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Yosemite National Park

SUPERINTENDENT'S MONTHLY REPORT

FOR

APRIL, 1929

UNITED STATES
DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

YOSEMITE NATIONAL PARK

OFFICE OF THE SUPERINTENDENT

CALIFORNIA May 7, 1929

The Director
National Park Service
Washington, D. C.

Dear Mr. Director:

I am submitting herewith, a brief outline of Yosemite National Park's activities for the month of April, 1929.

000 General

Yosemite experienced a "between season" lull in travel during the month of April, travel to the Park falling below average. Even the heavy snow storm of April 4 on which date $15\frac{1}{2}$ " fell on the Valley floor failed to revive travel statistics. This heavy snowfall of April 4 brought the total for the winter up to $86\frac{1}{2}$ ", or $14\frac{1}{2}$ " more than the 72" average for the last 18 years.

April has been an exceedingly active month. The recession of snow about the middle of the month permitted the resumption of maintenance operations and of certain construction items. Preparations for new construction have consumed a good deal of the time.

The Camp Grounds have been opened and put into routine use and all of the minutia incidental to the use of the Park by the Public are in motion.

Coupled with these intensive activities, the Advisory Board met in the Park for five days and the Director was here for two weeks. I was away for a few days and moved my family and effects from Medford to Yosemite.

April has been a rather hectic month, made more so by several storms.

100 Administration

110 Status of Work

In general we are probably abreast of conditions. Due to temporary losses in the office, because of sickness and leaves of

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absence, we have been crippled clerically, but the use of three temporary people has taken up most of this slack.

The ranger force has been similarly crippled and we have barely gotten by, although not with conspicuous success due to shortage of men.

Maintenance is in somewhat better condition and construction likewise.

The Naturalist function is woefully behind in its expectations of progress - a condition that has seemed chronic since I arrived here. We are, however, gradually taking up the slack in all departments.

120 - Park Inspections By

121 Park Superintendent

Superintendent Thomson made several inspection trips on the floor of the Valley during the month. It was impossible to take any high country trips due to snow conditions, and because his presence was necessary at headquarters almost the entire time.

On April 1, Assistant Superintendent Leavitt, and Assistant to the Superintendent, J. V. Lloyd attended the regular meeting of the Board of Supervisors of Mariposa County at which time there was a preliminary discussion of the toll road to be constructed from Briceburg to Haywards.

On April 8, Superintendent Thomson and Assistant to the Superintendent Lloyd attended the meeting of the Board of Supervisors at Mariposa. At this meeting, the tolls for the new road from Briceburg to Haywards were fixed, the Board of Commissioners were appointed, and the franchise actually became effective.

123 National Park Service Officials

Director Albright arrived in the Park on April 12, and departed for the San Francisco headquarters on May 3. During this period, he made a short trip to Sequoia Park. During his stay in Yosemite, he went into a large miscellany of Park problems intensively.

Chief Engineer Kittredge was here throughout the stay of the Advisory Board, April 14 to 18.

Junior Landscape Engineer Wosky was also here during the visit of the Advisory Board, and returned on April 25 for an all-summer assignment.

Superintendent John R. White of Sequoia National Park arrived in Yosemite on April 18 to attend the meeting of the Regional Conservation Committee of the California Development Association which was held in the Park on April 19 and 20.

Superintendent E. C. Solinsky of Crater Lake was here from April 4 to 26 to help out on special Yosemite private land problems and for other purposes.

Custodian W. I. Hawkins of Pinnacles National Monument arrived in Yosemite on April 25 for a conference with Director Albright.

Mr. Carl Bachem appointed as a temporary ranger at Yosemite pending a more appropriate status was here from the 11th of April until the 26th. Dr. L.I. Hewes of the B.P.R., and Messrs. Miller and Patterson of the Bureau of Entomology were Park visitors during the month.

