

SUPERINTENDENT'S MONTHLY REPORT

AUGUST
1931

YOSEMITE NATIONAL PARK

CALIFORNIA

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

OFFICE OF THE SUPERINTENDENT

September 4, 1931

The Director,
National Park Service,
Washington, D. C.

Dear Mr. Director:

I am submitting herewith report on activities in Yosemite National Park for the month of August, 1931:

000 - GENERAL

The weather was clear and warm all of August with only a slight shower of .01 inch on the 12th to form a slight break in an unusually hot and dry summer season. Fire hazard was extremely high all month and fortunately Yosemite had only two very small fires in August which were controlled without any damage to brush or timber. Travel showed a slight loss for the month, due no doubt to the hot weather and lack of water in the falls.

020 - General weather conditions

This month high temperatures prevailed all of August, with several days over 100° and reaching a maximum of 102° on August 24. This is one of the driest years in Yosemite's weather records and precipitation for the past winter season was only 66% of normal. Many small streams have dried up completely and Yosemite Falls was completely dry all month. Water supplies at Arch Rock and several outpost stations have dried up so that new sources had to be located. Daytime temperatures averaged 95.4° and night averages were 52°. Two slight showers of .01 inch each on August 12 and 13 were the only interruptions to the long, hot, dry spell that has prevailed since June 16.

100 - ADMINISTRATIVE

110 - Status of Work

All office work is current. The work during the month was greatly increased by three reports that had to be completed before the last of the month. There were: report required by new quarters deduction regulation; Superintendent's Annual Report; Report of Private Lands

Survey. The work was further complicated by the resignation of Miss Emma Cabral, effective August 15. It was necessary to appoint Stephen R. Tripp, temporary Civil Service clerk on field agreement because of the rush work. Mr. Tripp assumed his duties on August 24.

120 - Park inspections by:

121 - Superintendent

The Superintendent made regular inspection trips of all going operations on the Floor of the Valley. Two trips were made to the City to confer with officials on matters related to the park. Chief Ranger Townsley made a thorough inspection of the Mather and Tuolumne Districts, traveling over most of the trails in the northern section of the park.

122 - Special field representatives of National Park Service

Chief Landscape Architect Vint was in the Valley from August 16-23 conferring with Park officials and making frequent trips to review construction and future development.

Engineer Monteith, formerly from Field Headquarters and now assigned from Washington on special work connected with utility rates, arrived August 26 and is making a study of Yosemite National Park changes.

123 - National Park Service officers

August 3, Ray Lyman Wilbur, Secretary of Interior, visited the Valley and made inspection trips to the new tunnel, to Glacier Point, Big Trees and to Hetch Hetchy. Mr. W. A. DuPuy, Executive Assistant to the Secretary also visited the valley at that time and made trips through the park.

125 - Other governmental officers

Sanitary Engineer Hopkins has remained in the Park all month getting the new sewage plant in operation. Mr. K. A. Salman, of the Bureau of Entomology, was in the park August 19 to make survey of insect infestation in Yosemite forests. August 23, Mr. Chas. L. Gable, accountant of the National Park Service, visited Yosemite.

130 - Finance and Accounts

The following is a statement of the status of the various appropriations handled by the Park:

Appropriation	Allotment	Expended & Obligated	Balance
41/2434, Yos. Nat. Park 1931-1932	\$ 536,100.00	\$ 373,922.02 *	\$ 162,177.98 *
41/2406, For. Prot. & Fire Prevention	24,575.00	13,975.00 *	10,600.00 *
4X436 Roads & Trails National Park Service	2,002,777.15	1,459,563.46 *	543,213.69 *

* - Estimated figures

140 - Labor Situation

No difficulty is being experienced in securing the best kind of services to handle our going projects.

150 - Equipment and Supplies

Equipment and supplies received during the month: 500 ft. 3/4" garden hose, 5 office chairs, 63 signs for the Big Oak Flat and Tioga Roads and bridle paths, miscellaneous small tools, and 1 - 14 oz. plumb bob.

170 - Plans, Maps, and surveys

At Tuolumne Meadows campground water and road lines were staked out. The Tioga Pass water line was surveyed, referring to a true meridian.

In the Valley plane table extension was made to Camp 11 and the new Indian Village. Some work has been done on bridle path surveys and the following up of building construction. Topographical surveys of the Yosemite Creek peninsula and Camp Curry intersection have been made.

At Mariposa Grove the McGilvray patented land survey was completed and flagged out; also branch fire lines from the new main, sewer drains and camp and picnic lines were staked. A preliminary line has been surveyed for a future water main extension to the Grizzly Giant.

An excellent comprehensive report on the patented land information required by Washington was completed August 25.

Two final reports were submitted this month.

