great satisfaction to me. A full report on Emergency Conservation Work has been submitted separately.

240 Improvement of Approaches to Park

On the 24th work was started on the new contract let to improve Utah Highway No. 15, between U.S. 91 and the park. The worst portion of No. 15, the Bamberger Dugway, is to be entirely rebuilt.

260 Landscape Work

South Entrance Campground. Planting in the first unit of the public campground is now practically complete, the last job consisting of sowing native flower seeds along the roadways. Graveled spurs, clay surfaced tent sites, and stone fireplaces are all complete in the 27 individual campsites. Planting is now being done along roadways, and removal of exotic fruit trees has been completed.

Oak Creek Residential and Utility Areas. Grading of house sites is nearing completion, and plans have been made and approved by me for planting in that area. The Landscape Architect has given considerable time to the grading and planting plans for the utility site, but awaits further information on the practical amount of cut and fill to be made.

Upper Residential Area. Work was started on the grading plans made by the Park Landscape Architect and approved by Assistant Landscape Architect Langley.

Additional studies of the landscape architect included new administration site, lecture circle, south entrance checking station, backfilling of basket dams, de luxe parking area, and Temple of Sinawava parking area.

400 Flora, Fauna and Natural Phenomena

410 Ranger Naturalist and Guide Service

Assistance with the administration of CWA and ECW continued to occupy much of the park naturalist's time during February, but continuance of museum projects outlined below was rendered possible with the aid of two helpers from the Zion CCC camp. Lecture service included a limited amount of educational work at the CCC camp, and an illustrated lecture at Tropic on the 17th by Ranger Maurice Cope.

420 Museum Service

Zion. Cases for the habitat groups are now complete except for electric installations, and all the accessory plant material for the dry habitat has been collected and pickled. About half the material for the wet habitat has been collected. Painting of the dry habitat background has been started by Mrs. Fresnall.

With the aid of a CCC man, M. W. Kelly, the research collection of birds and mammals is now increased to 152 specimens, of which 40 were secured by Mr. Kelly. All specimens in both research and exhibit collections were thoroughly fumigated during the month. The museum office has been improved by construction of filing cases for card indexes and for lantern slides.

430 Archaeology

Progress at the Arches and Farunuweap Canyon camps will be reported separately, as usual. As this report is being written, word comes of the discovery of a burial near the latter camp, three skulls being thus far uncovered. This will undoubtedly prove of very great value in dating the ruins.

Some petroglyphs were discovered by Ranger Schiefer on the 22nd, located south of the Mt. Carmel Road near the east boundary. A trip will soon be made to photograph them.

455 Flora

The first spring flowers were seen on the 11th when Mrs. Patraw reported Beckwithia juniperina in full bloom along the new Great Arch Trail. The last remnant of fall bloom (a composite) was seen by her on the same trail in mid-January. Twenty-five days between fall and spring flowers in Zion! That should constitute a record of some sort or other. By the end of the month the Beckwithias were fading, but miners lettuce and manzanitas were blooming, and leaves were appearing on willows and on service berries.

460 Birds

An early spring is also responsible for unusual activity among the birds of this region. On the 5th robins were seen flocking in preparation for northward migration, and on the 11th several were seen on the West Rim, 7300 elevation. Chestnut-backed bluebirds were also noted at the same time and place. Winter residents, however, have not diminished in numbers.

470 Animals

Zion. Bucks have been shedding antlers during the latter half of the month, as shown by bark rubbed from bushes, and a general scarcity of the fine antlered heads commonly seen during the first 20 days of the month. North of the highway about a mile directly north of the little tunnel, Ranger Schiefer discovered that deer were numerous. It is possible for them to get in this canyon from the highway or from the rim east of Deer Trap Mountain. The forage is excellent in nearly all the canyons.

On the 17th a young female cougar was trapped near the town of Springdale, just outside the park boundary. This is the second one to be trapped near the south boundary this winter. Tracks of gray foxes and bob-cats were noted in abundance on both the east and west rims at various times during the month. Cougar tracks have been seen in several places in the canyon and on the east rim.

Bryce. Ranger Cope reports as follows: "While signing the boundary line I noted porcupine were doing some damage to the pinon pine, especially in the region just south of Tropic Canyon. In Cope Canyon grass for deer is exceptionally good and I saw plenty of deer signs. On the steep slopes dry grass is two feet high."

500 Use of Park Facilities by the Public

510 Increase in Travel

It is interesting to note that the increase in travel during February is almost the same percentage as for the entire travel year thus far - 77.2% and 77.9% respectively. The steady maintenance of this increase right through the fall and winter months appears to be a good indication of what may be expected during the coming summer.