125 Other Governmental Officers

Mr. T. G. McCarthy, and Mr. Fred Baker of the United States Indian Service visited the Valley and Indian Village on April 11. These gentlemen took a census of the Indian residents of Yosemite Valley, inspected their general living conditions, etc.

127 Other Agencies

Mr. Frederick Law Olmsted and Dr. John P. Buwalda of the Yosemite Advisory Board were here from the 14th until the 18th, and gave us decisions on three important problems. (1) The Camp Curry circulation and parking layout. (2) The winter camp ground (which is to be merely a winter picnic ground), and (3) Limits of the residential area for Government employees.

The regional council of the Conservation Committee of the California Development Association met in the Park on April 19 and 20.

130 Finance and Accounts

The status of appropriations is as follows:

<u>Appropriation</u>	<u>Allotment</u>	<u>Expended & Obligated</u>	<u>Unencumbered Balance</u>
National Park Service, 1928-29	\$ 437,535	\$ 293,302.68*	\$ 144,232.32*
Roads and Trails, N.P.S.	1,725,478.08	1,591,530.43*	133,947.65*

*Estimated

140 Labor Situation

Labor is abundant and is reported by foremen to be of good character. The initiation of new construction and maintenance projects has pushed our crews up to a total of 233 at the close of the month.

170 Plans, Maps, and Surveys

The speeding up of work has been accomplished by heavy demands upon the drafting room; midnight oil has been the rule every night. Just now our main concern is the working plans for the new hospital, funds for which are available only until June 30.

200 Maintenance, Improvements, and New Construction

210 Maintenance (roads)

All of the roads on the floor of the Valley are in good condition. In addition to the routine maintenance of the Valley floor system, 9,000 gallons of oil have been used in dust-proofing unpaved roads. On May 1, oiling operations will be begun on the Wawona Road, but reasonable progress cannot be expected until after the delivery of our three new oil tank trucks.

The shoulder widening projects have been pushed throughout the month with a force of ten to twenty-five men, and three to six trucks.

On three miles of pavement, some special work has been done involving the placing of loam so as to permit restoration to the very edge of the pavement.

The placement of rock curbing has been completed and is quite effective.

Outside of the Valley we broke through the snow to the lower portion of the Mariposa Grove of Big Trees on April 17. Subsequently this Wawona Road was conditioned by equipment and two miles have been surfaced with reject crushed material which consolidates beautifully and forms a fine base for oiling operations.

The Big Oak Flat Road is opened only to Gentry Checking Station. Work is being continued to open this road the entire distance as rapidly as possible. It is planned that the road will be opened not later than May 12.

210 Maintenance (trails)

All of the various bridle paths, foot paths, and trails on the floor of the Valley are in excellent condition. The trail to Vernal Falls has been conditioned; the trail to the foot of the upper Yosemite

Falls has been opened; and the Four-Mile trail to Glacier Point is now being opened with assurance of usefulness by May 6.

There is under way a considerable miscellany of maintenance of roads, trails, buildings, etc., the total of which is imposing, but each too minor to chronicle here.

210 Maintenance (Sanitation)

Sanitation has been stressed all month. We have made real headway in the cleanup of all Government areas during the month. A large amount of junk has been hauled away and all of the public camp grounds much bettered in appearance.

Sanitary Inspector Hilton has been very effective in all of the ramifications of his department.

230 New Construction

Plans for the employees cottage and the women's convertible dormitory have been approved; proposals are out for the material; locations have been spotted; and foundations will be under way immediately.

A settling tank for the water supply (Happy Isles) is under way. The trail has been conditioned; tank site excavated; gravel for concrete stock-piled at Happy Isles; and proposals are out for the lumber and reinforcing steel required.

The riprapping of the big sugar pine is done - and very well done. This involved the riprapping of 120 lineal feet of river bank to an average height of 20 feet with an average thickness of 6 feet, followed by bank filling of gravel and earth and the placement of surface loam sown with red clover and timothy.

The Happy Isles road job has been resumed; likewise the Happy Isles parking area.