200 - MAINTENANCE, IMPROVEMENTS AND NEW CONSTRUCTION

210 - Maintenance

Water Systems - With the extreme low flows the situation has become more serious than ever. It was necessary to install a river pump for irrigation and a marine pump on the auxiliary spring line to give the Arch Rock station sufficient pressure. In the Valley Illilouette Creek has decreased to 90,000 gallons a day. The springs are holding up well with 322,000 gallons daily, only 25% less than last month, while the consumption is averaging 1,000,000 gallons per day. At Mariposa Grove a 1" line has been extended for 700 feet to avoid seepage losses in Big Tree Creek. The flow has decreased to 1,200 gallons per day and a 1,000 gallon tank mounted on a truck was dispatched August 30 to haul water from the South Fork. It will be necessary to sterilize this latter water. However, the rain on the thirtieth with colder weather is expected to augment the supplies. Repairs are being made on the lower face of the Illilouette Creek dam. Some 4" pipe has been salvaged in the Lost Arrow district.

Sewer System - On August 8 the new sewer plant was placed in operation. During the first week a flow of 7½ hours was allowed to enter the plant and during the last week two hours' daily flow of about 50,000 gallons was being treated. Chemical analyses have been taken twice daily with a gradual approachment towards satisfactory operating conditions. A pump has been purchased for the chlorine apparatus water supply and a well has been dug and lined in the heater room.

Buildings - One residence roof has been shingled; the exteriors of of three houses stained and painted; the roofs of five houses stained, besides the customary maintenance.

Trails - At the Happy Isles Bridge the heavy log girders have just about been hauled in place. The bridge was entirely framed and later dismantled for transporting to the site. There has been the usual maintenance on outlying trails. Thirty miles of bridle trails and rim trails have been gone over.

Roads - On the El Portal Road there has been some premixed oil shoulder treatment. The Wawona Road from Grouse Creek to the floor of the Valley, the Big Oak Flat Road and the Glacier Point Road, which had been oiled the previous month, have held up very well with almost no maintenance. No work has been done at Mariposa Grove until recently. The road, which has become rather rough, is being regraded. A storm in the high country August 12 closed the Tioga Road between the twelfth and thirteenth during which time surfacing repairs were made between Porcupine Flat and White Wolf. The road between Aspen Valley and the Park line and the Mather Road have been oiled.

Electric System - There has been the customary maintenance. To aid in the conservation of power, manual control switches have been installed in several of the Valley districts. Meters have been tested, a few being found with burned out coils.

220 - Improvements

Buildings - Administration Building upper hall sanded and varnished; shutters made and installed at Yosemite Creek ranger station; venetian blinds placed in telephone operators' room. Improvements in Lost Arrow residential district have already been mentioned.

Roads - Among numerous improvements conducted by the Park Supervisor during August are: Regrading, surfacing and oiling of 4,650 feet of service roads including those at the hospital, the plaza district, the Arch Rock parking area and the curve on the south road below Cathedral Rocks. The entrance to the Company warehouse service road has been narrowed by the tearing up of the pavement near the Park Supervisor's house. Surfacing and oiling of the new sewer plant road was completed.

Trails - The Glacier Point railing and fire fall gate have been finished. The work under the district rangers in repairing trails has



TUOLUMNE MEADOWS WATER LINE

Crossing of Lyell Fork August 14, 1931 - Difficult Construction. Anthony joint, 4" c.l. employed.

Men uncomplainingly worked for hours in cold water and were soaked through.



TUOLUMNE MEADOWS COMFORT STATION

August 14, 1931

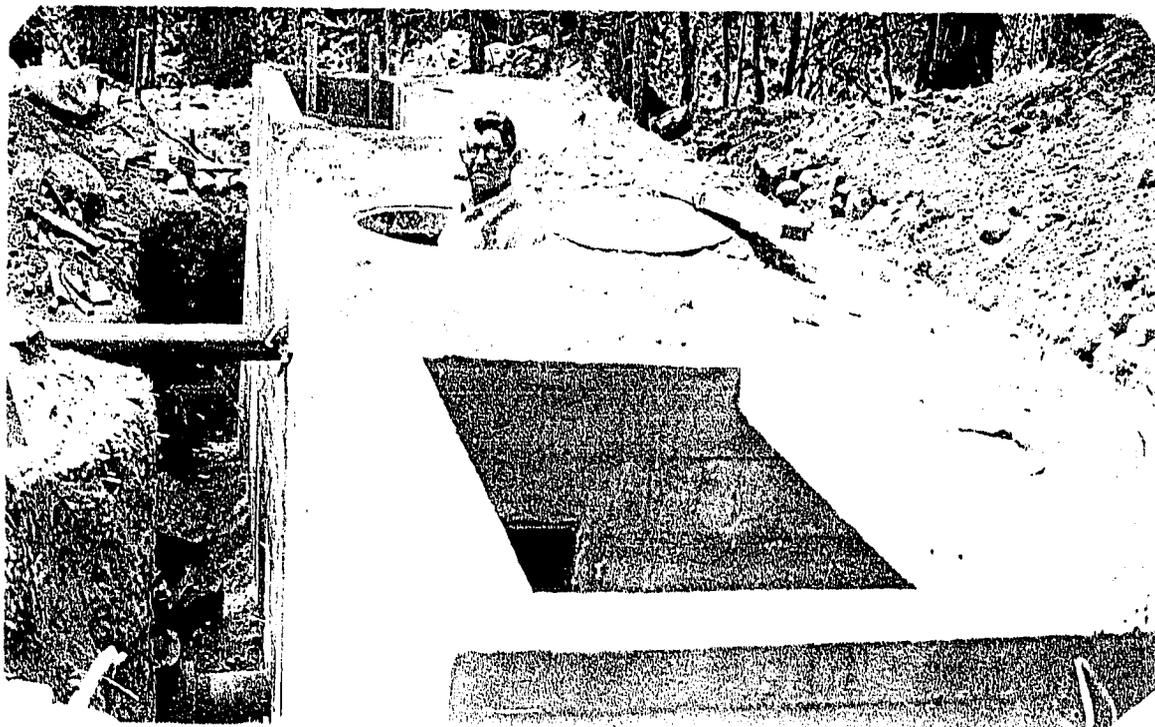
Building is complete at end of month except for heating,
illumination and painting



