

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Yellowstone National Park for the Month of January 1925

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Percent Constructed Completion
	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Percent Constructed Completion

No change in project status.

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

FILE NO. 143

MONTHLY REPORT

February, 1928

FEBRUARY 1928

IMPORTANT

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HORACE M. ALBRIGHT,
Director.



March 7, 1928.

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

Dear Mr. Director:

The following is a report of the activities of Yellowstone National Park, for the month of February 1928:

000 - General

Superintendent Albright spent the entire month in California, in San Francisco and Yosemite National Park, in connection with his duties as Assistant Director (Field). He also attended the meeting of Park Superintendents which was held in San Francisco from February 14 to 21st inclusive. Assistant Superintendent Merrill F. Daum was Acting Superintendent of the Yellowstone up to the 11th of the month when he left with Assistant to the Superintendent Joffe to attend the Superintendents' conference in San Francisco. During the period of the month when both Mr. Daum and Mr. Joffe were absent from the park Chief Ranger Woodring was Acting Superintendent. Assistant Superintendent Daum remained in San Francisco during the period of the conference and then went to Yosemite Park with the other members of the Service to inspect conditions there. On February 28th Mr. Daum left Yosemite for San Francisco where he will spend several days. Mr. Joffe went from San Francisco to Yosemite Park with the other members of the conference and left Yosemite on February 25th. He took a few days leave of absence to visit in Los Angeles.

Road Conditions: Motor travel has proceeded daily between the north entrance and park headquarters, and road conditions have been fairly good throughout the month. There has been no travel on the Cooke City road other than rangers on mounted patrols and the regular weekly trips of the Cooke City mail sleigh. All other park highways have been closed to travel since November 23rd.

✓
py for Mr. Albright

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The following is a report of the activities of the California
 School of the Arts, for the year 1951.

Inventory - 0000

[illegible]

Travel Agent, London, 1921.

150 - Equipment and Supplies

Storehouse and freighting employees were engaged in hauling of supplies from Gardiner to Mammoth and the issuing of supplies to different departments.

180 - Circulars, placards, publicity bulletins, etc.

Vol. 5, No. 2 of Nature Notes was issued during the month. Copies are attached.

200 - Maintenance, Improvements and New Construction

Road Maintenance: There was no outside work this month on road maintenance.

Maintenance - Buildings

Paintshop: Entire time of Master Painter and one helper spent on new quarters.

Carpenter shop: Master Carpenter with one helper engaged on inside finish work at new quarters.

Plumbing department: General repair work around quarters and installing fixtures and connections at new quarters.

Electrical department: The Chief Electrician put in wiring for the new quarters. Several days were devoted to repairing switchboard distributing frame and wiring it. The remainder of the month was devoted to odd jobs of wiring and repairing.

Engineering department: General office routine, estimates and work plans, compiling cost data, working up sketches and material bills for new structures. General suspension of outside activities during absence of Asst. Supt.

230 - Road Construction

There was no road construction this month.

300 - Activities of Other Agencies in the Park

311 - Character of service rendered to the public

Services to the public have consisted only of the general store at Mammoth Hot Springs which is operated principally in winter for the convenience of local residents. This service has been satisfactory.

120 - Treatment and Isolation

Discussions and telephone conferences were arranged in January of 1951 with the Bureau in London and the Bureau of Diseases in Atlanta, Georgia.

121 - Treatment, Isolation, and Isolation

Vol. 2, No. 5 of the Bulletin was issued during the month of April.

122 - Isolation, Treatment, and Isolation

Isolation, Treatment, and Isolation There was no contact with the Bureau of Diseases.

Isolation, Treatment, and Isolation

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Isolation, Treatment, and Isolation There was no contact with the Bureau of Diseases.

123 - Isolation, Treatment, and Isolation

There was no contact with the Bureau of Diseases.

124 - Isolation, Treatment, and Isolation

125 - Isolation, Treatment, and Isolation

Reviews of the Bulletin have been received only of the Bureau of Diseases in London and the Bureau of Diseases in Atlanta, Georgia.