The Mirror Lake parking area has received some attention.

The New Village Parking area has been completed by the placement of 6,200 lineal feet of heavy curb rock and the finishing of shoulders.

The clearing operations on the Wawona Road (preliminary to B.P.R. construction under the Bechtel and the Connelly contracts) were resumed the first week in April and have been pushed vigorously despite set-backs by weather and faulty equipment. It has been a major job due to the necessity for keeping well ahead of the shovels and particularly because of our anxiety to complete burning of slashing before the onset of critical fire hazards. In the main it is a right-

of-way clearing through generally heavy stands of yellow pine, sugar pine, and cedar, and through uniformly rough country. To date there is a satisfaction with the situation on the part of Resident Engineer H. S. Tolen of the Bureau of Public Roads and the contractors, and my own inspection yesterday revealed a minimum of damage to the forest by either felling or burning. However, Yosemite's lack of suitable mechanical equipment is reflected in all such jobs by disproportionate costs and an efficiency below the expectations of proud men. This project is about 25% completed.

The trail bridge between camps 7 and 16 is 30% completed and promises to be an appropriate structure.

The Glacier Point trail project is being resumed.

Reconstruction of the Mist Trail has been resumed, about 500 feet being completed this month except for oiling.

The assigning of Mr. A. E. Cowell, civil engineer who reported for duty April 12 as a seasonal assistant for Park Engineer Taylor has been a great impetus to our work.

The following excerpt from the monthly report of Park Engineer Taylor is of interest: "The San Francisco office of the Chief Engineer is proving exceptionally valuable to this Park as a reservoir of technical help and advice." I heartily concur in Mr. Taylor's statement.

Mr. I. F. Davidson who was with the Superintendent two summers at Crater Lake as general construction foreman has been with us all month and has been of great value to Mr. Taylor.

The above resume is really an inadequate index of our activities under maintenance and construction. The work is getting under way with a snap and vigor that seems to assure completion of all projects before October 15, the dead line established for all such work.

231 Bureau of Public Roads Activities

At Happy Isles Bridges, have excavated both foots for west swing walls and poured struts; have placed arch ring stones for the easterly underpass and have started to build the forms.

On the Wawona Road, contractor Connelly has been in about six weeks, but due to bad weather has been unable to excavate very much material; has rough-graded about 2900 feet to date and has placed all but three culverts. At the present time is working on concrete culvert at Grapevine turn; has one steam shovel on the job and expects to bring in another one within the next ten days.

Contractor Bechtel has been established at his camp at Eight Mile about ten days; has brought in two shovels and will commence work within the next few days.

300 Public Service Contractors

The new cafeteria and dining room at Camp Curry are rounding into completion very rapidly. No brief report could suggest the excellence of this layout, the equipment, and the appropriate beauty of the interior decoration, particularly the ceiling of the dining room. It will be completed before May 11 when it will be dedicated at a large dinner party for which Mrs. Curry has issued some 160 invitations.

The inclosure of the Ahwahnee against deer etc. by fence and cattle guard is about completed.

At the Superintendent's request, the Yosemite Park and Curry Company have removed all of their rental tent platforms from the various public camp grounds and have concentrated them in Camp 16, which this year will be devoted solely to their use. The other camp grounds are being used only by campers bringing their own tents and equipment.

Camp Curry will be officially opened on May 11 for the summer season at which time Yosemite Lodge will be closed for housekeeping.

A great deal of the Company's time was spent dismantling their winter sport equipment, and in a general cleanup of their units.

The largest housecount at the Company's units was 550 on April 27, and the smallest housecount during the month dropped to 102.