530 Visitors

- Feb. 13 - Jack Butler, guide and cougar hunter on the Kaibab, camped in the valley one night on his way to ~~Pine Creek~~ *Kolob Canyons* for spring cougar hunting.
- Feb. 24 - R. Scott Zimmerman, in charge of rodent control in Utah for the Biological Survey, paid a brief visit while inspecting the southern party of the state.
- Feb. 27 - Major and Mrs. George E. Arueman were personally conducted through the valley by the park naturalist. Major Arueman, formerly stationed in Latvia, is now district commander of CCC camps out of Milwaukee, Wisconsin. They also visited Bryce on the 28th, where Ranger Cope spent 2 hours with them.

600 Protection

610 Police Protection

The south entrance checking station was open throughout the month, in addition to which the ranger force patrolled the south and east boundaries. Much of the chief ranger's time has been occupied with inspection of safety precautions on work projects, as detailed in No. 630. Only three minor violations of traffic regulations occurred during the month, all being handled without making arrests.

630 Accidents

Only five park employees were injured this month, none being major injuries, as compared with nineteen last month. This was largely due to the safety-first campaign mentioned in the introductory paragraph. A committee of three (Messrs. Jolley, Mayer, and Presnall) has organized first-aid classes, purchased first-aid kits, and carried on educational work among the foremen and laborers. A very important part of this work has been safety inspections by Chief Ranger Jolley, from whose report the following is quoted:

"Since the classes in first-aid started, I have spent most of my time inspecting the various jobs, making notes of carelessness, methods of work, or equipment that might cause accidents. On each occasion the foreman on the job was notified of my findings. He in turn remedied the conditions. The following is a list noted and adjusted during the month: Worn out cables on triangles or a frame on the rock work in the Temple of Sinawava; deep trenches in loose gravel near sewer system with improper reinforcing of banks; men standing too close while driving wedges in solid rock; men working in the garage grinding tools and welding without glasses; trail filled with sand and rock below the Wiggles which was dangerous for pack horses; insufficient room between curbing and checking station, where CCC men and others may strike heads when passing on trucks; two trucks were damaged by striking the eaves of the checking station; a hole left for two or three weeks in the road on the entrance to the new campground; men standing up while riding in the dump trucks; boards scattered around the job with nails sticking up in them."

One rather serious automobile accident, due to drunken driving, occurred just outside the park on the _____ when a Plymouth coupe (license No. Utah-72-820) driven by Lynn Ford of Kanab, Utah, with two passengers, Mr. Broadbent Warren and Miss Bessie Averett, was wrecked 100 yards east of the east boundary line of the park. Broadbent Warren was from the CCC camp in Zion and Miss Averett from Cedar City. The car was turned over in the center of the road after hitting the bank. Lynn Ford had a possible fracture across the right shoulder and a cut on the left eye. Bessie Averett was wounded on the right upper hip joint, cut on 1st finger and right thumb, and a bad abrasion on the forehead. Warren was not injured. The party was picked up by N. H. Barnshurst and G. L. Jackson of Hatch, Utah, about 8:45 A.M. and brought to the CCC camp in Zion where the injured were given first aid by Dr. Olsen. They were taken to Kanab, Utah. The doctor attending said the injured people were under the influence of liquor when they were brought in. The car was almost a total wreck. Fred Fagergren, Mr. Bowman and Chief Ranger Jolley moved the car out of the road. The wreck happened, according to Ford, about 3:00 A.M. and they were not picked up until 8:45 A.M. Ford was still unconscious when he was brought into camp. Dr. Olsen notified friends in Kanab, who came and took Ford and Miss Averett to the hospital.

650 Signs

Zion. Two signs were painted and placed on the highway to the Petrified Forest. Reflectors were put on the curbing at the south entrance and rock quarry road.

Bryce. During the month Ranger Cope set signs over $6\frac{1}{2}$ miles of boundary line. Most of the country was rough. He followed the line all the way, setting signs at each important point. There were several offsets in the new United States Land Office survey and all old signs that had been set had to be moved.

Very truly yours,

F. P. Patraw
Superintendent

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE, ZION.

Travel report by states for the season to date, February 28, 1934 and 1933.