400 - Flora, fauna and natural phenomena

410 - Ranger Service

This service has consisted principally of the following: Regular and special patrols for the observation and protection of wild life and the natural features of the park, predatory animal hunting, repairs and maintenance to telephone lines, snow removal from buildings, observing and reporting water gauge heights and the recordings of weather bureau instruments, wild animal feeding at Slough Creek, Mammoth and Gardiner, the capture and shipment of 34 elk, and routine work at duty stations. All activities in the field have been under the immediate supervision of Chief Ranger Woodring and Assistants Chief Ranger Trischman and Liek. The principal duties of the Chief Park Ranger from and after the 10th of the month have been in the capacity of Acting Superintendent. Acting Superintendent Dams and Assistant to the Superintendent Joffe were absent during this period, on official leave, in connection with the National Park Superintendents' Conference in San Francisco. Assistant Chief Ranger Greer has been engaged in report compilation, communication service with outlying stations, correspondence, filing and routine work in the headquarters district. District rangers have thoroughly patrolled their various station districts, and all their other duties have been faithfully performed. The movements and condition of wild life have been carefully observed; much distress and considerable losses have been averted by the timely distribution of hay.

420 - Museum Service

On request of one of the leading ornithological magazines (The Wilson Bulletin), a manuscript of 4500 words and 24 drawings and 1 photograph was prepared by the Park Naturalist. The subject treated was the mating habits of the Barrow's goldeneye (*Clangula islandica*), an arctic species of duck which breeds very locally in the United States, as in Yellowstone Park. Memoranda was prepared on request of Dr. Conard on the subject of faunal areas and life zones of 32 species of typical Yellowstone Park mammals. Time not given to the foregoing was spent largely in continued work on the modeled wild life groups for the Yellowstone Park museum.

470 - Animals

Forage conditions on the winter elk range along the Yellowstone and Lamar Rivers are decidedly unfavorable at this time. Snow depths have ranged from 18 to 45 inches at all points above Blacktail Deer Creek for more than two months. The snow is heavily packed and crusted and nearly twice the normal depth. Temperatures have averaged far below normal and most of the elk herds have subsisted almost entirely by browsing for several weeks. Comparatively little wild life has been seen at its usual haunts along the trails. It has frequented the timbered areas very largely and very few noteworthy counts have been submitted by rangers on patrol during the month.

Elk: The northern elk herd is threatened with serious losses on account of snow conditions on their winter range. All the bands with the exception of those on the feed grounds have found scant subsistence by browsing; this condition has prevailed for several weeks. Large numbers of cows and calves are so thin and weak that they are almost helpless, and there will be no effective relief until the range has been partly uncovered by mild temperatures and a thaw. There are indications of an early thaw at this time and should it occur within the next ten days the losses will not be very greatly in excess of normal. If we do not have a thaw before the close of the month of March the northern elk herd will suffer serious losses, the greatest since the spring of 1919. The bands on the feed grounds are increasing in numbers from day to day, particularly the band on the feed ground near Gardiner, which is being augmented by the drift from outside the park. The band on the feed ground at Slough Creek is in excellent condition. Our hay supply will be barely sufficient for wild animal feeding this year. Elk losses occurred during the month as follows: Winter kills 12 cows, 3 bulls, 52 calves; Killed by coyotes 21 calves, total 88. Shipments consisted of 32 to the State Fish and Game Department of Montana, shipping address Havre, Montana, and 2 to the State Fish & Game Commissioner of Utah, shipping address, Price, Utah, total 34. The total of all shipments this season is 124.

As previously stated no unusual counts were submitted by rangers on patrol during the month. The small bands along the Gibbon, Firehole and Madison River seem to be wintering fairly well; approximately 60 fine bulls are wintering along the high, wind-swept elevations in the vicinity of Pawn Pass. Their condition when recently observed was reported as excellent. The extreme drift of the Gallatin herd is to a point about 30 miles beyond the north line of the park; forage and snow conditions are favorable in this district and herd conditions are good. The Blacktail, Hellroaring, Tower Falls, Lamar River and Soda Butte districts are the areas where most of the losses have occurred. An early thaw is our only hope of avoiding serious losses in these districts. The tick infestation appears to be equally as serious as last year; large numbers of full grown specimens were found on animals captured as early as January 11th. The tick is regarded as a contributing cause to most of our spring season losses.

Deer: There is approximately 300 in the Game Preservation Ranch district north of the park, 52 along the east side of the Yellowstone River near the mouth of Bear Creek, 56 in the immediate vicinity of the Gardiner Ranger Station, 148 in the Mammoth District, 197 along the trails from Crevice Basin to Hellroaring Station, 21 in the immediate vicinity of Tower Falls Station and 28 at Upper Geyser Basin, total of recent counts submitted 802. Fifteen were reported killed by coyotes in the Gardiner and Hellroaring districts during the month. Six winter kills in the Hellroaring district and 1 in the Mammoth district have occurred since the last report, a total of 30 have been reported killed by coyotes this season to date.

Sheep: A loss of one occurred during the month; ten have died this season to date from the scab and lung worm infections. There are 8 more individuals of the Bear Creek and Tower Falls bands that will probably not survive the winter season. Both these bands are in poor condition, thin.

shaggy and weak. A good grade of domestic hay was distributed to the Tower Falls band with the view of improving conditions by feeding, but the plan was not successful; they investigated by nosing around but would not eat. The largest counts secured this season are as follows: Vicinity of Game Preservation ranch 8, Bear Creek and Mt. Everts band 44, vicinity of Junction Butte 66, Hellroaring and Cottonwood districts 25, Abiathar Mountain 7, and Mt. Morris 20, total 170. We expect a gradual improvement in sheep conditions as the spring season approaches.

Antelope: The latest antelope count secured on March 3rd is as follows: Winter range outside the park 287, target range and slopes of Mt. Everts 132, north and east slopes of Sepulchre Mountain 23, total 442. The largest count submitted this season was on December 29th. The total at that time was 526. The reported losses this season consist of 8 killed by coyotes, a loss of 2 from accidental injuries and 5 were unlawfully killed by hunters, total 15. Unconfirmed reports of antelope drift to the lower elevations are seemingly supported by the results of the latest count. These reports will be fully investigated and a recount secured at an early date. All the bands recently observed were in excellent condition.

Moose: There is nothing of interest to report at this time.

Buffalo - Lamar River Herd: Herd conditions are excellent. The count on the feed ground at the close of the month was 616. The calf herd, including four yearlings, now consists of 139, total on the feed grounds and in corral 755. There was an additional roundup of 3 calves from a stray band arriving on the feed ground early in the month and a bull calf was destroyed on account of an accidental fracture of the spine. The calf count at this time is as follows: Heifers 61, bulls 48, steers 25, total 134. The herd total of record at the close of the month is 896 consisting of 266 bulls, 176 steers and 454 cows and heifers. Feeding has been in progress throughout the month. There has been a moderate tendency to drift and several small bands are now ranging the ridges overlooking the Lamar and Yellowstone Rivers from Specimen Ridge to Tower Falls and Hellroaring slope.

Buffalo - Cold Creek-Pelican Creek Herd: Recent counts secured by rangers on patrol are submitted as follows: Cache Creek district 21, Miller Creek district 6, Cold Creek district 1, and Pelican Creek district 33, total 61. Four winter kills were found on these patrols consisting of a calf on Miller Creek and 1 bull and 2 cows on the Pelican Creek meadows. All the animals observed were in poor condition.

Bears: There were no signs of bears reported during the month.

Predatory Animals: Twenty-three coyotes were killed by rangers during the month which together with 235 previously reported makes a total of 258 this season to date as compared with 208 to the close of February last year, 225 prior to March 1st, 1926, and 163 at the close of February 1925. This is the mating season for coyotes and lone individuals are rarely

seen, packs of from 4 to 6 have been observed on numerous occasions and Ranger Cottrell saw a pack of 9 on a patrol to Specimen Ridge late in January. Their daylight movements during this period are generally along the crest of the ridges and rangers find them extremely difficult to approach. They have been following very closely the movements of the elk and deer and rangers report 21 calf elk and 15 deer killed by these predators during the month. They don't appear to be feeding at all on dead animals. Although carcasses are fairly numerous it is not unusual to find fresh kills in their immediate vicinity. Wolf and lion signs have been rarely observed this season.

Small Animals: Very little beaver activity has been observed for several weeks. Marten signs are numerous in all districts of the park and otters are thriving along the shores of Yellowstone Lake. Signs have also been recently reported along Pebble and Soda Butte Creeks but there is nothing to indicate that their activities in this district will materially affect the egg take of the Bureau of Fisheries at Fish Lake. A lone picket pin appeared on a stretch of barren hillside near Tower Falls Station on the afternoon of March 4th; this is the first reported activities of marmots in the park this season.

Water Fowl: Counts of water fowl are submitted by rangers monthly to the Bureau of Biological Survey in compliance with a cooperative agreement. These counts do not show very large numbers or many species of ducks and geese. The only noteworthy counts submitted during the entire winter season have been secured along the Yellowstone between Lake and Canyon and along the Firehole and Madison Rivers from Old Faithful to Riverside. These counts rarely exceed 1200 to 1500 and consist principally of Canada geese, mallards, golden eye, teal, merganser, scaup, shoveler and swans. Mallards, golden eyes and mergansers predominate.

Buffalo and other ranch operations: The activities at Buffalo Ranch have consisted principally of the care and feeding of the herd. The calf herd, including 4 yearlings, now totals 139, and there are 616 adults on the feed ground. Approximately 6 tons of hay were fed daily. Weather conditions have been unusually severe. Sub-zero temperatures have generally prevailed and snow depths have averaged about 30 inches. Some riding was required to keep the herd on the feed ground as there has been a moderate tendency to drift. Other activities have consisted of the care and maintenance of property and equipment, including the care and feeding of team and saddle stock.

One man is regularly employed on the hay ranch at Slough Creek. His duties as caretaker of the ranch property and the feeding of a band of 463 elk has required his whole time during the month. There were no noteworthy activities at the Yancey Ranch. The only activities at the Gardiner Ranch have consisted of hay hauling and distribution on the elk feeding grounds near Gardiner and Mammoth, approximate tonnage 50, maximum number of elk on feed grounds 530. About half of this hay was hauled for a distance of 5 miles. The Game Preservation Ranch activities have consisted principally of the care and feeding of the Park Service and ranger horses. There were 58 horses on the feed ground at the close of the month, and approximately

46 tons of hay have been fed. The work at the Gardiner and Game Preservation Ranches was performed by rangers in addition to patrols, predatory animal hunting and other routine winter season duties.

480 - Natural Phenomena

Mammoth Hot Springs: Observer Lindsley reports that on the last day of February, the 29th, a very careful survey of the hot spring formations was made, with the following observations. The activity is more generally distributed over the entire area than it has been for a long time and there has been an increase in temperature in many of the springs since last month. Angel and Old Angel Terraces are the only ones that have not either stayed the same or increased in temperature. Angel Terrace is a degree cooler than last month and Old Angel a half degree cooler (centigrade), but there is no lessening in the extent of activity in either case.

The "Blue Pool", which is the middle one of the three Jupiter Springs, has shown an increase of 7°C since the 13th of January and there is much more water flowing from it over the edge of the terrace and into the spring to the north which now has a temperature of 50°C (just the temperature of the "Blue Pool" on January 13th and 7° cooler than the present temperature of the "Blue Pool"), and is flowing over the edge of the terrace toward Pulpit Terrace. A sinter block left in the "Blue Pool" on January 13th was removed with an entire coating of very firm, hard travertine, rather spiny in its nature.

Hymen Terrace is 5°C hotter than it was a month ago and Upper Hymen 20° hotter. There is little or no increase in activity at this point.

The northernmost of the Blue Springs, the one called by some "Semi-Centennial Spring", shows a great increase in activity and a temperature of 69°C . Beyond this the crack along Main Terrace is extremely active but very little water is flowing out and the activity consists mainly of gas and steam bubbles rising up thru the water.

There are evidences of activity all along White Elephant Back Terrace and this has been apparently extinct for three years. Orange Spring too is more beautiful than it has been for years. Then there are signs of activity at Narrow Gauge Terrace and the lower spring at Cleopatra has broken thru again. Mound Terrace is very active at both the upper and lower levels but there is now no sign of water or steam at Minerva Terrace.

The main impression that one has when one goes carefully over the hot spring formations at present, is that they are extraordinarily active, and in comparing conditions with those of last year it is noted that there was a similar increase in activity in the spring last year it is much earlier this year and, at the present time they cover more territory than they did at the end of March last year. With the exception of Minerva Terrace everything is active at this time and many more so than last year at the end of March.

40 tons of hay have been fed. The work at the garden and some 1500-
also houses was performed by trucks in addition to trucks, especially
animal housing and other work in winter months.

4th - General Observations

Throughout the winter, however, findings reported that on the last
day of February, the 27th, a very careful survey of the last winter season-
clear was made, with the following observations. The activity in some
generally distributed over the entire area. It has been seen that a large
area and there has been an increase in temperature in some of the regions.
Along the coast, and in some of the regions, the only ones that have
not shown activity are those in the south. In the south, there is a
large number of small ponds and a small number of small ponds (some of them)
and there is no increase in the extent of activity in other areas.

The "line pool" which is the middle one of the three largest
pools, has shown an increase of 75% since the 1st of January and there
is much more water flowing from it over the side of the dam and into
the pool. In the south which has a temperature of 50° (F) and the
temperature of the "line pool" on January 1st was 70 degrees. From the
present temperature of the "line pool", and is flowing over the side
of the dam towards the "line pool". A small amount of water is in the "line
pool" on January 1st was removed with an active condition of very little
hard travelling, rather slow in its nature.

From the 1st of January to the 1st of February there was a small amount of water
from 500 meters. There is little or no increase in activity at this point.

The movement of the line pool, the one called by some "line-
movement" or "line", shows a great increase in activity and a temperature of
50°. The water in the area is extremely active and very
little water is flowing out and the activity consists mainly of the water
bubbles rising up from the water.

There are evidences of activity all along the line. The water level has
rose and this has been especially evident for three years. The water level has
is more beautiful than it has been for years. The water level has
activity of the water level and the lower part of the dam is
broken down again. The water level is very active at this point and
lower levels are not active at this point or along the line.

The main impression is that the water level has been carefully
not only the water level at present, is that the water level has been
and in comparison with the water level at this point it is noted that the
water level is higher in activity in the water level than it is in the
water level at this point. At the present time the water level is higher
than it was at the end of last year. The water level is higher
than it was at the end of last year. The water level is higher
than it was at the end of last year. The water level is higher
than it was at the end of last year.

The trip over the terraces was made on foot but there was some difficulty experienced in getting thru deep snow and, were it to be made again right away, axes or webs would be used. A few elk and deer were seen and many pine squirrels, a weasel and the tracks of snowshoe rabbits. There are no victims in Stygian Caves and the bats have not yet returned to the Devil's Kitchen.

Upper Geyser Basin: The observer at this point reports no material change in the geyser and hot springs activities. Riverside, Daisy, Oblong, Grand, Sawmill, Castle, Lion and Old Faithful have erupted at intervals approximately the same as last month. There has been no noticeable change in frequency, power, volume or duration. Giant, Lioness, Giantess and Beehive were inactive. The last eruption of Giant was on January 19th.

There were no noteworthy observations at Norris, Lower or Midway Basins during the month.

500 - Use of Park Facilities by the Public

510 - Increase or decrease of travel

All entrance and exit travel during the month was via the North gateway. This travel consisted principally of visiting clergymen, salesmen, business callers and friends of local residents. Winter season visitors are not registered upon entering or leaving the park but the travel as observed and noted by the ranger in charge at the Gardiner gateway is reported as follows: North Entrance 46 cars, 115 visitors. The pre-season travel at the close of February this year consists of 2156 visitors traveling in 773 cars as compared with 1299 visitors traveling in 479 cars, at the close of February 1927, and 514 visitors traveling in 164 cars prior to March 1st, 1926.

520 - General Weather Conditions

521 - In the park

The month as a whole averaged only slightly above normal. Temperatures above the average were recorded during the first and third weeks while the second and last weeks were below normal, the last week decidedly so. The highest temperature was 44° on the 3rd and the lowest -14° on both the 23rd and 24th.

The amount of precipitation which fell during the month was the lowest since 1895. Only about 20% of the normal amount occurred. The greatest depth of snow on the ground was 10.3 inches on the 16th; at the end of the month there was 9.7 inches.

The percentage of possible sunshine for the month was somewhat above the normal. It was the highest for the past 7 years and exceeded only four times on record. There were 9 clear days, 12 partly cloudy, 8 cloudy, and 9 days during which .01 inch or more of precipitation occurred.

The trip over the tortoise was made on foot but there was some difficulty experienced in getting this heavy load, with it in the main right way, and it was found to be a very difficult task. The trip was made in the morning, and the tortoise was found to be in good health. The trip was made in the morning, and the tortoise was found to be in good health.

On the way back to the river at this point there was some difficulty in the river and the tortoise was found to be in good health. The trip was made in the morning, and the tortoise was found to be in good health.

There were no noteworthy observations of birds, insects, or plants during the trip.

200 - Use of Park Facilities by the Public

210 - Increase or Decrease of Travel

All persons and all travel during the month was in the park. This travel consisted principally of local residents, business visitors and friends of local residents. The number of visitors was estimated from the number of the visitors who were in the park during the month. The number of visitors was estimated from the number of the visitors who were in the park during the month.

220 - General Weather Conditions

221 - in the Park

The month was a whole month only slightly above normal. The temperature was about normal during the first and third weeks, but the second and third weeks were below normal. The temperature was about normal during the first and third weeks, but the second and third weeks were below normal.

The amount of precipitation which fell during the month was the lowest since 1900. Only about 1/2 inch of the month's normal amount. The amount of precipitation which fell during the month was the lowest since 1900.

The probability of possible conditions for the month was estimated above the normal. It was the highest for the past 10 years and estimated only four times as much. The probability of possible conditions for the month was estimated above the normal.

Snow Depths: Snow depths throughout the park with comparative figures for 1927 and 1926 are noted as follows:

Station	Inches 1926	Inches 1927	Inches 1928
Buffalo Ranch	13	17	28
Soda Butte Cabin	14	24	30
Cooke City Station	40	62	45
Tower Falls	10	18	19
Old Faithful	33	52	30
Lake	37	44	40
Thorofare	39	60	50
Hellroaring	8	16	19
Norris	22	36	33
Canyon	42	54	36
Thumb	36	45	42
Riverside	24	50	28
Gallatin	26	24	26
Sylvan Pass	30	55	45
Snake River	49	75	61
Beehler River	75	107	55
Upper Slough Creek Station	42	36	42

Snow depths at other points are noted as follows: Crystal Spring 40, Norris Hill 40, Blanding Hill 55, Canyon Hill 46, 3-mile post north of Lake Junction 46, Aster Creek 80 inches, 7-mile post north of Snake River 110, Colter Creek 56, Cascade Creek Cabin 90, Two-ocean plateau 66, Mariposa Lake 54, along east shore of Yellowstone Lake from Thorofare to Park Point Cabin 50 inches, Cub Creek Cabin 66, Pelican Creek Cabin 32, Mist Creek Divide 62, Cache Creek Cabin 68, Cache Creek Divide 76, and Pawn Pass District 84 inches. Night temperatures in the Upper Park generally ranged from zero to a maximum of 39 below. The lowest temperatures recorded occurred on the night of the 23rd. The reports submitted at that time are as follows:

Buffalo Ranch	35
Gallatin	30
Tower Falls	35
Upper Slough Creek	39
Lake Station	31
Old Faithful	30
Riverside	37

Snow Depths and water content at points in the south district are noted as follows:

Location	Snow Depth	Water Content
Aster Creek	80 inches	30 inches
7-mile post north of Snake River	110 "	43 "
Colter Creek	56 "	22 1/2 "
Snake River Station	61 "	19 1/2 "

Notes for 1957 and 1958 are noted as follows:
 (Note: These figures are based on the data with corrections)

Location	1957	1958	1959
Upper River	12	13	14
Lower River	14	14	14
Upper River	16	16	16
Lower River	18	18	18
Upper River	20	20	20
Lower River	22	22	22
Upper River	24	24	24
Lower River	26	26	26
Upper River	28	28	28
Lower River	30	30	30
Upper River	32	32	32
Lower River	34	34	34
Upper River	36	36	36
Lower River	38	38	38
Upper River	40	40	40
Lower River	42	42	42
Upper River	44	44	44
Lower River	46	46	46
Upper River	48	48	48
Lower River	50	50	50
Upper River	52	52	52
Lower River	54	54	54
Upper River	56	56	56
Lower River	58	58	58
Upper River	60	60	60
Lower River	62	62	62
Upper River	64	64	64
Lower River	66	66	66
Upper River	68	68	68
Lower River	70	70	70
Upper River	72	72	72
Lower River	74	74	74
Upper River	76	76	76
Lower River	78	78	78
Upper River	80	80	80
Lower River	82	82	82
Upper River	84	84	84
Lower River	86	86	86
Upper River	88	88	88
Lower River	90	90	90
Upper River	92	92	92
Lower River	94	94	94
Upper River	96	96	96
Lower River	98	98	98
Upper River	100	100	100

Notes for 1957 and 1958 are noted as follows:
 (Note: These figures are based on the data with corrections)
 Upper River 12, Lower River 14, Upper River 16, Lower River 18, Upper River 20, Lower River 22, Upper River 24, Lower River 26, Upper River 28, Lower River 30, Upper River 32, Lower River 34, Upper River 36, Lower River 38, Upper River 40, Lower River 42, Upper River 44, Lower River 46, Upper River 48, Lower River 50, Upper River 52, Lower River 54, Upper River 56, Lower River 58, Upper River 60, Lower River 62, Upper River 64, Lower River 66, Upper River 68, Lower River 70, Upper River 72, Lower River 74, Upper River 76, Lower River 78, Upper River 80, Lower River 82, Upper River 84, Lower River 86, Upper River 88, Lower River 90, Upper River 92, Lower River 94, Upper River 96, Lower River 98, Upper River 100.

Notes for 1957 and 1958 are noted as follows:
 (Note: These figures are based on the data with corrections)

Location	1957	1958	1959
Upper River	12	13	14
Lower River	14	14	14
Upper River	16	16	16
Lower River	18	18	18
Upper River	20	20	20
Lower River	22	22	22
Upper River	24	24	24
Lower River	26	26	26
Upper River	28	28	28
Lower River	30	30	30
Upper River	32	32	32
Lower River	34	34	34
Upper River	36	36	36
Lower River	38	38	38
Upper River	40	40	40
Lower River	42	42	42
Upper River	44	44	44
Lower River	46	46	46
Upper River	48	48	48
Lower River	50	50	50
Upper River	52	52	52
Lower River	54	54	54
Upper River	56	56	56
Lower River	58	58	58
Upper River	60	60	60
Lower River	62	62	62
Upper River	64	64	64
Lower River	66	66	66
Upper River	68	68	68
Lower River	70	70	70
Upper River	72	72	72
Lower River	74	74	74
Upper River	76	76	76
Lower River	78	78	78
Upper River	80	80	80
Lower River	82	82	82
Upper River	84	84	84
Lower River	86	86	86
Upper River	88	88	88
Lower River	90	90	90
Upper River	92	92	92
Lower River	94	94	94
Upper River	96	96	96
Lower River	98	98	98
Upper River	100	100	100

540 - Visitors

Mr. Chalmer D. Sinkey, Staff cameraman for the Hearst News Service, Incorporated, arrived at headquarters on the 24th. He secured some excellent wild life pictures and a picture story of winter sports in the Yellowstone, which he considered unusually good. A party of 8 was organized for the purpose and the shots were taken in the night time with the aid of flares. He used 250 feet of film in making this story. Mr. Sinkey left here on the morning of the 26th.

900 - Miscellaneous

Hospital and Medical Service: Dr. Anderson, Resident Physician, reports 56 office calls and 32 house calls during the month of February.

Post Office: Nothing special or unusual to report.

Church Services: During February religious services were held at Park Headquarters as follows: English Lutheran services by Rev. Webster H. Clement evening of Tuesday, February 7th; Episcopal services by Rev. John F. Come, Sunday morning, February 19th; Methodist services by Rev. Otto G. Ponath, Wednesday evening, February 22nd. All services were held in the Lodge Room.

Very truly yours,

Joseph Jaffe
Acting Superintendent.

ASG

ASG

Mr. O'Connell, a self-confessed fan of the Boston Red Sox, arrived at headquarters on the 24th. He carried some excellent all life photos and a picture story of what went on in the clubhouse, which he considered unusually good. A party of 8 was organized for the purpose and the night was the night time with the aid of liquor. He took the first of his in making this story. Mr. O'Connell left on the morning of the 25th.

Harold and Michael Davies: Mr. Anderson, Resident Inspector, reports 30 office calls and 35 house calls during the month of February.

Law Office: Nothing special or unusual to report.

Other Events: During February religious services were held at the following places: Catholic services by Rev. Father J. J. O'Connell at 10:00 a.m. on Tuesday, February 1st; Protestant services by Rev. J. J. O'Connell at 10:00 a.m. on Wednesday, February 2nd; Protestant services by Rev. J. J. O'Connell at 10:00 a.m. on Thursday, February 3rd; Protestant services by Rev. J. J. O'Connell at 10:00 a.m. on Friday, February 4th; Protestant services by Rev. J. J. O'Connell at 10:00 a.m. on Saturday, February 5th. All services were held in the large hall.

Very truly yours,

Joseph J. O'Connell
Police Superintendent

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

YELLOWSTONE National Park for the Month of FEBRUARY, 1928.

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
Current generated,	54030.	519380.	44090.	496890.0	22490.	4
Sold to park operators, . . .	174.3	78559.8	199.8	79605.9	-1046.1	
Sold to others,						
Furnished to other Governmental agencies,						
Used by National Park Service, lost in transit, etc., . . .	53855.7	440820.2	43890.2	417284.1	23536.1	4
Total current generated, . .	54030.0	519380.0	44090.0	496890.0	22490.0	4

Amount receivable from the sale of electricity, \$ 8.71

* Indicated by K. W. H.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

National Park for the Month of

Increase for Travel Year		Last Travel Year	This Month	This Travel Year	This Month
Number		To Date	Last Year	To Date	Month
Percent					

Current generated,	14,275.0	14,275.0	14,275.0	14,275.0	14,275.0
Sold to park operators,	1,427.5	1,427.5	1,427.5	1,427.5	1,427.5
Sold to others,					
Furnished to other governmental agencies,					
Used by National Park Service, lost in transit, etc.,	2,855.0	2,855.0	2,855.0	2,855.0	2,855.0
Total current generated,	18,557.5	18,557.5	18,557.5	18,557.5	18,557.5

Amount receivable from the sale of electricity,

Indicated by K. W. H.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

YELLOWSTONE National Park for the Month of FEBRUARY, 1928

	This Month	This Month Last Year
Number of employees beginning of month,	69	63
Number of additions,	0	0
Total,	69	63
Number of separations,	0	0
Number of employees close of month,	69	63
Number of promotions during month	0	0
Aggregate amount of annual leave taken,	89	83
Aggregate amount of sick leave taken,	46	8
Aggregate amount of leave without pay,	0	0

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Yosemite National Park for the Month of _____

	This Month	This Month	Last Year
Number of employees beginning of month.	63	63	63
Number of additions	0	0	0
Total	63	63	63
Number of separations	0	0	0
Number of employees close of month.	63	63	63
Number of promotions during month	0	0	0
Aggregate amount of annual leave taken	89	89	89
Aggregate amount of sick leave taken	46	46	46
Aggregate amount of leave without pay	0	0	0

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

YELLOWSTONE National Park for the Month of FEBRUARY, 1928

	This Year	Last Year
Park revenue on hand beginning of month	0	0
Received.	1794.63	3743.53
Total.	1794.63	3743.53
Remitted.	1794.63	3743.53
On hand close of month.	0	0

Park revenues received this year to date.	\$237,179.13
Park revenues received last year to date.	<u>216,161.23</u>
Increase.	<u>21,017.90</u>
Percent of increase	9

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

YIELD STATE National Park for the Month of FEBRUARY, 1933

Year	This Year	Last Year
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Handed on hand beginning of month	0	0
Received	1724.63	3143.93
Total	1724.63	3143.93
mitted	1724.63	3143.93
Hand close of month	0	0

Park revenues received this year to date	4637.19.13
Park revenues received last year to date	216,161.23
Increase	21,017.90
Percent of increase	9

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

..... National Park for the Month of
YELLOWSTONE FEBRUARY 1928

	This Month	This Month Last Year	Increase	Percent Increase
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LOCAL BUSINESS

Miles of circuit maintained,	462	391	71	18
No. of telephones connected,	146	141	5	035
No. of measured service calls,				
No. of other local calls,				
Total No. of local calls,	4939	5312	-373	-7
Peak load in calls per day,	226	299	- 73	-24

Receipts from measured service calls, . .
" " coin boxes,
" " telephone rental,

TOTAL RECEIPTS

LONG DISTANCE BUSINESS

No. Outbound calls,	40	39	1	2
No. Inbound calls,	75	46	29	63

TOTAL LONG DISTANCE CALLS

Peak load in calls per day,	10	7	3	43
Receipts from Long Distance business,	\$ 40.45	\$39.67		

11 of this revenue accrues to the Mountain States Telephone & Telegraph Co.)

TELEGRAPH BUSINESS

Messages via Western Union,				
Messages via				
TOTAL MESSAGES				

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

TOTAL RECEIPTS TELEPHONE & TELEGRAPH DEPTS-

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

National Park for the Month of

YEAR

This Month	This Month Last Year	Percent Increase

LOCAL BUSINESS

... of circuit maintained	...	...	...
... of telephones connected	...	...	...
... of measured service calls	...	...	...
... of other local calls	...	...	...
... of local calls	...	...	...
... load in calls per day	...	...	...

... receipts from measured service calls	...
... coin boxes	...
... telephone rental	...

TOTAL RECEIPTS

LONG DISTANCE BUSINESS

... Outbound calls	...
... Inbound calls	...

TOTAL LONG DISTANCE CALLS

... load in calls per day	...
... receipts from Long Distance Business	...

TELEGRAPH BUSINESS

... messages via Western Union	...
... messages via	...

TOTAL MESSAGES

... receipts from telegraph business	...
... of money transfer messages	...
... receipts	...

TOTAL RECEIPTS TELEPHONE & TELEGRAPH DEPTS.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

~~YELLSTONE~~

National Park for the Month of

~~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	46	773	15	479	294	61
Cars reentry						
Motorcycles						
Total motor vehicles	46	773	15	479	294	61
Persons entering via motor vehicles	115	2156	32	1299	857	66
Persons entering via other private transportation						
Total persons entering via private transportation	115	2156	32	1299	857	66
<u>OTHER TRANSPORTATION:</u>						
Persons entering via stages ..						
Persons entering via trains ..						
Persons entering otherwise						
Total other transportation..						
GRAND TOTAL ALL VISITORS	115	2156	32	1299	857	66

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