A vexing problem arose through a complaint by Mr. Clarkson, a former employee of Mr. Boysen, a photographic concessioner. On the basis of a verbal agreement between the two, Mr. Clarkson had erected a residence for himself on land leased by Mr. Boysen, and after their disagreement, Mr. Boysen refused to either purchase the cabin or permit Mr. Clarkson to occupy it if (as he planned) Mr. Clarkson went to work for another concessioner. I informed them both that the departmental contract was with Mr. Boysen solely; but in order to solve the impasse we had to devote a good deal of time to the problem. In the end, the Superintendent succeeded in bringing the two men together and yesterday a letter was received from Mr. Boysen thanking us for helping solve a difficult situation. Appropriate steps will be taken to clear up two other similar situations existing with other concessioners.

400 Flora, Fauna, and Natural Phenomena

420 Museum Service

The Naturalist service continued so swamped by administrative work as to be comparatively ineffective in contact work. Mr. Russell is working day and night in an effort to so arrange things as to correct this inadequate service to the public. With the coming of the first temporary men about the middle of May, this service will again resume its best functions.

An outstanding accomplishment has been the mimeographing of the Ranger-Naturalist Manual. It is not only excellent in its material, but in its form. It has been accomplished principally through the fine cooperation of the offices of the Chief Ranger and of the Chief Clerk. Because it will be placed in the hands of not only every Ranger-Naturalist, but also every permanent and temporary ranger, it will go a long ways toward forwarding our aim of qualifying every contact man (ranger and ranger-naturalist) as a versatile exponent of Park values.

The Park Naturalist estimates a contact with their service to about 9,800 visitors out of the 13,366 who entered the Park during the month, but I am disposed to quarrel with this estimate as altogether too liberal.

A general picture of the museum and naturalist service during April is one of overwork, with a heavy preponderance of administrative over contact work and the fierce efforts of an undermanned department to catch up with demands upon it. Despite depressing discouragement and overwhelming shortage in resources, the Department retains an optimism certain to bring results.

Ranger Godfrey who has been assigned to the Museum all winter departed on the 22nd to assume the Chief Rangership at Crater Lake. His going leaves a vacancy which will be difficult to fill here.

There were several accessions to the Museum through gifts.

Among the most important contacts were four illustrated lectures given to a total of 800 people at the Lodge, and six geology lectures given to ninety people at the Museum.

470 Animals

Skunks remained an odorous problem. As an example of their precocity, one has been wandering through The Ahwahnee, creating quite a disturbance when cornered by a small boy on the fourth floor, with results as practiced by skunks. We are continuing our box trap methods with only indefinite results; other methods have failed.

The bears are already numerous, to the great enjoyment of the tourists, and to the usual discomfort of housewives.

We have authentic information on a cougar very active around Alder Creek; a liver-pancreas-eating savage that is making his nine or ten day circuit with almost daily kills.

With grass ~~grown~~ lush on the Valley floor, the local deer are already in considerably better flesh.

490 Miscellaneous

The fishing season opened on May 1, and reasonably good catches have been the general report despite high water.

500 Use of Park Facilities by the Public

Detailed travel report is shown on form attached. A total of 13,367 persons visited the park during April, a decrease of 6,174 over the total for last April. An increase of 7% is shown in total travel to date; the total for this year is 87,647.

520 Weather Conditions

Detailed report of weather is given on Form 1009, attached.

The first spring thunder storm visited the Valley on April 22 and 23, adding four inches of rain to this season's total precipitation of 22.93". This is about two-thirds of normal for this time of year.

Snow depths on April 23 showed 18" at Inspiration Point; 24" at Chinquapin; 20" at Glacier Point; 18" at Yosemite Point; 84" at Badger Pass (due to drifts), and 18" at Little Yosemite.

540 Visitors

Miss Clarimore Stinnes, daughter of the late Hugo Stinnes, the German financier, with her traveling companion, C. Sodestrom, arrived in her own car at Yosemite on April 3; Miss Stinnes is on the last lap of a world tour by automobile.

Mr. Connick of the State Park Commission and Mr. Bull, Chairman of the State Highway Commission visited the Park on April 28 and 29.