TRENCHING FOR 1" WATER LINE AT TIOGA PASS
TO SERVE NEW RANGER STATION



INDIAN VILLAGE RESIDENCE
At end of month this was complete except for painting



SETTLING AND DISINFECTING TANK
TUOLUMNE MEADOWS WATER SYSTEM



CONGRESSIONAL SUB-COMMITTEE ON APPROPRIATIONS
BEING SHOWN THE NEW SEWER PLANT

ended with 94 miles gone over this month, mainly in the Chinquapin district.

Signs - A program was prepared and approved for signs on the Big Oak Flat and Tioga Roads. An order for 97 signs has been placed.

Electric System - A total amount of \$2,049.00 was spent in completing repairs to the power house dam and the two channel changes along with a new stilling chamber for the Selsyn indicator. A leakage of 4½ second feet was reduced to .5 second foot, reducing the bill for power purchased at least by \$40.00 a day. The illumination of the foot trail at Glacier Point has also been improved.

230 - New Construction

Doctor, Dentist and Employee's Residences:

Specifications were prepared and bids sent out. Results of bids which were opened August 20 showed that all were too high in the aggregate, even with the subtraction of all the alternates. It was decided that construction would be made by the Park force. Clearing and grading has been commenced.

Tioga Pass Ranger Station - The location was definitely established during the middle of the month. At the end of the month form work was 80% complete, foundations in and walls up to window height.

Tuolumne Meadows Comfort Station - Complete except for painting and installation of gas illumination and heating system.

Indian Village Comfort Station - This has been framed, roof placed, windows and doors installed. Pouring of concrete floor and setting of fixtures are the two principal remaining items.

Mariposa Grove Comfort Station - The building is entirely framed and log work practically completed.

Quarters for Indians - Completed except for some painting, which will be completed the first week in September.

Garage, Indian Village - Construction started about August 20. Framing has been completed.

Miscellaneous Building Improvements - Contract let for oil heating installation, Administration Building in the amount of \$1130.00.

Telephone System Extensions and Improvements - A six mile metallic telephone line was constructed between Tuolumne Meadows and Tioga Pass. The underground cable between Camp 6 and Camp Curry is 85% complete with the laying of 6,766 feet and the installation of most of the terminal equipment. The old telephone line near Army Row will soon be removed.

Water System Extensions and Improvements - The installation of 430 feet consisting of the 6" Lost Arrow fire line and two hydrants extending from the school house to the four-family apartment, has been made. The spring pumphouse has been painted and a cabinet built.

Sewer System Extension - Program approved by the Superintendent.

Electric System Extensions - The Ahwahnee substation is 55% completed. The foundation was poured during the month and most of the superstructure erected. At substation #1 a new site, more completely screened, was selected and work is under way on the foundation. Plans have been made for the two small buildings which will be erected at each of these sites.

Campground Development - Log rails in Camp 11 are completed. The new road in the upper end was cleared and graded. A small crew is now at work cutting down dangerous trees.

Tuolumne Meadows Water, Sewer and Sanitation Systems - The month's work consisted of excavation for 685' of drains including the one from the settling tank; the laying of 2182' of 4" pipe; backfill of 1300'; excavation of 2800' for campground water lines; excavation of the entire Tioga Pass water line (1600') and the transportation of salvaged water tank at Middle Fork which will be placed on the Tioga Pass water line. Close check is being made of daily costs on this job. Expenses have been much higher than original expectations. Last year costs were 38¢ a foot for excavation and backfill and this year they are over 60¢. Excavation has been extremely difficult and has extended through bed rock and large boulders.

Landscaping, Old Sewer Farm - The building over the Imhoff Tank is being torn down. It is hoped to credit this job with usable lumber which can be employed on the Wawona barn.