State	1934				1933			
	Cars:	Pass:	Stage:	Misc.:	Cars:	Pass.:	Cars:	Pass.
Arizona	95	257	0	4	95	261	65	220
Arkansas	0	0	0	0	0	0	1	1
California	706	1854	1	3	706	1858	359	892
Colorado	51	145	0	2	51	147	18	44
Connecticut	5	13	0	0	5	13	1	2
Dist. of Columbia	5	12	0	0	5	12	2	4
Georgia	1	3	0	0	1	3	0	0
Idaho	53	152	0	0	53	152	29	79
Illinois	22	59	0	2	22	61	10	21
Indiana	7	18	0	0	7	18	0	0
Iowa	7	13	0	0	7	13	5	10
Kansas	2	3	0	0	2	3	2	6
Kentucky	1	1	0	0	1	1	2	5
Louisiana	1	2	0	0	1	2	0	0
Maryland	4	10	0	0	4	10	0	0
Massachusetts	4	6	0	0	4	6	2	4
Michigan	14	40	0	0	14	40	6	13
Minnesota	6	12	0	0	6	12	6	14
Mississippi	1	2	0	0	1	2	0	0
Missouri	4	9	0	0	4	9	3	9
Montana	27	75	0	1	27	76	18	44
Nebraska	6	19	0	0	6	19	2	6
Nevada	51	139	0	0	51	139	33	114
New Hampshire	1	2	0	0	1	2	0	0
New Jersey	8	21	0	0	8	21	5	17
New Mexico	10	25	0	0	10	25	3	9
New York	20	53	0	0	20	53	13	37
North Dakota	1	6	0	0	1	6	2	4
North Carolina	1	2	0	0	1	2	0	0
Ohio	14	38	0	0	14	38	3	6
Oklahoma	7	18	0	0	7	18	0	0
Oregon	12	33	0	0	12	33	7	16
Pennsylvania	10	25	0	1	10	26	3	9
Rhode Island	1	2	0	0	1	2	0	0
South Dakota	3	9	0	0	3	9	1	2
Texas	14	42	0	1	14	43	6	11
Utah	1604	4945	0	12	1604	4957	1064	2951
Vermont	1	2	0	0	1	2	1	2
Virginia	0	0	0	0	0	0	2	5
Washington	24	55	0	0	24	55	22	56
Wisconsin	9	20	0	1	9	21	6	15
Wyoming	24	75	0	0	24	75	8	18
Alaska	0	0	0	0	0	0	1	2
Brazil	1	2	0	0	1	2	0	0
Canada	7	18	0	0	7	18	0	0
Canal Zone	2	5	0	0	2	5	0	0
Central America	0	0	0	0	0	0	1	2
Germany	2	2	0	0	2	2	0	0
Holland	1	1	0	0	1	1	0	0
Hawaii	1	2	0	0	1	2	1	2
India	0	0	0	0	0	0	1	3
Mexico	2	6	0	0	2	6	0	0
	2853	8254	1	27	2853	8282	1714	4655

10-157
(July, 1929)

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

TRAVEL REPORT

ZION National Park for the month of FEBRUARY 1934

	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,	338	2422	130	1096	1326	120.98 Inc
Cars reentry,	95	427	130	618	191	31.19 Dec
Motorcycles,	1	4	0	0		100. Inc
Total motor vehicles,	434	2853	260	1714	1139	66.45 Inc
Persons entering via motor vehicles,	1217	8249	692	4643	3606	77.66 Inc
Persons entering via other private transportation,	1	5	0	0	5	100. Inc
Total persons entering via private transportation,	1218	8254	692	4643	3611	77.77 Inc
<u>OTHER TRANSPORTATION:</u>						
Persons entering via stages,	0	1	0	1		
Persons entering via trains,						
Persons entering otherwise,	12	27	2	11	16	145.45 Inc
Total other transportation,	12	28	2	12	16	133.33 Inc
GRAND TOTAL ALL VISITORS,	1230	8282	694	4655	3627	77.91 Inc

Local travel this month, 161 Cars 503 people	This Year	Last Year	Increase	
			Number	Percent
Local travel this season, 776 " 2633 "				
Automobiles in public camps during month,	2	0	2	100. Inc
Campers in public camps during month,	5	0	5	100. Inc

WEATHER REPORT
Zion National Park
February, 1934

TEMPERATURES

Mean maximum	61.68
Mean minimum	39.11
Mean	50.39
Maximum	75 on 2nd
Minimum	31 on 17th

PRECIPITATION

Total	1.60 in.
Greatest in 24 hours	0.59 on 23rd

NUMBER OF DAYS

With .01 or more precipitation	6
Clear	11
Partly cloudy	5
Cloudy	12

ALLEN T. STRUNK

Observer

DEPARTMENT OF THE INTERIOR
 BRYCE CANYON NATIONAL PARK
 WEATHER REPORT FOR FEBRUARY
 1934

TEMPERATURE:

Mean Maximum	39.9	
Mean Minimum	20.5	
Mean	30.2	
Maximum	51.	On 13
Minimum	10.	On 12
Greatest daily range	37.	On 12
Mean set Maximum 6 P.M.	33.4	

PRECIPITATION:

Snow depth beginning of month	8.	Inches
Snow fall during month	12.5	Inches
Snow fall Greatest in 24 hours	4.	Inches
Precipitation for the month	1.29	Inches
Greatest in 24 hours	.42	Inches On 24
Snow depth February 15	9.	Inches
Snow end of the month	11.	Inches

WEATHER:

Days Clear	14
Days cloudy	9
Days Partly cloudy	5
Days Stormy	5
Number of days in month	28.