600 Protection

610 Police Protection

One case was brought before the United States Commissioner during April, that of Mr. D. G. Hornsby, a young Jewish salesman

from Los Angeles, who pleaded guilty to the possession of five quarts of liquor, and which involved the piling up of a car against a tree. He was fined \$50.00.

As with the Ranger-Naturalist service, the Ranger Department has been undermanned throughout the month due to illness, to leaves of absence, and to what I am beginning to believe is an inadequacy of personnel to meet the multitudinous obligations resting upon this Department.

Assistant Chief Ranger Wegner takes over fire control, park signs, and the inspection of outlying ranger stations from now on.

At the specific suggestion of Dr. Miller of the Bureau of Entomology, Ranger Adair has been detached from all ranger duties and assigned as acting forester, this change being necessitated by the loss of Assistant to the Superintendent, Solinsky. After a week's leave of absence because of infected eyes, Ranger Adair is actively engaged in insect control and the selection of snags for wood cutters.

Ranger Nelson is being definitely assigned to camp grounds.

The night watchman function has been added to the Ranger Department.

The permanent ranger personnel has been studying under the supervision of the Park Naturalist. Almost without exception the men are eager to enlarge their usefulness by becoming as thoroughly versed as possible in the various Park phenomena.

900 Miscellaneous

Medical Service

Dr. Hunt handled 163 cases, answering 302 office calls and 44 house calls, a total of 346 calls. There was one death during the month, that of baby David Hogan. There were three cases of scarlet fever during the month. Dr. Harder, Dr. Hunt's assistant handled the quarantine efficaciously.

Publicity and Public Relations

In company with Director Albright, Ranger Charles Adair and John L. Dexter, Publisher ~~the~~ Mariposa Gazette, Assistant to the Superintendent, J. V. Lloyd, who is in charge of Public Relations, attended the exercises marking the 75th anniversary of the Mariposa County Courthouse at Mariposa. Director Albright was the principal speaker of the day at this celebration.

Mr. Lloyd accompanied Director Albright to Sequoia National Park on April 28 and remained there until Tuesday, April 30 when he left in company with the Director to attend a meeting held in Visalia. While enroute back to Yosemite, both Mr. Lloyd and Director Albright visited a number of Fresno newspapermen.

The departure of the Albright and Solinsky families will leave very definite gaps in the community life of Yosemite.

The Superintendent has been made a member of the road committee of the regional board of the California Development Association, a very useful assignment.

The franchise for a toll road between Briceburg and Haywards commented upon in previous narrative reports has been consummated by Mariposa County. The Superintendent was personally informed by one of its promoters that it still remains to be financed.

One of the most difficult problems confronting us this spring was the housing of our temporary women employees. This problem has been solved for the present at least, through the erection of tent-houses near the women's dormitory section; these tent-houses will adequately care for all of the temporary women employees during the summer months, as soon as the wood shed used in the girls' dormitory section has been converted into washroom with shower and lavatory.

The vacancy in the position of Assistant to the Park Superintendent created by the transfer of Mr. Solinsky to Crater Lake has been provisionally filled by the administrative appointment of Mr. J. W. Emmert. Our organization for the summer is as per the attached special order #64, which is self-explanatory and which will be of special interest to you.

Very respectfully yours,

cc
Yellowstone
San Francisco

Superintendent

April 23, 1929

SPECIAL ORDER #64

Effective this date, and pending qualification, Mr. J. W. Emmert becomes Assistant to the Superintendent.

In this capacity he assumes full responsibility for, and authority over (under the Superintendent) the following Departments:

- Engineering
- Sanitation
- Mechanical
- Electrical
- Telephone and Telegraph
- Service operations.

The Assistant Superintendent is assigned as administrative officer in charge of

- Finance
- Disbursing
- Purchasing
- Warehouse
- Files
- Budgets
- Reports
- Etc.

The Ranger Department, the Naturalist Department, Assistant to the Superintendent Lloyd, and Mrs. Bany will report directly to the Superintendent as heretofore.