Relocating Indian Village - Log rails will be completely installed by the first of September. Cleanup is well under way. Electrical installation has been made, including transformer and conduits. Sewer and water branch lines are in place.

Merced River Revetment - Most of the money in this account has been transferred to make up deficiencies in other Parks until next spring. The remainder is expected to be employed in protection of the Yosemite Creek peninsula.

Mariposa Grove Water System - Very satisfactory progress was made, 11,851 feet of excavated pipe laid and backfilled including 100 feet of 8" line near the intake. Remaining work on the intake consists of installing reinforced slabs over the two spring catchment basins and the installation of about 150 feet of 8" line. Water was turned into the Company tank August 7 through temporary 2" connection. Form work for the pressure relief tank is completed. The crew is now working through Mariposa Grove

below the tank, extreme care being taken to avoid injury to Sequoia roots. Passage through the Grove has been easier than expected, only a few roots being encountered, most of them near the surface. On August 28 due to protestations by the Madera Sugar Pine Company, water was completely turned off from the system. This did not amount to more than 7,000 gallons a day.

Mariposa Grove Sewer System - 900 feet of comfort station outfall line excavated; 700 feet of 6" sewer pipe laid; septic tank is ready to pour; drain lines have been laid out. More care was necessary in sewer line excavation to avoid Sequoia roots than on the waterline. Two large masses were found, each extending for a length of 15 feet and to a depth of 3½ feet, closely intermeshed, diameters ranging from 6" to 24".

Big Oak Flat Road Betterments - Seasonal operations have been the improvement of 2.3 miles, giving a total for the last three years of 11 miles between Gentry and Crane Flat. The road has been widened to 18 feet and relocated in spots. This improvement had been concluded July 31. The month has been occupied in surfacing 982 yards of decomposed granite to a depth of 2-3", the road later being oiled. The remainder of the funds is being expended in cleanup of rocks and brush, 370 loads having been hauled.

Ten Lakes Trail Construction - 24,500 feet completed to date.

Washburn Lake Trail - 14,600 feet completed in August. The camp was moved from Washburn Lake for construction on -

Isberg Pass Trail - 2,250 feet reconstructed.

Reconditioning Mountain Trails - Work was suspended during the month after improvement and repair of a monthly total of 64 miles, most of which was near Chinquapin.

260 - Landscape Work

The Landscape Engineer made extensive inspection trips of all construction in the Park; also of road and trail work being done by the City of San Francisco at Hetch Hetchy. The preliminary line of the Tioga Road from the Pass to Tuolumne Meadows was inspected.

300 - ACTIVITIES OF OTHER AGENCIES IN THE PARK

310 - Public Service Contractors

The Best, Boysen and Foley studios were operated throughout the month.

All the High Sierra Camps were closed during the last two weeks of August, having reported a splendid operating season for the summer.

317 - Status of authorized projects of contractors

The status of the new construction work on the Wawona Road, under the supervision of the U. S. Bureau of Public Roads is as follows:

Turtleback Dome - Valley Floor Section, Wawona Road, Project 2A5
A. C. Goerig, Contractor Length 3 miles

The contractor has opened up the entire section west of the tunnel, and is now working in the approach cut to the west tunnel portal. The tunnel has been advanced, full size, to Sta. 113, a total length of 2600 feet. There are 175 men working.

<u>Percent last Month</u>	<u>Percent this Month</u>	<u>Percent to Date</u>
40	11	51

Mariposa Grove - Hoyle Camp Section, Wawona Road, Project 2B2
George Pollock, Contractor Length 7.08 miles

The grading and finishing of this project is complete. The contractor has practically completed the cleanup of this job. This section will be oiled before being opened for traffic.

<u>Percent last Month</u>	<u>Percent this month</u>	<u>Percent to Date</u>
90	9.9	99.9

South Fork Bridge George Pollock, Contractor

Masonry work and steelwork now complete. The contractor is now placing the wooden decking. There are 12 men working.

<u>Percent last Month</u>	<u>Percent this month</u>	<u>Percent to Date</u>
43	32	75

Day Labor Cleanup and Oiling under Bureau of Public Roads Direction

The cleanup of the entire section will be complete by September 10. The maintenance gang has shaped up the entire grade between Hoyle Camp and Chinquapin. The oiling gang has not worked on this section this month. The oiling will be completed early in September by the oiling of the Big Trees - Hoyle Camp section.

<u>Percent last Month</u>	<u>Percent this month</u>	<u>Percent to Date</u>
60	6	66

350 - Donations and accessions of all kinds

Certificate #1, Yosemite Union Chapel Association, presented by Dr. James Asa White

Photograph of Frank C. Griffin and Denny Crane, Glacier Point, June, 1896, presented by Mr. Griffin, now of San Francisco

Maps showing structure of "Sierra Nevada" Batholith between Mono Lake and the Mother Lode, gift of Dr. E. Cloos, Hanover, Germany

Gun, "Samuel Colt", found across the Dana Fork, gift of Bob Cross

Glacial polish, Merced Lake Trail, found by the Park Naturalist

Poll tax receipt for year 1873, County of Mariposa, from Onas Ward

Cut nail found at site of La Casa Nevada Hotel, found by G. Crowe

Oxen shoes found in Arrowhead Lake district in 1903, gift of

L. M. Correll

Pegmatite (float) from Sentinel Dome, on trail 300 yards below road, collected by one of the ranger-naturalists.

400 - FLORA, FAUNA, AND NATURAL PHENOMENA

410 - Ranger, naturalist and guide service

There were no large fires, serious accidents or unusual events to interfere with the regular patrol duties of the rangers. Seven entrance ranger stations were in operation handling travel records and selling permits. Six fire guards and lookouts were on duty along the western boundary and made patrols along the most used roads, keeping a constant lookout for fires.

We have continued as full a program of ranger-naturalist activities throughout the month as was warranted by the number of visitors present in the park and our reducing size of staff. Naturalist work at Glacier Point was terminated August 25, at Tuolumne Meadows August 29 and at Mariposa Grove August 30.

420 - Museum service

The Museum and reading room has been kept open daily from 8:00a.m. to 6:00p.m. until August 15 after which it was closed at 5:00p.m.

440 - Insect Control, Rodent Control

The Superintendent has authorized the hiring of a .22 caliber rifle man to keep down ground squirrels which are causing extensive damage to lawns and shrubs.

A survey of insect infestations in various sections of the park was made but no control work done this month.

460 - Birds

In general, the bird population has been below normal this August. The Evening Grosbeak is perhaps the most common bird of the month. During the months of July and August Rufous Hummingbirds are present in the high gardens along the main crest of the Sierra, but never until this year were Rufous Hummers seen on the floor of the Valley. This year, however, Rufous Hummingbirds were found in the Ahwahnee garden. There were also Blackchinned and Calliope Hummingbirds.

470 - Animals

Bears - During the month bears have been coming down from the high country in larger numbers but by very heavy feeding at the platform both night and daytime, by consistent use of the trap and constant supervision by the Ranger Department the interest of tourists in this wild animal exhibit far outweighs any inconvenience they may have suffered by disturbances in campgrounds.

Deer - From observations throughout different regions of the park it seems that coyotes must be quite on the increase as this year's crop of fawns has been very much reduced.

Elk - During the month the bull elk have completed rubbing the velvet from their antlers and the herd has been segregated. One bull has been keeping the herd of cows and the young of the year separated from the rest of the herd. The entire herd seems in very good condition.

Many rattlesnakes have been killed right on the valley floor, several of them along the roads and near residences.

490 - Miscellaneous

Yosemite Museum Library - The complete cataloging of 503 volumes of our library is an exceptionally good showing considering the handicaps which had to be overcome in the matter of delays in ordering supplies.

Fish Planting - Fish planting for this season was completed on August 1 when all fry was removed from the hatchery. A total of 940,900 trout were planted in Yosemite's lakes and streams this summer, placing them all in the larger bodies of water, due to the shortage of water. Many of the small streams have dried up entirely this year.

500 - USE OF PARK FACILITIES BY THE PUBLIC

510 - Increase or decrease in travel

Travel during August showed a decrease of 9,537 people or 11.5% over the same period last year. A total of 23,789 cars and 73,396 people visited the park during August. Cars from every state in the union entered the park and from the following foreign countries: Canada,

Hawaii, Panama, Argentine, Australia, China and Haiti. The present indications are that when final travel figures are submitted on September 30 there will be a very slight increase over the 458,566 visitors in 1930.

530 - Visitors

August 2 - A. D. Shamel, Physiologist of Department of Agriculture, of Riverside, California, inspected the apple orchard at Camp Curry.

August 5 - Dr. H. C. Bryant, Assistant Director, arrived for a visit.
- Mr. W. W. Stockberger, Director of Personnel and Business Administration, U.S.D.A., Washington, D. C., washshown around the Museum.

August 6 - The Sierra Club held their final campfire of the season at Soda Springs.

August 7 - Dr. Vernon Bailey, Chief Field Naturalist of the U. S. Biological Survey, came in the Valley; he spent two days visiting points of interest on the floor of the valley and the Mariposa Grove.

August 12- Dr. Clark Wisler, chief preparator of the American Museum of Natural History of New York and member of National Parks Advisory Committee, was taken on a special trip to Glacier Point and the Mariposa Grove.

August 16- Ex-Congressman Cramton was escorted around the park in the official car.

August 19- Major General, U.S.A., Harry Clay Hale, University Club, San Francisco.

August 19- George Hubert White, Colonel U. S. Army, retired, Pasadena.

540 - Public Camps

The fine condition of the campgrounds and the lack of expense, no doubt, has attracted more campers this summer. Rangers estimate that 132,000 persons used the campgrounds on the Valley floor and 12,000 more used the camps at Glacier Point, Mariposa Grove and Tuolumne Meadows, an increase of about 100% over last year. The campfire programs continued to be well attended with an average of 300 to 500 people per night at these outdoor, ranger entertainments. It has been reported that 66,500 people attended these programs this summer and that they were more popular than ever this year with more than 1,000 people in the audience each night during the busy season. Many friends for the Park Service were made thru the contacts of the camp rangers.

600 - PROTECTION

610 - Police Protection

There were eight Commissioner cases. The total fines were \$205.00. There were eleven cases handled administratively and 64 traffic tags marked at the office for minor violations.

620 - Fire Protection

A month of extremely high fire hazard has just passed and fortunately Yosemite had only two small fires which were quickly put under control without any material damage to timber.

August 22 - Small fire in yard in front of Rangers' Club, caused by careless smokers; 200 square feet of grass burned over.

August 26 - Fire about two miles west of Tenaya Lake along the trail toward Mirror Lake. Caused by careless smokers; area burned over about 2,400 square feet, with no damage to timber.

The total fires for this season to August 28, -- 15

Ten were caused by careless smokers; three by lightning; one by brush burning operations along new road; one thought to be of incendiary origin. It is estimated that the total area burned over this season is 1,375 acres.

To protect the new timber purchase on the western boundary near the Tuolumne Grove, a crew of men under the supervision of the Assistant Chief Ranger cleared a fire break through the woods from the Big Oak Flat Road across country to the Tioga Road. This is a particularly dangerous fire area.

630 - Accidents

There were eleven auto accidents for the month. No one was seriously hurt in any of them. On August 16, Mr. George L. North, 121 Fulton Street, Redwood City, California, received a severe scalp wound from a bear which visited his tent on that night. Mr. North was slapped down by the bear when he suddenly sat up in bed, which was out under the front part of his tent. He was sleeping between his food cabinet and his tent.

660 - Sanitation

Water and milk samples have been analyzed regularly. Results of milk analyses have not been so satisfactory, there being two separate high counts. Improvements at the incinerator have been the building up of rock wall on loop road and the staining of woodwork. Dry toilets have been replaced on the Tioga Road at numerous locations. The increase of bear depredations in the upper part of the Valley resulted in raising the amount of food at the platforms to ten cans daily. Mr. Hauck reports that the crew has been reduced to six men.

900 - MISCELLANEOUS

244 - 6378 36 - 25 min.
The W. B. Lewis Memorial Hospital, under the operation of Dr. H. G. Dewey, handled a total of 354 cases during the month. There were 828 office calls; 30 house calls. There were 52 minor operations and 1 major operation performed. One death is reported; and four births: Teddy Victor Herron; Robert DeVere Lake; Robert VanPatten Elliott and Pryor.

A location survey can now be made on the proposed new Tioga Road from Tioga Pass westward through Tuolumne Meadows along the general route of the present road to about the crossing of Cathedral Creek west of Fairview Dome. From that point westward a reconnaissance should be made looking into the feasibility of opening up the tremendous scenic values offered by a route northward around Tuolumne Peak, across the South Fork of Cathedral Creek, thence around the southern edge of the Ten Lakes basin to a point east of Double Rock, and westward to an articulation of the Harden Lake Survey. It is our thought that while such a route, if found practicable, will result in an increased cost of the road, a reasonable increase will be more than justified by the enormous park values thus opened to the public.

The Yosemite School of Field Natural History closed very successfully a seven weeks' course August 8. As usual the last eight days of the course was given over to a High Sierra trip led by the park naturalist and Dr. H. C. Bryant. They have returned to their eleven respective states -- fine boosters for National Park Service! And excellent possibilities for future employment.

Church Services

Seventh Day Adventist - Bible School Saturday at 9:45a.m. in the Church Bowl; preaching service at 11:00a.m.

Roman Catholic - Mass at 6:00, 9:00 and 11:00a.m. in the Old Village Pavilion.

Lutheran, Missouri Synod - Worship at 11:00a.m. in the Old Village Chapel.

Protestant - Bible School at 9:45a.m. in the Church Bowl; Worship at 11:00a.m. and 7:45p.m. in the Church Bowl.

Young People's Meeting, Camp Curry Pavilion Sunday evenings at 9:15, thru August 16.

Christian Science - Service at 2:00p.m. Sunday in the Church Bowl.

Very respectfully,

C. J. Thomson
Superintendent

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Yosemite

TRAVEL REPORT

August, 1931.

..... 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
<u>PRIVATE TRANSPORTATION:</u>	9337	57002	12199	74981	-7979	-10.8 %
Cars first entry	14429	72374	13837	55792	16582	29.7 %
Cars reentry	25	167	36	166	1	0.6 %
Motorcycles	25789	139543	25572	130939	8604	6.6 %
Total motor vehicles	67796	408218	76348	399058	9160	2.3 %
Persons entering via motor vehicles	1281	2362	894	2198	184	7.5 %
Persons entering via other private transportation	69077	410580	76242	401256	9324	2.5 %
Total persons entering via private transportation						
<u>OTHER TRANSPORTATION:</u>	3590	16152	5133	20131	-3979	-19.7 %
Persons entering via stages ..	729	3702	1558	8214	-4512	-54.9 %
Persons entering via trains ..						
Persons entering otherwise	4519	19854	6691	28345	-8481	-29.9 %
Total other transportation	7396	430454	82953	429801	853	.19 %

Note: Loss for August 8537 people or 11.5 %

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Yosemite

August, 1931

National Park for the Month of

Description of Projects	Percent	Percent	Percent	Probable Date Completion
	Constructed To Date	Constructed This Month	Constructed Last Month	
421 Quarters for Doctor	1	1	0	December, 1931
422 " " Dentist	1	1	0	" "
424 Tioga Pass Ranger Station	23	23	0	October, 1931
425 Tuolumne Meadows Comfort Sta.	70	62	8	September, 1931
426 Indian Village " "	30	20	10	September, 1931
427 Mariposa Grove " " (1)	60	40	18	September, 1931
429 Quarters for Indians (6)	97	57	39	September, 1931
435 Garage - Indian Village	25	25	0	September, 1931
436 Employee's Quarters	1	1	0	December, 1931
437 Building Improvements Misc. (Contract let for 33% of allotment)				May, 1932
455 Telephone Sys. - Ext. & Improv.	55	22	26	June, 1932
481 Water System - " "	75	5	30	November, 1931
482 Sewer System - " "	3	3	0	December, 1931
485 Campground Development	80	30	16	September, 1931
484 Water, Sewer & Sanitation - Tuolumne Meadows	92	32	35	September, 1931
486 Landscaping Old Sewer Farm	5	0	0	June, 1932
487 Relocating Indian Village	90	30	9	September, 1931
488 Merced River Revetment	15	0	0	November, 1931
489 Water System - Mariposa Grove	87	37	37	September, 1931
490 Sewer System - " "	20	10	10	September, 1931
492 Extension Electric System	17	8	5	October, 1931
501-30 Road Traffic Signs & Marks	97	1	2	September, 1931
501-34 Quarry Site Cleanup	75	0	0	October, 1931
501-36 Floor of Valley Road Shoulders	18	0	0	November, 1931
503.2 Tioga & Big Oak Flat Betterments	85	35	20	September, 1931
503.3 Road Oiling & Betterment	80	70	0	September, 1931
506.11 Trail Construction - Tenaya Trail Jet. to Ten Lakes (% according to allotment only)	70	55	15	October, 1931
506.15 Reconstruction Washburn Lake Tr.	100	60	40	
506.16 Trail Telephones	100	(Change of outline)		
		0	0	
506.17 Isberg Pass Trail	40	40	0	September, 1931
506.18 Reconditioning Mountain Trails	95	22	32	October, 1931

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(May, 1931)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

.....**Yosemite**..... National Park for the Month of ..**August**..1931.....

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
Number of employees beginning of month	140	430	133	336
Number of additions.....	3	41	3	135
Total.....	143	471	136	471
Number of separations.....	28	128	21	113
Number of employees close of month.....	115	343	115	358
Number of promotions during month.....	2	0	0	0
Aggregate amount of annual leave taken	54	0	33	0
Aggregate amount of sick leave taken.....	4	0	1	0
Aggregate amount of leave without pay..	5	0	0	0

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UNITED STATES
DEPARTMENT OF THE INTERIOR
National Park Service
Washington

REPORT OF NON-APPOINTED PERSONNEL

(TEMPORARY)
YOSEMITE NATIONAL PARK

Changes outside the District of Columbia for the month of August, 1951

	Total at beginning of month	Additions	Separations	Net Gain or loss (a)	Total at end- ing of month
Civil Service	140	5	23	-25	115
Per Diem	430	41	128	-87	543
Total	570	44	156	-112	458

(a) If loss, indicate by minus sign.

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Yosemite National Park for the Month of August - 1931

	This Year	Last Year
Park revenue on hand beginning of month,	680.66	
Received,	30,926.78	
Total,	31,607.44	
Remitted,	29,275.49	
On hand close of month,	2,331.95	
Park revenues received this year to date,	74,233.61	
Park revenues received last year to date,	86,085.53	
Increase , Decrease,	11,851.92	
Per cent of increase , decrease,	13.77%	

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF SALES OF PUBLICATIONS

<u>Yosemite National Park</u>		<u>August - 1931</u>
	<u>Number</u>	<u>Value</u>
<u>GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month,	8563	1496.05
Received during month,	0	0
Total,	8563	1496.05
Sold during month,	0	0
On hand at close of month,	8563	1496.05
<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,		1097.10
Sales during month,		0
Total,		1097.10
Remitted during month,		0
Balance,		1097.10

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

Yosemite National Park for the Month of **August, 1931**

	This Month	This Month Last Year	Increase	Percent Increase
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LOCAL BUSINESS

Miles of circuit maintained	342	400	- 58	- 14
No. of telephones connected	478	450	28	6
No. of measured service calls	1,502	1,846	- 344	- 19
No. of other local calls	46,974	54,224	- 7250	- 13
Total No. of local calls	48,476	56,070	- 7594	- 14
Peak load in calls per day	2,049	2,218	- 169	- 8

Receipts from measured service calls	205.40	250.45	-45.05	- 18
Receipts from coin boxes	307.10	46.90	260.20	564
Receipts from telephone rental	0	291.00	- 291	-100

TOTAL RECEIPTS

512.50	568.55	-75.75	- 13
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LONG DISTANCE BUSINESS

No. Outbound calls	1573	1856	- 283	- 15
No. Inbound calls	766	989	- 223	- 23

TOTAL LONG DISTANCE CALLS

2339	2845	- 506	- 18
------	------	-------	------

Peak load in calls per day	88	105	- 17	- 16
Receipts from Long Distance business	\$1210.73	796.60	414.13	52

TELEGRAPH BUSINESS

Messages via Western Union				
Messages via P.T.&T. Co.	95	87	6	7

TOTAL MESSAGES

Receipts from telegraph business				
No. of money transfer messages				
No. of money transfer receipts				

TOTAL RECEIPTS TELEPHONE & TELEGRAPH DEPT- \$1723.23

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

..... Yosemite National National Park for the Month of August, 1931

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
Current generated,	395,590	1689030	1130480	2405560	-717530	- 29
Sold to park operators,	200,753	713801	296629	629619	84182	13
Sold to others,	2,700	577500	671700	1430400	-852900	- 59
Furnished to other Governmental agencies,	1,117	2535	985	3465	- 930	- 27
Used by National Park Service, lost in transit, etc.,	191,020	394194	161166	342076	52118	15
Total current generated,	395,590	1689030	1130480	2405560	-717530	- 29

Amount receivable from the sale of electricity, **in Valley** 1931 \$ 5,257.89
1930 6,448.33

* Indicated by K. W. H.

Sold to S.J.L.&P.Corp.	165,097	=	389.40 (July)
Purchased from S.J.L.&P.	277,174	=	2,917.54

MONTHLY SUMMARY.

COOPERATIVE OBSERVERS' METEOROLOGICAL RECORD:

Month of August, 1981; Station, Yosemite; County, Mariposa
 State, California; Latitude, 37; Longitude, 119; Hour of Observation, 4:30 PM
 Time used on this form, Pacific

DATE.	TEMPERATURE.				PRECIPITATION.						CHARACTER OF DAY, SUNRISE TO SUNSET.	* MISCELLANEOUS PHENOMENA.
	MAX. MOM.	MIN. MOM.	RANGE.	* SEPT. MAX.	TIME OF BEGINNING OF ENDING.	TYPE.	AMOUNT.	SNOWFALL, IN INCHES.	DEPTH OF SNOW ON GROUND AT TIME OF OBSERVATION.	PREVAILING WIND DIRECTION.		
1	98	50	48								Clear	
2	98	51	47								Partly Cloudy	
3	98	60	38								"	
4	96	61	35								Clear	
5	91	53	38								"	
6	91	50	41								"	
7	92	48	44								"	
8	95	48	47								"	
9	97	48	49								"	
10	100	50	50								"	
11	94	53	41								"	
12	87	59	28				.01				Cloudy	
13	89	53	36				.01				Partly Cloudy	
14	90	53	37								"	
15	95	50	45								Clear	
16	96	54	42								"	
17	96	56	40								"	
18	94	49	45								"	
19	96	45	51								"	
20	94	47	47								"	
21	92	48	44								"	
22	94	46	48								"	
23	101	47	54								"	
24	102	57	45								"	
25	101	59	42								"	
26	100	59	45								"	
27	100	56	44								"	
28	96	44	52								Partly Cloudy	
29	85	47	38								Cloudy	
30	75	53	22								"	
31	87	49	38								"	

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

J. J. [Signature], Cooperative Observer.
 Post-Office Address of Chief Ranger
 Yosemite National Park, Calif.

TEMPERATURE.

Mean maximum, 94.2

Mean minimum, 51.6

Mean, 72.9

Maximum, 102; date, 24th

Minimum, 45; date, 19th

Greatest daily range, 57

PRECIPITATION.

Total, .06 inches.

Greatest in 24 hours, .04; date, 30th

SNOW.

Total snowfall, _____ inches; on ground 15th, _____ inches; at end of month, _____ inches.

NUMBER OF DAYS

With .01 inch or more precipitation, 3

Clear, 23; partly cloudy, 5; cloudy, 0

DATES OF

Killing frost, _____

Thunderstorms, _____

Light, _____

Hail Moderate, _____

Heavy, _____

Sleet, _____

Auroras, _____

REMARKS:

Precipitation to date .06
" last year - 0

(IN TRIPLICATE.)

See cover for instructions.

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Post-Office Address of Chief Ranger
 Yosemite National Park, Calif.