MAURICE COPE
 Cooperative Observer.

10-159
 (May, 1931)

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 NATIONAL PARK SERVICE

STATUS OF PERSONNEL

...Zion-Bryce..... National Park for the Month ofFebruary, 1934.....

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
Number of employees beginning of month	15	365	12	7
Number of additions.....	00	27	00	3
Total.....	15	392	12	10
Number of separations.....	00	160	00	9
Number of employees close of month.....	15	232	12	1
Number of promotions during month.....	00		00	
Aggregate amount of furlough taken	00		19 $\frac{1}{2}$	
Aggregate amount of annual leave taken	8 $\frac{1}{2}$		00	
Aggregate amount of sick leave taken.....	00		00	
Aggregate amount of leave without pay..	00		00	

No separations due to retirement or reduced appropriations.

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Zion National Park for the Month of February, 1934

	This Year	Last Year
Park revenue on hand beginning of month,	None 100.00	
Received,	<u>100.00</u>	
Total,	100.00	
Remitted,		
On hand close of month,		
Park revenues received this year to date,		9,098.70
Park revenues received last year to date,		8,206.00
Increase,		<u>892.70</u>
Per cent of increase,		<u>10.88</u>

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Bryce Canyon..... National Park for the Month ofFebruary, 1934.....

Description of Projects	Percent	Percent	Percent	Probable Date of Completion
	Constructed To Date	Constructed This Month	Constructed Last Month	
FP14 Equipment shed	81			June 30, 1934
FP15 Boundary fence	99			June 30, 1934
FP156 Post const of roads	40			June 30, 1934
FP157 Hdqts svce roads	90			June 30, 1934
FP158 Rim Trail construction	41			June 30, 1934
FP159 Rim footpaths	76			June 30, 1934
FP160 Equipment	74			June 30, 1934
FP162 Footpath, Lodge to rim	37			June 30, 1934
FP164 Footpaths, headquarters	19			June 30, 1934
FP165 Footpath, PA to rim	40			June 30, 1934
FP161 Lodge road widening	00			June 30, 1934
FP163 Lodge-Bryce Camp path	00			June 30, 1934
FP166 Prot railing, Bryce Pt	00			June 30, 1934
FP8 Cabins, employees	00			June 30, 1934
FP9 Ext to office building	00			June 30, 1934
FP10 Water sys ext to bldgs	00			June 30, 1934
FP11 Comfort station	00			June 30, 1934
FP12 Water sys ext to camp	00			June 30, 1934
FP13 Sewer sys ext	00			June 30, 1934

NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Zion National Park for the Month of February, 1934

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date of Completion
FP19 Campground development	54 ⁵⁵	30	10	June 30, 1934
FP20 Sewer-water systems	90 ⁹⁴	18	15	June 30, 1934
FP23 Water system, East Ent	3 ¹²	2	1	June 30, 1934
FP24 Elec sys, South Ent	.4			June 30, 1934
FP169 Stream protection	99	8	28	June 30, 1934
FP170 Campground svce roads	21 ³²	5	1	June 30, 1934
FP171 West Rim Trail	81 ⁷⁷	16	19	June 30, 1934
FP172 Refrigerator Canyon Tr	92			June 30, 1934
FP173 Valley trails	63 ⁸¹			June 30, 1934
FP174 Parking area	57 ⁹⁸	47	10	June 30, 1934
FP176 Equipment	100			
FP16 Employees qtrs, hdqts	00			June 30, 1934
FP17 Employees qtrs, hdqts	00			June 30, 1934
FP18 Comfort sta, South Ent	00			June 30, 1934
FP21 Checking sta, East Ent	00 ³⁸			June 30, 1934
FP22 Employees qtrs, East Ent	00			June 30, 1934
FP175 Footpaths, headquarters	00			June 30, 1934
CW1 East Rim Tr improvement				Apr 26, 1934
CW2 Pine Creek irri sys				Apr 26, 1934
CW3 Roadside cleanup				Apr 26, 1934
CW4 Road to Petrified Forest				Apr 26, 1934
CW5 Archaeological research				Apr 26, 1934
CW6 Topographic surveys				Apr 26, 1934
CW7 Erosion control and stream protection				Apr 26, 1934
CW8 Quarrying stone				Apr 26, 1934