Superintendent

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

..... YOSEMITE National Park for the Month of APRIL 1929

	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	2,783	16,609	3,772	15,187	1,422	9%
Cars reentry	1,231	8,304	1,838	7,737	567	7%
Motorcycles	4	36	13	41	- 5	-12%
Total motor vehicles	4,018	24,949	5,623	22,965	1,984	9%
Persons entering via motor vehicles	12,335	81,765	17,738	75,486	6,279	8%
Persons entering via other private transportation	16	66	12	29	37	128%
Total persons entering via private transportation	12,351	81,831	17,760	75,515	6,316	8%
<u>OTHER TRANSPORTATION:</u>						
Persons entering via stages ..	451	2,440	1,132	3,327	- 887	-27%
Persons entering via trains ..	565	3,376	617	2,934	442	15%
Persons entering otherwise						
Total other transportation..	1,016	5,816	1,761	6,261	- 445	- 7%
GRAND TOTAL ALL VISITORS	15,367	87,647	19,541	81,776	5,871	7%

	This Year	Last Year	Increase	
			Number	Percent
Automobiles in public camps during month				
Campers in public camps during month				

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UNITED STATES
DEPARTMENT OF THE INTERIOR
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STATUS OF PERSONNEL

Yosemite National Park for the Month of April, 1929

	This Month	This Month Last Year
Number of employees beginning of month,	128	208
Number of additions,	204	89
Total,	332	297
Number of separations,	36	37
Number of employees close of month, . .	296	250
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Number of promotions during month	2	0
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Aggregate amount of annual leave taken,	210 ¹ / ₂ days	131
Aggregate amount of sick leave taken,	13	1
Aggregate amount of leave without pay,	22	3

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

YOSEMITE

National Park for the Month of April 1929

	This Year	Last Year
Park revenue on hand beginning of month	89.45	
Received.	12,781.80	
Total.	12,871.25	
Remitted.	12,805.49	
On hand close of month.	65.76	
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Park revenues received this year to date.	168,487.30	
Park revenues received last year to date.	220,187.45	
Increase.	51,700.15	
Percent of increase Decrease	28%	

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF SALES OF PUBLICATIONS

Yosemite

April 1929

	Number	Value
<u>GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month	5913	692.40
Received during month	--	--
Total	5913	692.40
Sold during month.	2	.20
On hand at close of month	5911	692.20

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.	32.05
Sales during month20
Total	
Remitted during month.	
Balance	<u>\$32.25</u>

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

Yosemite

National Park for the Month of April, 1929

	This Month	This Month Last Year	Increase	Percent Increase
LOCAL BUSINESS				
Miles of circuit maintained,	227	220	7	3
No. of telephones connected,	230	225	5	2
No. of measured service calls,	210	226	-16	-7
No. of other local calls,	27624	30,431	-2807	-9
Total No. of local calls,	27834	30,657	-2823	-9
Peak load in calls per day,	1668	2,079	-411	-20
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Receipts from measured service calls, . . .	17.20	\$13.65	3.55	26
" " coin boxes,	3.10	2.65	.45	17
" " telephone rental,	444.50	379.97	64.53	17
	464.80	396.27	68.53	17
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TOTAL RECEIPTS				
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LONG DISTANCE BUSINESS				
No. Outbound calls,	609	686	- 77	-11
No. Inbound calls,	479	488	- 9	- 2
	1,088	1,174	-86	-7
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TOTAL LONG DISTANCE CALLS				
Peak load in calls per day,	59	70	-11	-16
Receipts from Long Distance business, . .	\$304.64	324.80	-20.16	-6
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TELEGRAPH BUSINESS				
Messages via Western Union,	1,045	1,547	-502	-32
Messages via	78	26	52	200
TOTAL MESSAGES	1,125	1,573	-450	-28
<hr/>				
Receipts from telegraph business,	\$252.20	406.76	-154.56	-38
No. of money transfer messages,	16	30	-14	-47
" " " " receipts,	9.78	17.50	-7.72	-44
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TOTAL RECEIPTS TELEPHONE & TELEGRAPH DEPTS	\$1031.42	\$1145.33	-113.91	-10

