

SUPERINTENDENT'S MONTHLY REPORT

FOR

MARCH, 1928

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

OFFICE OF THE SUPERINTENDENT

CALIFORNIA

April 7, 1928.

The Director  
National Park Service  
Washington, D. C.

Dear Mr. Director:

I am transmitting herewith report on Yosemite National Park for the month of March, 1928.

000 General

March was a very stormy month, there being sixteen days on which there was some precipitation. The mean maximum temperature was 63.58; the mean minimum 34.48; and the mean temperature, 49.03. The maximum temperature registered during the month was 78 degrees on the 18th, and the minimum 24 degrees on the 28th. There was a total of 9.8 inches of precipitation during the month, the greatest in twenty-four hours being 2.78 inches on the 25th.

From the 22d to the 27th we had 7.77 inches of rainfall, which fell almost continuously. As it fell on the snow in the higher elevations it melted it and brought the highest water that the park has experienced at this season in fifteen years or more. The Merced River and its tributaries were running more than bankfull, and many of the culverts in our road system were unable to carry the water. Damage amounting to \$16,000 has been done to roads, bridges, and our electric system. More detailed report is given under "200 Maintenance, Improvements, and New Construction".

100 Administration

110 Status of Work

Assistant Director (Field) Albright left for Washington on March 16, and Chief Clerk Conner started on a trip to four of the national parks in connection with accounting work, so that the Acting Superintendent has been deprived of the assistance of these men and, as a consequence, has been extremely busy. While the work has been delayed in a few instances, in general, it is up to date.

120 Park Inspections By:

121 Park Superintendent

Inspections have been made almost daily of the construction work under contract and the work being done by the National Park Service by force account. This includes the bridges being built by Rocca and Caletti, the guard wall constructed by the City Improvement Company, the new bridle paths, Camp Curry loop road, sidewalk grading, etc. Inspections have been made, also, of the repair work made necessary by the floods during the latter part of the month.

123 National Park Service Officers

Chief Engineer Kittredge was in the park March 3-5. He went over the dragline installation and construction jobs under way or proposed by the park.

Resident Engineer Carrell of Grand Canyon National Park was here from March 18 to 20 and was taken care of at the Officers and Rangers Clubhouse.

Resident Engineer Waterhouse of Rainier National Park was here on March 30 and 31, staying at the Rangers Club.

124 Other Interior Department Officers

Arnold C. Swanson, Junior Engineer of the U. S. Geological Survey, Water Resources Branch, visited the park on March 29 in connection with stream gauging activities.

Mrs. Martin, of New York, Indian Field Nurse operating out of Fresno under the direction of Col. Dorington, was in the Valley on the 20th and visited some of the local Indians. She expects to be here quite often during the coming season.

130 Finance and Accounts

The following statement shows the status of various appropriations handled by the park up to and including March 31, 1928:

<u>Appropriation</u>	<u>Allotted</u>	<u>Expended and Obligated</u>	<u>Balance</u>
Yosemite National Park 1927-28	\$ 45,200.00	\$11,381.35	\$33,818.65
Yosemite National Park 1928	246,800.00	229,199.62	17,600.38
Roads and Trails, No Year	990,700.00	895,097.30	95,602.70

On account of the great increase in construction employees, the cost reports have been somewhat delayed this month, and comparative cost information is not available at this writing.

#### 140 Labor Situation

During the month, we employed 91 additional men, so that at the end of the month we had 208 men on our payroll, compared with 128 for the same month last year. We have been able to secure an unusually good labor organization, as there is a great deal of unemployment in California at the present time, and we have been able to make selection of a better class of men.

#### 170 Plans, Maps, and Surveys

The Resident Engineer's time has been taken up in supervising the activities of the Engineering Division, particular attention being given to the construction work on the Camp Curry loop road and to the bridle path construction. The Engineering Draftsman spent considerable time drafting, blueprinting, and making special maps.

#### 180 Circulars, Placards, and Publicity Bulletins

Attached are copies of publicity bulletins issued by this office during the month.

#### 200 Maintenance, Improvements, and New Construction

##### 210 Maintenance

Lack of snow in the mountains and the warm temperatures early in the month made it possible for us to open the Kawona Road on March 21. The road was open to the cabin in the upper grove. This section was almost entirely free of snow, and the road was found in exceptionally good condition. The heavy rains toward the end of the month damaged the road seriously, and the last storm brought seventeen inches of snow at Chinquapin, so that the road was closed for a week or ten days.

The heavy, warm rains during the last week of the month melted the snow up to elevations of 7,000 to 8,000 feet, and the floods that followed did a great deal of damage to roads and utilities. A rock slide above the El Portal Road, caused by the heavy rains, broke our power house pipe line in four places, and the high water in the river washed out several hundred feet of transmission line below the power house. The Valley was without electric service from 3 a.m., March 25, to 12:30 p.m., March 26.

A special allotment of \$15,000 was requested to cover repair items, as follows:

El Portal Road .....	\$6,290.00
(a) Fill at Cascade barn	
(b) Refilling outside shoulder, turnouts, and power house road (approximately 1500 feet)	
(c) Replacement of sand borrowed from Contractors Rocca and Galetti (about 50 yards @ \$2.50)	
(d) Refilling and repairing inside ditch and backfilling under the pavement	
(e) Labor in preventing further damage (March 25-26)	
(f) Transportation during these days	
Bridalveil Road .....	4,050.00
(a) Backfilling and repairing shoulders and pavement	
(b) One extra concrete culvert (size 6x6)	
(c) 1500 feet of ditch to lead the waters of Bridalveil Creek to the present culverts	
Wawona Road .....	1,500.00
Big Oak Flat Road .....	200.00
Repairs to Pipe Line .....	1,270.00
(a) Repairs and labor in replacing about 100 feet of line	
(b) 100 feet of pipe, complete	
Repairs to Power Line .....	1,500.00
(a) Resetting and repairing 15 poles located in the Merced River	
Miscellaneous Pump Motors, Water System .....	<u>190.00</u>
	\$15,000.00

All usual maintenance, repair, and operation work was carried on during the month, with nothing of special importance to report.

#### 230 New Construction

(a) Hospital: The failure of Frederick Law Olmsted, landscape architect, to visit the park during March, has delayed further study of the hospital site, so that plans for this building are at a standstill until a site is selected and mapped. We have been expecting Mr. Olmsted almost every day, but he has failed to arrive.

(b) Bridges: The bridge contractors, Rocca and Caletti, have moved the excavation material from the upstream side of Kenneyville Bridge No. 1 to the east approach. This gives a clear opening for the river flow under the bridge. The rock spandrel walls and the west approach wing walls have been placed to the elevation of the top of the concrete spandrel walls, which will be poured in the near future.

The concrete wing walls below the stone facing line have been poured on Kenneyville Bridge No. 2 and the arch centering has been removed. The contractor will start constructing the rock facing of the spandrel walls during the first part of April.

The arch centering for the Tenaya Bridge has been constructed and most of the arch ring stones placed. Concreting of the arch barrel will be started at an early date.

The excavation for the abutments of the Clark's Bridge has been completed. In order to complete the excavation before high water came, the contractor found it necessary to work a double shift. As soon as the excavation was completed, they immediately started pouring the concrete. By working long hours, they completed the pouring of the last abutment two hours before the high water came. This saved the contractor from a big loss and delay.

The test pits for the proposed Happy Isles Bridge have been completed and the data forwarded to the District Office of the Bureau of Public Roads.

(c) Guard Rail: The construction of the El Portal curb was completed by the City Improvement Company on March 17. The work was completed according to the plans and specifications and well within the allotted time. All the contractor's equipment and surplus materials have been removed, and the general clean-up work has been inspected and found satisfactory.

(d) Bridle Paths: Work was continued with two gangs until the storms on the 24th and 25th made it necessary to withdraw these workmen to take care of flood control and repair of damage done by the high waters. There are 30.5 miles to be constructed, of which 2.65 miles have been completed to date. The construction crews have been working on the section between Camp 20 and the Mirror Lake Trail, near Tenaya Creek Bridge. While the percentage of work accomplished is small, the work done so far has been the most difficult and costly of the proposed bridle path system, and much faster progress will be made from now on.

(e) Trail Bridges: One masonry abutment is in place at Tenaya Creek between Camps 8 and 12.

(f) Foot Paths: Construction was begun just east of the post office. The gang of twelve men worked only one day, when they had to be taken off for flood control work.

(g) Camp Curry Loop Road: The right of way was completed during the month. The culverts have been placed, but the head walls have not yet been started. Up to the first of March, 16.3% of the borrow material had been placed and 46.3% additional work was done during March, making the total to date 62.6%. In addition to the borrow material shown above, approximately 1,000 cubic yards of material was hauled in to replace the sod cleared from the right of way. In all, there were approximately 5,838 cubic yards of borrow placed, which was hauled in 4,457 truck loads, at an approximate average of 1.3 cubic yards per load. Since March 6 two shifts of trucks have been operated eight hours each, and the dragline is operated twenty-four hours daily. A blue print, showing the number of loads hauled from the dragline excavator each day, is attached to this report. This blue print shows a constantly increasing average number of truck loads of gravel hauled during the month, there being a marked increase when a foreman to take direct charge of the work was employed on March 7, and when this foreman was replaced by a better man on March 26 a still greater increase in loads handled was shown toward the end of the month.

In addition to having Chief Engineer Kittredge make a study of our operation, Mr. Olds of the Edward R. Bacon Company, who furnished the dragline outfit to the Government, came into the Valley to offer any suggestions, and, after studying conditions, he stated that we were operating efficiently and he had only minor suggestions to offer.

#### 240 Improvement of Approaches to the Park

On January 15 and 16 a traffic count was taken at various stations on the California Highway System under the direction of T. H. Dennis, Acting Maintenance Engineer of the California Highway Commission. This census, based on the locations enumerated, showed the following increases:

	<u>For Sunday</u>	<u>For Monday</u>
Main north and south routes in the state	15%	7%
Laterals between inland and coast routes	30%	16%
Interstate connection routes	28%	20%
Recreational routes	51%	23%

Route No. 18, from Merced to El Portal, showed a gain of 22% for Sunday and a gain of 2% for Monday.

As an indication of the increased use of the highways, it is interesting to note that in March, 1909, when the legislature of California enacted the State Highways Act, there were 28,600 vehicles registered within the state. Today, nineteen years later, there are 1,736,765 registered vehicles, or an increase of approximately 6100%. Expressed as a ratio in terms of population, in 1909 there was one car to every 83 persons, while at present there is one car to every 2.5 persons.

The first year there were 103 stations selected for making traffic counts, and now there are 836. These counts are made over two-day periods twice each year between the hours of six a.m. and ten p.m. Sundays and Mondays are usually selected as typifying the day's variation.

\* \* \* \* \*

Between Mariposa and Briceburg, reconstruction of existing roadway is being performed by convict labor. An average population of eighty convicts is being maintained in camp and two power shovels are being operated, one gas and one steam. The construction force is now located about three and one-half miles north of Mariposa.

During the month some agitation was started around Mariposa to have the State Highway Commission withdraw this convict camp. It seems there was some opposition to having this camp moved below Mariposa, in the vicinity of Cathay Valley, where considerable road widening and straightening is contemplated. On hearing this, the Park Service and other interested parties arranged for a special hearing on the case at the annual meeting of the Chamber of Commerce in Mariposa on March 31, and I understand that it was the sense of the meeting that the convict camp should not be withdrawn, and the executive officers of the Chamber of Commerce were asked to convey this resolution to the State Highway Commission.

#### 260 Landscape Work

Landscape Engineer Wosky has cooperated during the month in laying out Camp Ground No. 6 so as to provide space for the tents of the Yosemite Park and Curry Company employees, who will have to be removed from Camp 17 while construction of dormitories and employees quarters is under way. He has also supervised the obtaining of sand at the Wildcat Creek sand pit and has assisted in the location of bridle paths and the laying out of other work.

#### 300 Activities of Other Agencies in the Park

#### 310 Public Service Contractors

On March 12 the Yosemite Park and Curry Company started a daily afternoon trip to Inspiration Point, on the Wawona Road, leaving the Ahwahnee

at 1:45 p.m. and the Sentinel Hotel at 2:00 p.m. The trip lasts two hours and the fare is \$3.00 per passenger, with a minimum of four passengers required. While this trip was being made, the tour of the Valley in the afternoon was temporarily discontinued, but the trip to Mirrorlake and Happy Isles was made each morning. The fare is \$1.50 per passenger.

As soon as the Wawona Road was opened on March 21, the company started service to the Mariposa Grove of Big Trees, but were obliged to discontinue the trips temporarily because of the heavy storms.

The following are the trips offered, beginning March 21:

Mirror Lake Sunrise Trip	Leaves 9:15 a.m.	45 minutes	Fare, 50¢
Big Trees Trip	" 9:00 a.m.	All day	Fare, \$10.00
Tour of Valley	" 2:00 p.m.	2 hours	Fare, \$2.50

The Yosemite Park and Curry Company has announced the opening date for Camp Curry as May 5 and Yosemite Lodge, May 19.

The Yosemite Valley Railroad Company advised that for the month of March they handled 451 passengers in their Pullman cars, 295 from San Francisco and 156 from Los Angeles -- an average of 9.5 passengers per day in the San Francisco car and 5 passengers per day in the Los Angeles car.

The California Fish and Game Commission is at work on the establishment of an aquarium at the fish hatchery at Happy Isles. The fish that were placed in the rearing troughs last fall are soon to be released to make room for eggs which will be shipped in from the outside. Mr. Shebley, in charge of fish cultural operations, is arranging to secure rainbow trout eggs at Lake Eleanor and Laurel Lake, but, as the number of eggs that might be secured is not known, he has arranged to ship in what will be required for the Yosemite hatchery, and the balance will be sent to the Mormon Creek hatchery at Sonora.

#### 400 Flora, Fauna, and Natural Phenomena

As a special report on the Educational Department is included in the Chief Naturalist's report to the Service each month, only the most important activities will be enumerated here.

#### 420 Museum Service

(a) Visitors: There were 6,000 visitors to the museum during the month.

(b) Library: The usual library service was given, with the assistance of Mrs. Wegner and Mrs. Carpenter.

(c) Installations: A transparent key label for the Upper Sonoran life zone case was prepared and installed.

(d) Publications: The March and April numbers of Yosemite Nature Notes were produced and mailed.

(e) Accessions: A large number of very interesting accessions have been secured.

#### 500 Use of Park Facilities by the Public

There were 9,101 visitors to the park during March of this year, compared with 11,727 for March of last year. This makes a total to date of 62,235 visitors, compared with 59,877 visitors last year to date. This is a gain of 2,358 visitors to date, or 4%.

#### 520 General Weather Conditions

Weather conditions were commented on in the opening paragraph. The total precipitation to date is 28 inches, compared with 33.49 inches for the same period last year, although we had a much heavier rainfall this month than last March. The amount of snowfall in the Valley is about the same, 33.20 inches, compared with 34.5 inches. Details of the weather may be found on Form 1009 attached.

#### 540 Visitors

Dr. V. H. Pershing and party were in the park on March 3 and left on March 7.

R. L. Bowerman, superintendent of stores at Benicia Arsenal, was here on March 6 with his wife, and made an official call.

W. J. Black, Passenger Traffic Manager of the Santa Fe System, and Mr. James Duffie, General Passenger Agent, were in the park today. Other members of the party were Mr. George of the Santa Fe, Mrs. Black, and Mrs. Wilder.

Miss Harvey, sister of Frederick H. Harvey, with a party of friends, was in on March 17 and left on the 19th. In addition to touring the floor of the Valley, they drove to Inspiration Point and made a horseback trip to Vernal Falls.

Dave Jones of Cody, Wyoming, accompanied by Mrs. Jones and a niece from Fresno, were here on March 21 and went out by way of the Mariposa Grove.

Mr. Elon H. Hooker and Mrs. Hooker, with chauffeur and maid, arrived in the park on March 26 in a rent car. I permitted them to come into the Valley as far as the Ahwahnee Hotel, but provided them with the official Lincoln for their trips while here. I accompanied them on a tour of the Valley and took them to the museum, where Park Naturalist Russell took them in charge and devoted some time to them. On leaving, Mr. Hooker was kind enough to donate \$200 to complete unfinished exhibits and purchase needed reference works.

There was just one unfortunate incident during the visit. Mr. Hooker, when settling his bill at the Ahwahnee, made the statement that he thought he had been overcharged. Upon checking over the rates with him, I found that the approved rates had been charged. However, Mr. Hooker maintained that the rates were approximately 25% higher than any he had been charged in other hotels in California, and he had stayed at the very best hotels and had secured the very best accommodations. When the matter was explained to him, he was mollified, but I think he carried away the impression that the rates were higher than they ought to have been. This is the first complaint that we have had of the Ahwahnee Hotel rates, and a very careful investigation has convinced me that Mr. Hooker was not overcharged. He had the very best suite of rooms for himself and his party, and Mrs. Hooker and their daughter were thoroughly satisfied.

Mr. W. B. Storey, President of the Santa Fe Railroad, accompanied by Mrs. Storey, was in on March 25. They were taken on a tour of the Valley in the official car. Fortunately, the weather was ideal on the day they made this trip. Mrs. Storey had not been in the park since she had visited here fifteen years ago, when Roe Island was named for her, with impressive ceremonies. Mrs. Storey was formerly Miss Roe and was a close friend of Acting Superintendent W. W. Forsyth and Supervisor Sovulewski.

On March 31, Honorable Vincent Massey, Canadian Minister, accompanied by Mrs. Massey and his private secretary and maid, arrived at El Portal by train. The official car met them there and brought them to the Ahwahnee Hotel. I accompanied them on a tour of the Valley in the forenoon. They visited the lower end of the Valley in the afternoon and spent considerable time in the museum with Park Naturalist Russell.

The Minister was very anxious to visit the Mariposa Grove of Big Trees, and Rangers Lloyd and Reymann were designated to accompany them the next day. At the Trees they met a publisher of one of the important Canadian newspapers, who was in the Grove as the guest of officials of the Automobile Club of Southern California. When they left the Grove it started to storm, and the ranger had a hard time driving from the Big Trees to Merced. The Minister and Mrs. Massey were good sports through all the adverse weather and road conditions, and were very much impressed with the trip. While waiting for their train in Merced, they were the guests of Archie Stevenot, manager of the El Capitan Hotel. A special report of their visit, with some pictures taken by Ranger Lloyds, has already been sent in.

600 Protection

610 Police Protection

Only one case was handled by the U. S. Commissioner. Otto H. Fish was fined \$15.00 for possession of intoxicating liquor.

900 Miscellaneous

Medical Service

Dr. Hunt handled 96 cases, answering 176 office calls and 14 house calls, a total of 190 calls. There were two employees in the hospital for a total of sixteen hospital days.

Publicity

The Information Ranger entertained the following special visitors during the month.

Mr. Allan G. Hurst, president of the National Hotel Greeters Association, was a park visitor on March 1.

Mr. and Mrs. William Wheeler, friends of Director Mather, were guests at The Ahwahnee on March 1. They were taken for a tour of the Valley. Mr. Wheeler is business manager of the San Diego Union-Tribune.

Mr. R. B. Calkins, account executive of the H. K. McCann Company of San Francisco, was a visitor to the park on March 8. He is in charge of Yosemite and Hawaii advertising.

Mr. and Mrs. Mortimer Fleishacker, prominent San Franciscans, were registered at The Ahwahnee over the weekend of March 31.

On March 3 a story illustrated with photographs was prepared for the Associated Press on the proposed timberland acquisition.

Photography

The value of this service was demonstrated several times during the month, particularly during the storm on March 25. Mr. Lloyd secured unusual pictures of the storm damage, which helped materially in giving the Service an idea of what had occurred. A total of 135 prints were made during the month for the various department heads.

Very truly yours,

E. P. Leavitt  
Acting Superintendent

EPL:RN

cc Mr. Albright  
Mr. Kittredge

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

TRAVEL REPORT

YOSEMITE National Park for the Month of MARCH 1928.

	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 .....	1695	11415	2471	12219	-804	-7%
Cars reentry .....	857	5899	691	3772	2127	56%
Motorcycles .....	10	28	7	48	-20	-42%
Total motor vehicles .....	<u>2532</u>	<u>17342</u>	<u>3169</u>	<u>16039</u>	<u>1503</u>	<u>8%</u>
Persons entering via motor vehicles .....	8128	57667	10733	54077	3590	7%
Persons entering via other private transportation .....	<del>18</del>	<del>56</del>	<del>5</del>	<del>32</del>	<del>24</del>	<del>75%</del>
Total persons entering via private transportation .....	<del>8146</del>	<del>57723</del>	<del>10738</del>	<del>54109</del>	<del>3614</del>	<del>7%</del>
<u>OTHER TRANSPORTATION:</u>						
Persons entering via stages ..	405	2195	581	2298	-103	-4%
Persons entering via trains ..	550	2317	410	3470	-1153	-33%
Persons entering otherwise ....						
Total other transportation..	<u>955</u>	<u>4512</u>	<u>991</u>	<u>5768</u>	<u>-1256</u>	<u>-22%</u>
<u>GRAND TOTAL ALL VISITORS</u> ....	<u>9101</u>	<u>62235</u>	<u>11727</u>	<u>59877</u>	<u>2358</u>	<u>4%</u>

	This Year	Last Year	Increase	
			Number	Percent
Automobiles in public camps during month .....	92	110	-18	-17%
Campers in public camps during month .....	368	445	-77	-17%

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

.....~~Yosemite~~..... National Park for the Month of .....~~March, 1928~~.....

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date of Completion
<b>Project 1-B, Camp Curry Section (Force Account-N.P.S.)</b>				
Clearing	100	30	70	Completed
Borrow	62.6	46.3	16.3	May 15
Corrugated Metal Pipe	100	70	30	Completed
Pipe Headwalls	None	None	None	May 15
<b>Miscellaneous Trail Construction (Force Account-NPS)</b>				
Bridle Paths, Floor of Valley	8.7	4.4	4.3	June 30
Foot Paths, Floor of Valley	(Construction started March 31)			
<b>Project 1-B, Widening Shoulders (Force Account-N.P.S.)</b>				
	None	None	None	
<b><u>ROADS - B.P.R.</u></b>				
Yosemite Valley Paving 1927-28	70.9	0.0	0.0	June 30
Yosemite Bridges 1927-28	63.5	5.2	15.6	Sept. 1
El Portal Curb	100.0	11.6	19.8	Contract Com- pleted March 17, 1928.

UNITED STATES  
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NATIONAL PARK SERVICE

STATUS OF PERSONNEL

.....**Yosemite**..... National Park for the Month of .....**March, 1928**.....

	This Month	This Month Last Year
Number of employees beginning of month .....	130	101
Number of additions. . . . .	91	35
Total . . . . .	221	134
Number of separations. . . . .	13	6
Number of employees close of month . . . . .	208	128
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Number of promotions during month. . . . .	2	9
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Aggregate amount of annual leave taken .....	227 days, 6 $\frac{1}{2}$ hours	197 days, 7 hours
Aggregate amount of sick leave taken . . . . .	14	25
Aggregate amount of leave without pay. . . . .	11	12
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

..... **Yosemite** National Park for the Month of **March, 1928** .....

	This Year	Last Year
Park revenue on hand beginning of month . . . . .	41.61	
Received. . . . .	25,442.76	
Total. . . . .	25,484.37	
Remitted. . . . .	25,450.95	
On hand close of month. . . . .	33.42	
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Park revenues received this year to date. . . . .	204,107.50	
Park revenues received last year to date. . . . .	152,002.00	
Increase. . . . .	52,105.50	
Percent of increase . . . . .	34.2%	
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

REPORT OF SALES OF PUBLICATIONS

MARCH, 1928

	Number	Value
<u>GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month . . . . .	4781	\$636.60
Received during month . . . . .		
Total . . . . .	4781	\$636.60
Sold during month. . . . .	45	7.00
On hand at close of month . . . . .	4736	\$629.60
 <u>NON-GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month . . . . .		
Received during month. . . . .		
Total . . . . .		
Sold during month. . . . .		
On hand at close of month . . . . .		
Cash on hand beginning of month. . . . .		\$862.35
Sales during month. . . . .		7.00
Total . . . . .		\$869.35
Remitted during month. . . . .		-
Balance . . . . .		\$869.35

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

Yosemite National Park for the Month of March, 1928

	This Month	This Month Last Year	Increase	Percent Increase
<b>LOCAL BUSINESS</b>				
Miles of circuit maintained, . . . . .	196	160	36	22
No. of telephones connected, . . . . .	222	107	115	107
No. of measured service calls, . . . . .	97	-	-	-
No. of other local calls, . . . . .	21703	-	-	-
Total No. of local calls, . . . . .	21800	16920	4880	28
Peak load in calls per day, . . . . .	1118	930	188	20
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Receipts from measured service calls, . . . . .	\$9.40	-	-	-
" " coin boxes, . . . . .	1.65	-	-	-
" " telephone rental, . . . . .	406.05	150.50	255.55	169
<b>TOTAL RECEIPTS</b>	<b>417.10</b>	<b>-</b>	<b>-</b>	<b>-</b>
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<b>LONG DISTANCE BUSINESS</b>				
No. Outbound calls, . . . . .	422	497	-75	-15
No. Inbound calls, . . . . .	283	452	-169	-37
<b>TOTAL LONG DISTANCE CALLS</b>	<b>705</b>	<b>949</b>	<b>-244</b>	<b>-25</b>
Peak load in calls per day, . . . . .	57	47	10	21
Receipts from Long Distance business, . . . . .	197.40	265.72	-68.30	-25
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<b>TELEGRAPH BUSINESS</b>				
Messages via Western Union, . . . . .	923	898	25	2
Messages via P. T. & T. Co., . . . . .	8	2	6	300
<b>TOTAL MESSAGES</b>	<b>931</b>	<b>900</b>	<b>31</b>	<b>3</b>
<hr/>				
Receipts from telegraph business, . . . . .	\$231.67	\$230.58	\$1.09	1
No. of money transfer messages, . . . . .	13	17	-4	-23
" " " " receipts, . . . . .	7.28	12.29	-5.01	-40
<b>TOTAL RECEIPTS TELEPHONE &amp; TELEGRAPH DEPTS</b>	<b>436.35</b>	<b>508.59</b>	<b>72.24</b>	<b>-14</b>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

\*ELECTRICITY GENERATED, SOLD, USED, ETC.

Yosemite

March, 1928

National Park for the Month of

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
Current generated, . . . . .	1490075	7394585	605915	4791775	2602810	54
Sold to park operators, . . . .	252967	2769285	277473	1972461	796824	40
Sold to others, . . . . .	886400	2033890	0	1023789	1010101	98
Furnished to other Governmental agencies, . . . . .	11230	87937	14510	79254	8683	10
Used by National Park Service, lost in transit, etc., . . . .	359478	2503473	314132	1716271	787202	40
Total current generated, . . .	1490075	7394585	605915	4781775	2602810	54

Amount receivable from the sale of electricity, . . . . .	1928	\$ 2650.23
	1927	3194.37

\* Indicated by K. W. H.

MONTHLY SUMMARY.

COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD:

Month of March, 1928; Station, Yosemite; County, Mariposa  
 State, California; Latitude, 31; Longitude, 119; Hour of Observation, 4 P.M.  
 Pac. 4

TEMPERATURE.

Mean maximum, 63.58  
 Mean minimum, 34.48  
 Mean, 49.03  
 Maximum, 78; date, 18th  
 Minimum, 24; date, 28th  
 Greatest daily range, 46

PRECIPITATION.

Total, 9.8 inches.  
 Greatest in 24 hours, 2.78; date, 25th  
 SNOW.

Total snowfall, 0 inches; on ground 15th, 0 inches;  
 at end of month, none inches.  
 NUMBER OF DAYS—  
 With .01 inch or more precipitation, 14  
 Clear, 13; partly cloudy, 5; cloudy, \_\_\_\_\_  
 DATES OF—

DATE.	TEMPERATURE.				PRECIPITATION.						CHARACTER OF DAY TO SUNRISE TO SUNSET.	MISCELLANEOUS PHENOMENA.
	MAX. TEMP.	MIN. TEMP.	RANGE.	* SET MAX.	TIME OF BEGINNING.	TIME OF ENDING.	AMOUNT.	SNOWFALL IN INCHES.	DEPTH OF SNOW ON GROUND AT TIME OF OBSERVATION.	PREVAILING WIND DIRECTION.		
1	57	31	26								Cloudy	
2	62	33	29		3 pm		.12				"	
3	58	33	25		6 pm		.67				"	
4	54	32	22								Clear	
5	57	30	27		3 pm		Trace				Cloudy	
6	55	29	24		12:30 pm		.24				"	
7	57	31	26		3 pm	6 am	.05				P. Cloudy	
8	59	35	24				.33				Clear	
9	64	40	24								P. Cloudy	
10	68	31	37								Cloudy	
11	67	35	32		3:15 pm		Trace				Clear	
12	63	36	27				.16				Cloudy	
13	55	40	15				.18				Clear	
14	63	35	30				.28				"	
15	67	30	37								"	
16	69	30	39								"	
17	73	34	39								"	
18	78	32	46								"	
19	77	34	43								"	
20	76	42	34								"	
21	75	40	35								Cloudy	
22	74	45	39		9 am		.28				"	
23	68	40	28				1.09				"	
24	58	41	17				1.40				"	
25	53	44	9				2.78				"	
26	65	39	26				.40				P. C.	
27	58	33	35				1.82				Cloudy	Snow melted as fell
28	52	24	28								P. Cloudy	
29	60	31	29								Clear	
30	67	32	35								"	
31	64	29	35								P. C.	
MEAN	63.6	34.5	29.4									
STATION	1971	1069	922									

\* Reading of maximum thermometer immediately after setting.  
 † Including rain, hail, sleet, and melted snow.  
 ‡ Thunderstorms, hail, auroras, etc.

(IN TRIPLICATE)

See cover for instructions.

4-23

Post-Office Address,

Cooperative Observer.

DEPARTMENT OF INTERIOR  
NATIONAL PARK SERVICE  
YOSEMITE NATIONAL PARK

E. P. LEAVITT, ACTING SUPERINTENDENT.

FROM JAMES V. LLOYD  
INFORMATION RANGER  
YOSEMITE NATIONAL PARK  
CALIFORNIA

YOSEMITE, MARCH 6 -- MANY VISITORS ARE BEING ATTRACTED TO  
YOSEMITE AT THIS SEASON OF THE YEAR BY THE "OPEN WINTER CONDITIONS"  
THAT ARE PREVAILING. ALL THE ROADS ON THE FLOOR OF YOSEMITE VALLEY  
ARE READILY ACCESSIBLE BY MOTOR CAR, WHILE THE TRAILS ARE BEGINNING  
TO FIND GREAT FAVOR WITH PERSONS ENJOYING HIKING AND HORSEBACK RIDING  
AS INVIGORATING MOUNTAIN SPORTS.

ACCORDING TO ACTING SUPERINTENDENT E. P. LEAVITT THIS HAS  
BEEN ONE OF THE MILDEST WINTERS IN THE HISTORY OF THE PARK.  
RANGERS PATROLLING THE WAWONA ROAD RECENTLY REPORTED THIRTY INCHES  
OF SNOW AT CHINQUAPIN, THE SUMMIT OF THE ROAD. THIS INDICATES THAT  
THE WAWONA ROAD LEADING TO THE WIDELY KNOWN MARIPOSA BIG TREE GROVE  
WILL PROBABLY OPEN SEVERAL WEEKS EARLIER THAN USUAL THIS YEAR, IF THE  
WARM WEATHER CONTINUES.

THE YOSEMITE TRAVEL REPORT FOR THE MONTH OF FEBRUARY  
REVEALS AN INCREASE OF TEN PER CENT IN THE TOTAL NUMBER OF VISITORS  
TO DATE THIS SEASON OVER THE SAME PERIOD FOR 1927. MOTOR TRAVEL TO  
THE PARK IS SHOWING A FOURTEEN PER CENT INCREASE FOR 1928 OVER THE  
PAST YEAR DUE, IN A LARGE MEASURE, TO THE VERY EXCELLENT CONDITION  
OF THE ALL-YEAR HIGHWAY ENTERING THE PARK FROM MERCED.

Yosemite National Park

TRAVEL REPORT

February, 1928

	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	3,055	9,720	3,547	9,748	- 28	- 28%
Cars reentry	714	4,880	793	3,081	1,799	58%
Motorcycles	2	18	2	41	- 23	- 56%
Total motor vehicles	3,771	14,618	4,342	12,870	1,748	14%
Persons entering via motor vehicles	13,774	49,555	16,323	43,344	6,221	14%
Persons entering via other private transportation	--	12	3	29	- 17	- 58%
Total persons entering via private transportation	13,774	49,577	16,326	43,373	6,204	14%
<u>OTHER TRANSPORTATION:</u>						
Persons entering via stages	314	1,790	321	1,717	73	4%
Persons entering via trains	807	1,767	284	3,060	-1,293	- 32%
Total other transportation	1,121	3,557	608	4,777	-1,220	- 26%
<u>Grand total all visitors</u>	<u>14,895</u>	<u>53,134</u>	<u>16,934</u>	<u>48,150</u>	<u>4,984</u>	<u>10%</u>

	This year	Last year	Increase	
			Number	Percent
Automobiles in public camps during month	149	84	65	77%
Campers in public camps during month	598	337	261	77%