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

H Yosemite National Park for the Month of April 1929

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
Current generated,	1,341,350	6,319,140	177,165	7,571,750	-1252610	-16
Sold to park operators, . . .	384,627	2,757,172	46546	2,815,831	- 58659	- 2
Sold to others,	544,200	2,195,600	6600	2,040,490	- 155110	7
Furnished to other Governmental agencies,	17,475	114,439	7108	95,045	19394	20
Used by National Park Service, lost in transit, etc., . . .	395,048	2,963,203	106911	2,621,384	341819	13
Total current generated, . .	1,341,350	6,319,140	177165	7,571,750	-1,252,610	-16

Amount receivable from the sale of electricity, In. Valley (1929).	\$ 4,113.90.....
(1928)	590.34

* Indicated by K. W. H.

Purchased from S.J.L. & P. Co. 200 K.W.H.
Demand - 130 K.V.A. 6:30 P.M. 3/22/29

U. S. Department of Agriculture, Weather Bureau

COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD:

Month of April, 1929; Station, Yosemite; County, Mariposa P. M.

CALIF.

State, Calif.; Latitude, 31°; Longitude, 119°; Time used on this form, 4 P. M.

DATE.	TEMPERATURE.				PRECIPITATION.				DIRECTION OF WIND.	CHARACTER OF DAY.	MISCELLANEOUS PHENOMENA.
	MAX. MOU.	MIN. MOU.	RANGE.	* SET MAX.	TIME OF BEGINNING.	TIME OF ENDING.	AMOUNT.	SNOWFALL IN INCHES.	DEPTH OF SNOW ON GROUND AT TIME OF OBSERVATION.	OF DAY SUNRISE TO SUNSET.	
1	68	33	35							Clear	
2	72	34	38							"	
3	60	37	23				1.5	1"	1"	P. cloudy	
4	51	33	18							"	
5	43	24	19				1.35	12"	12"	"	
6	40	14	26				.22	2.5	9"	Clear	
7	43	15	28				.01	trace	4"	Cloudy	
8	42	27	15				.24	2"	5"	Cloudy	
9	50	28	22				.42	2.5	4.5"	Clear	
10	37	31	26							Cloudy	
11	61	30	31							P. cloudy	
12	60	29	31							cloudy	
13	55	31	24							clear	
14	67	33	34							"	
15	73	38	35							"	
16	76	32	44							"	
17	74	33	41							"	
18	60	39	21				trace			Cloudy	
19	51	27	34				.30			"	
20	64	34	30							Clear	
21	57	32	25				trace			P. Cloudy	
22	52	34	18				.35	trace		"	
23	64	31	33				.05			Cloudy	
24	64	31	33							P. cloudy	
25	64	26	38							Clear	
26	70	37	23							"	
27	71	35	36							"	
28	76	40	36							"	
29	76	40	36				trace			P. Cloudy	
30	69	40	29							Clear	
31	71	38	33							Clear	
32	74	38	36								
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(IN TRIPLICATE.)

See cover for instructions

8-7-23

Post-Office Address,

7.3 Townsend, Cooperative Observer.

National Park

MONTHLY SUMMARY.

TEMPERATURE.

Mean maximum, 61.37Mean minimum, 31.80Mean, 45.58Maximum, 76Minimum, 14Greatest daily range, 44Greatest in 24 hours, 4.44Total, 1.5Greatest in 24 hours, 4thTotal snowfall, 20 inches; on ground 15th, 0 inches;at end of month, none inches.

NUMBER OF DAYS—

With .01 inch or more precipitation, 9Clear, 15; partly cloudy, 6; cloudy, 9

DATES OF—

Killing frost, April 23, 1929Thunderstorms, Light, Hail Moderate, Heavy, Sleet, Auroras,

REMARKS: