





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

Handwritten initials

Part

FILE NO. 173

MONTHLY REPORT
DECEMBER, 1934

IMPORTANT

This file constitutes a part of the official records of the National Park Service and should not be separated or papers withdrawn without express authority of the official in charge. All Files should be returned promptly to the File Room. Officials and employees will be held responsible for failure to observe these rules, which are necessary to protect the integrity of the official records.

ARNO B. CAMMERER,
Director.



DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

YELLOWSTONE NATIONAL PARK

YELLOWSTONE PARK, WYO.

OFFICE OF THE SUPERINTENDENT

January 5, 1935

The Director
National Park Service
Washington, DC

Dear Mr. Director:

Following is the report of activities for Yellowstone National Park for the month of December, 1934.

000 - General:

December was a comparatively mild month with no sub-zero weather recorded on any day. The first few days of the month saw some snow and it was necessary to send the snowplow to Canyon on the 5th to bring out a crew working on the Canyon ranger station. The last 10 days of the month there were several snow storms, accompanied by heavy winds, so that the roads were drifted and travel was difficult even with the snowplow working. It was necessary to send the snowplow to Norris on the 22nd to bring in some of the employees of the Morrison-Knudsen Company and also to Old Faithful on the 28th to help bring in men from camp.

The road between Gardiner and Livingston was difficult to travel for a couple of days but heavy winds soon swept all the snow from the road.

The weather was sufficiently mild to permit members of the CCC camp to carry on their work daily while the contractor on the Old Faithful-Firehole Cascades road was able to continue working until Christmas when the camp was disbanded. The contractor was able to put his job in condition for good travel next spring and with the progress made this fall and early winter he should be able to complete his job considerably in advance of the time allowed for it.

The Park Service continued force account work on reconstruction of the Canyon ranger station but it was necessary to discontinue this work on December 5.

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

YELLOWSTONE NATIONAL PARK

YELLOWSTONE PARK WYD

2025 RELEASE UNDER E.O. 14176

January 1, 1918

Mr. [Name]
[Address]
[City, State]

Dear Mr. [Name]:

Reference is made to the report of [Name] dated [Date] regarding [Subject].

Very truly yours,

[Faded body text paragraph]

[Faded body text paragraph]

[Faded body text paragraph]

[Faded body text paragraph]

There was considerable interest in the opening of bids on the 17th in the canteen for the construction of an apartment house and utility building at Mammoth. Some 30 or 40 people were present and seven bids were received. The low bidder was Frank E. Anderson of Denver Colorado, who bid \$133,000 for the utility building, \$137,000 for the apartment building and \$267,000 for both buildings. The bids were immediately sent to Washington and award recommended to Mr. Anderson. No decision had been made by the end of the month on the award.

On December 17 the Director wired that the Public Administrator had approved the allotment of \$237,000 for improving the Mammoth lighting system. This was very good news as the improvement is badly needed, especially with the possibility of the new apartment house and utility building being erected.

020 - General Weather Conditions

A summary of the general weather conditions throughout the park will be found at the back of this report.

021 - In the Park

Although there was only light snowfall throughout the park during the first two weeks of December, the latter part of the month was almost continuously stormy so that precipitation at a number of points in the interior was somewhat above a 20-year average.

Due to light snowfall the roads from park headquarters to Tower Falls and the Buffalo Ranch and from headquarters to Old Faithful and West Yellowstone remained passable to automobiles until December 19. On the latter date the Old Faithful and West Yellowstone roads became impassable and the Buffalo Ranch road became practically impassable a few days later.

It was necessary to use the park snow plow on December 28 to open the road to Old Faithful so that the Morrison-Mudsen Construction Company could move men and equipment out by way of West Yellowstone, Montana. The road was again closed on the following day.

Heavy winds were frequent during the latter part of December, especially at park headquarters, where snowdrifts were formed to a depth of 3 or 4 feet.

Temperatures on the whole were moderate, the lowest being -18 at West Yellowstone.

The following table gives comparative figures on precipitation throughout the park:

(Table given on next page)

There are two main reasons for this...
The first is the...
The second is the...
The third is the...
The fourth is the...
The fifth is the...
The sixth is the...
The seventh is the...
The eighth is the...
The ninth is the...
The tenth is the...

The following table shows the...
The first column shows the...
The second column shows the...
The third column shows the...
The fourth column shows the...
The fifth column shows the...
The sixth column shows the...
The seventh column shows the...
The eighth column shows the...
The ninth column shows the...
The tenth column shows the...

Table 1: Summary of Results

The data in this table...
The first row shows the...
The second row shows the...
The third row shows the...
The fourth row shows the...
The fifth row shows the...
The sixth row shows the...
The seventh row shows the...
The eighth row shows the...
The ninth row shows the...
The tenth row shows the...

Table 2: Detailed Analysis

The data in this table...
The first column shows the...
The second column shows the...
The third column shows the...
The fourth column shows the...
The fifth column shows the...
The sixth column shows the...
The seventh column shows the...
The eighth column shows the...
The ninth column shows the...
The tenth column shows the...

The data in this table...
The first column shows the...
The second column shows the...
The third column shows the...
The fourth column shows the...
The fifth column shows the...
The sixth column shows the...
The seventh column shows the...
The eighth column shows the...
The ninth column shows the...
The tenth column shows the...

The data in this table...
The first column shows the...
The second column shows the...
The third column shows the...
The fourth column shows the...
The fifth column shows the...
The sixth column shows the...
The seventh column shows the...
The eighth column shows the...
The ninth column shows the...
The tenth column shows the...

The data in this table...
The first column shows the...
The second column shows the...
The third column shows the...
The fourth column shows the...
The fifth column shows the...
The sixth column shows the...
The seventh column shows the...
The eighth column shows the...
The ninth column shows the...
The tenth column shows the...

The data in this table...
The first column shows the...
The second column shows the...
The third column shows the...
The fourth column shows the...
The fifth column shows the...
The sixth column shows the...
The seventh column shows the...
The eighth column shows the...
The ninth column shows the...
The tenth column shows the...

The data in this table...
The first column shows the...
The second column shows the...
The third column shows the...
The fourth column shows the...
The fifth column shows the...
The sixth column shows the...
The seventh column shows the...
The eighth column shows the...
The ninth column shows the...
The tenth column shows the...

	<u>Precipitation</u>	<u>20-Year Average</u>
Buffalo Ranch	1.58"	1.27"
Gallatin	1.19"	1.41"
Lake	1.48"	1.66"
West Yellowstone	<u>3.00"</u>	1.53"
Snake River	<u>3.20"</u>	2.73"
*Tower Falls	.88"	.79"
**Bechler River	6.03"	
Mammoth	1.12"	1.42"

*Eight-year average

**No comparative figures

NOTE: Underlined figures show those above average

022 - Approaches to the Park

South, east and Cooke City approach roads were closed by snow in November and will remain blocked to travel throughout the winter. Roads to the west became blocked by snow after December 26. The north approach to the park was in excellent condition for automobile travel throughout the month with the exception of two periods (lasting less than a day) when drifting snow caused some slight impediment to travel between the above points.

Twoogwootee and Teton Passes to the south of the park were not passable to automobiles during the month, but the Hoback Canyon road leading into Jackson Hole from the south was kept open with snowplows and it is planned to keep this road open as far as Jackson Wyoming all winter. Targee Pass, between West Yellowstone and Ashton, Idaho, was closed after December 27.

023 - In Nearby States

Although snowstorms were general in surrounding states during the latter part of the month, main highways were in good condition for travel with the exception of brief periods when snow on the mountain sections caused some difficulty before being removed with state snowplow equipment.

100 - Administration

110 - Status of Work

Superintendent Toll was in Florida and the southeast throughout the month on leave and on work in connection with the inspection of proposed parks and monuments. He expects to return to Denver about the middle of January. Assistant Superintendent Emmert was acting superintendent in his absence.

<u>Year</u>	<u>Amount</u>	<u>Description</u>
1881	100.00	General Salary
1882	120.00	General Salary
1883	150.00	General Salary
1884	180.00	General Salary
1885	200.00	General Salary
1886	220.00	General Salary
1887	250.00	General Salary
1888	280.00	General Salary
1889	300.00	General Salary
1890	320.00	General Salary

... ..

...

...

Digitized by the Internet Archive
in 2013

...

...

...

...

...

...

Chief Ranger Bagley departed by car on the 10th for Washington where he has been called for special assignment for several months. Enroute he stopped in Lincoln Nebraska, to meet with Herb Weier to discuss submarginal land matters in the Yellowstone.

Senior Clerk Parke Soule departed on the 15th to investigate the possibility of a job with the Alcohol Tax Unit of the Internal Revenue Bureau at Denver. He received the position and tendered his resignation at the close of the 16th. Clerk Keith Neilson has been recommended for promotion to fill Mr. Soule's vacancy.

Chief Buffalo Keeper Joseph Douglas retired on account of age at the close of December 21 and his position has been filled by the promotion of Assistant Chief Ranger Harry Trischman. Park Ranger Childs was promoted to Mr. Trischman's position as assistant chief ranger and Park Ranger Barrows to Frank Childs' position.

Clerk Verna Roe was on leave of absence from December 15 to January 2.

120 - Park Inspections By:

121 - Acting Superintendent

Acting Superintendent Emmert made inspections around headquarters and into the interior and outside the park as follows:

December 2 - To Buffalo Ranch and return.

December 6 - To Old Faithful and return to look over the fire-hole Cascade-Old Faithful road with Associate Landscape Architect Frank Mattson.

December 10- To Hellroaring with Acting Chief Ranger Falcone and others to experiment with drifting elk; night at Hellroaring.

December 11- On elk drive at Hellroaring; return Mammoth for night.

December 15- To Livingston to meet structural Engineer Edward A. Nickel; returned Mammoth for night.

December 18- To Helena with Assistant to the Superintendent Joffe to confer with members of Montanans Inc., and various government officials. Night in Helena.

December 19- Returned to Mammoth from Helena, attending American Legion meeting in Livingston.

122 - Special Field Representatives of the National Park Service

Frank F. Mattson, Associate Landscape Architect, returned from leave and spent several days in the park, arriving via the north entrance on the fourth and departing via the same gateway on the seventh.

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..

... ..
... ..
... ..

... ..
... ..

... ..
... ..
... ..
... ..
... ..

... ..

... ..
... ..
... ..

Augustus Kempkey, Hydraulic Engineer from the San Francisco office, arrived via the north gate on the 7th to work on the proposed Mammoth lighting system. He departed via the north gate on the 15th.

Edward A. Nickel, Structural Engineer, National Park Service, in north 16th for opening of bids on apartment house and utility building; out north 18th.

140 - Labor Situation

All projects under way were completed early in the month and the men were released, putting additional names on the unemployment list. Morrison-Madsen Company kept some men at Old Faithful until near the end of the month.

An effort was made to secure the early removal for the award of the apartment house and utility building as this would afford considerable work immediately for men in the nearby communities. The appropriation of \$237,000 for the Mammoth lighting system will afford early work for a number of men.

150 - Equipment and Supplies

Four carloads of coal and one each of lumber, fuel oil, structural steel and cable and cement were received in addition to miscellaneous shipments of paper and burlap bags, hardware, tires, automobile parts and beef and pork.

160 - Status of Alienated Lands

There was considerable discussion on the possibility of securing the necessary northern elk herd winter range through the purchase of submarginal land and the project appears to be making satisfactory progress. Chief Ranger Bagley discussed this matter with Supervisor Maier in Lincoln Nebraska and also pressed the matter upon his arrival in Washington, having a conference with Assistant Director Smith on the project.

170 - Plans, Maps and Surveys

The engineering force was gradually reduced as items of field work were completed and at the end of the month consisted of one rodman and the assistant engineer detailed from Field Headquarters. Preliminary plans for the proposed hydro-electric development at Mammoth were completed and forwarded to the Chief Engineer together with other data necessary for final design. Field work on the Old Faithful water system was completed and alignment and profiles plotted and some work done on the annual correction of the master plan sheets.

...the ... of the ...
...the ... of the ...
...the ... of the ...
...the ... of the ...

140 - [Illegible]

...the ... of the ...
...the ... of the ...
...the ... of the ...

...the ... of the ...
...the ... of the ...
...the ... of the ...

141 - [Illegible]

...the ... of the ...
...the ... of the ...
...the ... of the ...

142 - [Illegible]

...the ... of the ...
...the ... of the ...
...the ... of the ...

143 - [Illegible]

...the ... of the ...
...the ... of the ...
...the ... of the ...

180 - Circulars, Placards, Publicity Bulletins, etc.

No circulars were issued during the month. The November-December Nature Notes were prepared and copies were distributed on the 29th. The cover for the Notes was printed in two colors and greatly improved the appearance of the publication. A copy is attached.

Several press memoranda were released to the Associated Press, United Press and local newspapers. A special article on the retirement of Chief Buffalo Keeper Douglas, with accompanying photographs, was sent in to the Federal Employees' magazine and it is expected that the article will be published in an early issue.

200 - Maintenance, Improvements and New Construction

210 - Maintenance

Snow removal was the principal maintenance item during the month. The plow made two trips on the loop road as far as Madison Junction to enable the contractor on the Firehole Cascades-Old Faithful section to transport men and equipment preparatory to closing down for the winter. During the last week of the month daily trips of the plow around headquarters was necessary to keep the service roads clear of drifting snow. One heavy rock slide occurred in the Gardiner Canyon bringing down approximately 150 yards of shale and heavy boulders.

220 - Improvements

Shops. Eighteen trucks, one tractor and concrete mixer were overhauled and stored for the winter. The usual maintenance of equipment in operation has gone forward. Considerable work was done for CCC truck No. 32962 due to an accident. The Army ambulance is now being overhauled.

Carpenter Shop. Some minor repairs and maintenance work were done at the Joffe quarters in addition to other maintenance work in the various buildings at head quarters.

Plumbing Department. Considerable trouble was experienced with trash and ice blocking the screen at the Panther and Glen Creeks intake. Several tile and sheet metal roofs were repaired in addition to repairing sheet metal equipment for storehouse.

Paint Shop. Most of the time was spent in renovating one or two sets of quarters.

Electrical Department. In addition to the usual maintenance and repair work several miles of telephone line were repaired.

230 - New Construction

Work was closed down on the Canyon ranger station addition, Public Works project #138, on the 6th, this being the only construction project active during the month. Reconstruction of three rooms and the bath in the old section was practically completed and the foundations and walls of the addition are ready to start building when work reopens in the spring.

Contract Construction

Morrison-Knudsen, contractors on the Firehole District 138-14 Faithful section closed down for the winter on December 27, severe weather conditions making it impossible to economically carry on further work.

300 - Activities of Other Agencies in the Park

310 - Public Service Contractors

The general store at Mammoth remained open throughout the month to take care of local residents.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

Due to light snow conditions on the north and west side of the park rangers in those sections made the greater part of their December patrols and observations with the use of cars or horses. In the deeper snow regions of the central and southern part of the park rangers used skis and snowshoes throughout December in covering their districts.

Chief Ranger George F. Bagley and Ranger Frank A. Childs, who went to Red Rock Lakes, northwest of the park on November 30, investigating lands to be secured for the proposed migratory bird sanctuary there, returned to headquarters on December 3.

On December 10 to 13 inclusive, Acting Chief Ranger Malone and Rangers Childs, Elliott, Yetter, Cammill and Walker directed an experimental elk drive in the Hellroaring section, when an attempt was made to drive 1500 head of elk out of the park to the open hunting region to the north. The drive was partially successful, in that they succeeded in pushing about half of the number up Cottonwood Creek and over the divide into legal hunting territory.

Acting Assistant Chief Ranger Raymond Harrows, in charge of forestry, attended a conference with forestry officials at Missoula Montana, December 11 to 14 at which fire protection problems were discussed.

The following information was obtained from the files of the [redacted] and is being furnished to you for your information. It is to be understood that this information is confidential and should not be disseminated outside your office.

CONFIDENTIAL - 196

The following information was obtained from the files of the [redacted] and is being furnished to you for your information. It is to be understood that this information is confidential and should not be disseminated outside your office.

CONFIDENTIAL - 197

CONFIDENTIAL - 198

The following information was obtained from the files of the [redacted] and is being furnished to you for your information. It is to be understood that this information is confidential and should not be disseminated outside your office.

CONFIDENTIAL - 199

CONFIDENTIAL - 200

The following information was obtained from the files of the [redacted] and is being furnished to you for your information. It is to be understood that this information is confidential and should not be disseminated outside your office.

The following information was obtained from the files of the [redacted] and is being furnished to you for your information. It is to be understood that this information is confidential and should not be disseminated outside your office.

The following information was obtained from the files of the [redacted] and is being furnished to you for your information. It is to be understood that this information is confidential and should not be disseminated outside your office.

The following information was obtained from the files of the [redacted] and is being furnished to you for your information. It is to be understood that this information is confidential and should not be disseminated outside your office.

Ranger Elliott, substituting for Chief Ranger Bagley, attended a meeting of the Big Horn Basin Sportsmen's Association at Lovell, Wyoming, where he delivered a talk on "Game Conservation in Yellowstone Park."

Ranger Frank W. Childs in charge of wildlife research, worked during December on a survey of the Red Rock Lakes proposed migratory bird refuge, on plans for proposed elk trapping and slaughter, on locating and staking out a new elk-trapping corral and inspection of old corrals, on outlining future projects and estimated costs of wildlife studies, and on measuring elk crates for shipping and obtaining cost of the materials.

420 - Museum Service

The lectures for the CCC camp were given by Park Service men, two each week. The men participating were Messrs. LaHoue, Emmert, Childs, Hundley and Mills. In the Mammoth community lectures dealing with a series on history was begun and two evenings were devoted to wildlife movies by Wendell Chapman.

The Naturalist Department has had the assistance of three CCC enrollees, who have mounted herbarium specimens, filed photographs, pasting publicity clippings, etc. This work is now almost current and it is expected it will be brought up to date within a very short while.

440 - Insect Control.

A comprehensive report on the status of the Yellowstone Park Beetle Project for 1934 was received from Mr. James C. Venden of the Bureau of Entomology, recommending that the project be abandoned. Acting Assistant Chief Ranger Harrows concurred in this recommendation, with the exception that he felt it imperative control work in the St. Albans area, in campgrounds and at all scenic locations be maintained. He also advised that fall surveys be continued to furnish current information on the status of infestations.

450 - Animal Disease Control

Buffalo. A test for presence of Bang's disease in the park buffalo herd was not made when the herd was rounded up this month, because only about 12 animals which were tested last year and branded were found in the 485 buffalo which were corralled. Dr. W. L. Tunnicliff, of the Veterinary Research Laboratory at the Montana State College, did not consider the testing of so few animals would result in obtaining any valuable information regarding the disease. Ranger Childs, in charge of wildlife research, suggests the possibility of making another roundup of buffalo in the early spring, when perhaps more of the branded animals can be corralled and tested.

... ..
... ..
... ..

... ..
... ..
... ..
... ..

... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..

... ..
... ..
... ..
... ..

... ..

... ..
... ..
... ..
... ..
... ..

Mountain Sheep. Dr. H.B. Mills, ACV assistant to Lamer Childs, reports finding the sheep seen on Specimen Ridge and Junction Butte in a much healthier condition than those observed on Mt. Everts. No symptoms of lung-worm were noted among the sheep on Specimen ridge.

470 - Animals

Antelope. Eighteen antelope were observed in Lamer Valley on December 20, but most of the herd had congregated near the north entrance of the park and at the Game Ranch. At the close of the month a few animals still carried the horn sheath.

Buffalo. The annual buffalo roundup which was started November 27, continued until December 19, when 485 animals had been corralled. Due to light snow conditions which permitted the animals to push into the higher country more difficulty than usual was encountered in rounding up the animals.

Trucking of live animals by Mr. Robert Yellowtail, superintendent of the Crow Indian Agency, was continued in December until he had obtained 83 animals to start a new herd on the reservation. Mr. Yellowtail also received 6 buffalo carcasses, with hides, heads and feet for a Christmas festival planned by the Indians. Nine buffalo cows were secured by the Pine Ridge Indian Agency on December 17 to be added to the small herd there.

No buffalo meat shipments were made during December, other than the six carcasses secured by Chief Yellowtail; but five carload lot shipments to various Indian Agencies are planned for early January. About 125 of the 163 animals to be slaughtered this year had been butchered and quartered at the Buffalo Ranch by the close of the month.

Elk. Elk throughout all sections of the park are in excellent winter condition. Light, non-crusting snow, permitted a wide forage area. In an attempt toward reducing the northern elk herd to numbers which the available winter range is capable of sustaining, a forced elk drive was attempted in the Mammoth-Blacktail area on the 7th. Seven rangers, directing 85 members of the local CCC camp, attempted to drive several hundred animals northward into legal hunting territory beyond the park boundary. This drive proved unsuccessful, all of the animals fleeing around and over the drivers and escaping into the higher country of the Blacktail region. A second drive, made by Acting Superintendent J.W. Emmert and a group of rangers, all mounted, was made in the Hellroaring section on the 10th to 12th. Some 1500 animals were pushed up Cottonwood Creek and a portion of them passed over the divide to the north. It is believed that a small percent of these were killed by hunters in the legal hunting areas.

... ..
... ..
... ..

... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

Four elk died or were killed during the month. One was killed as a result of being struck by an automobile near Mammoth, one became mired down in Trumpeter Lake near Tower Falls, one died ~~also~~ from natural cause (probably old age) and a fourth, which had suffered a badly broken front leg, was shot by Ranger Griss in the Bellatin district.

Ranger Griss reported that an accurate check of the Bellatin elk herd was made by himself and the Forest Service in December and that only about 1000 head were observed. Normally the Bellatin herd totals about 1800 to 2000 animals. It is possible that a considerable number of the unaccounted for animals may still be in the higher, inaccessible areas because of mild weather conditions. The total number of elk legally killed north of the park during December was 169.

Mountain Sheep. One mountain sheep was found dead in Gardiner Canyon. The animal had evidently fell or been pushed off a cliff in fighting and had fallen against a dead cedar limb which penetrated his flank. He had apparently died later from the injury. (see photographs).

480 - Phenomena

Mammoth Hot Springs. Observations by Junior Park Naturalist Kearns.

Angel Terrace. Renewed activity on the old spring site, with a strong continuation at the new outlet, some 50 feet to the south of the old spring. The deposits at the new flow are strikingly beautiful with orange, yellow, and green tints predominating.

Blue Springs. Flow had decreased since last month, ^{with} about one-half the flow of water going over the south east edge of the terrace, and the major part of the flow breaking farther to the east and to the north.

Baby Spring. A decided decrease in flow, due in part perhaps to the increase in flow at Cupids Cave nearby.

Cleopatra. An increase in flow is noted on the new spring opening from which the water is flowing to the east, while the flow to the north is about the same as last month.

Cupids Cave. A marked increase in flow, with brilliant ~~blue~~ coloring.

Hymen Spring - about the same as last month.

Jupiter Spring shows signs of activity again, but very slight.

Minerva Spring. Flow has ceased entirely from the highest point, and the travertine has bleached out white. The lower springs are continuing a strong flow.

Palette Spring. About the same as last month with the very southern edge decreasing slightly.

Cleopatra Spring. Greatly increased in flow, with livid coloring on south side.

Naiad. Continued with slight activity.

Orange Wound. Slight activity to the southeast.

Devils Kitchen. Entrance sealed over with snow drifts, as were also several of the caves to the south.

... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..

... ..

... ..

... ..
... ..
... ..
... ..

... ..
... ..
... ..

... ..

... ..
... ..
... ..

... ..
... ..

... ..

... ..
... ..
... ..
... ..

Some quite unusual geyser eruptions occurred in the Upper Geyser Basin during the second week of December. Arthur Skinner reports that the Beehive Geyser made an unusual winter play on the 7th and that the Big Cub Geyser erupted to a height of 75 feet on the same date. The Giant Geyser played to an estimated height of 200 to 250 feet on December 12. This geyser, which began eruption at 12:15 p.m., continued in vigorous play until 2 p.m., afterwards expelling large volumes of steam which continued into the night.

500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

Due to more unfavorable weather conditions than prevailed last year, travel for the month was less than a year ago. (See travel report form).

600 - Protection

620 - Fire Protection

Acting Assistant Chief Ranger Maynard Barrows compiled fire protection improvement plans for the 1935 "C" and "D" projects, prepared the annual forest fire report, made entries in the fire atlas to date made and submitted the final report on Insect Control Project #7 380, attended a conference on fire protection planning of Forest Service officials at Missoula Montana and attended to other routine matters, such as radio installation, fire inventories, insect reports, etc.

640 - Destruction of Predatory Animals

A total of 37 coyotes was killed by park rangers in the various districts during the month. Most district rangers report these animals as somewhat more numerous than last year in their sections of the park.

900 - Miscellaneous

Postoffice.

Business was heavy during December, as is usual for the Christmas season.

Church Services.

There was only one church service held in the chapel during December, that being a Christmas service conducted by Rev. E. L. Smith on the 30th, assisted by a choir of local people.

Hospital and Medical.

Miss Lillian Buhner, a nurse from the Park Hospital at Livingston, who has been handling the medical work during Dr. Budaeff's absence, reports that she had 51 office calls and made 12 house calls. Dr. Budaeff returned from leave on the 29th.

... ..
... ..
... ..
... ..
... ..

... ..

... ..

... ..
... ..
... ..

... ..

... ..

... ..
... ..
... ..
... ..
... ..
... ..

... ..

... ..
... ..
... ..

... ..

... ..

... ..
... ..

... ..

... ..
... ..
... ..

... ..

... ..
... ..
... ..
... ..

BCW

The activities of the BC were carried on the entire month without loss of time other than the holidays. Rapid progress was made on practically all projects. Two projects were completed this month; the horse pasture fence and the experimental plots. Project #43, elk corral at Blacktail, was 80% complete at the end of the month. The water system storage and pipe line at the Gems ranch are 25% and 5% complete respectively. The waste disposal at the Gems ranch is about 50% complete. The placing of the stone masonry around the Rife house at this same location has been stopped until the weather warms up. Great progress has been made on the museum project on the filing of pictures, catalog work and the herbarium. It is expected that this museum work will be current by the end of this enrollment period, which will be the first time in a great many years that this work has been up to date.

There are six boys working in the garage on truck operations, two on BC trucks with the BC mechanic and four with the mechanics on the regular Park Service equipment. These four men are assigned to the garage to repay for the use of machinery such as drill presses, lathes, grinding machines, etc., that are being used by BC.

Splendid cooperation has been received from the Army personnel.

The supervisory personnel has been able to maintain a high state of morale among the enrollees on the work projects.

The BC activities on the elk disposal will be started some time during the second week of January. These activities will not include the transporting of the elk from the corrals to the killing pens nor to the railroad head at Gardiner, Montana, in accordance with a wire from the Director.

In the disposal of the elk it will be necessary for us to have a spike camp of about five men at the lower Blough Creek ranch for five or six weeks. This spike camp has been approved by the District Commander.

The regular monthly meeting of the Federal Employees' Union 465 was held in the canteen building on December 3.

A stag party for Joseph Douglas, who was retired on December 31 was held in the canteen building. Practically every male employee at Mammoth and several from the interior of the park participated in the occasion and everyone enjoyed a most delightful evening. "Doug" quit work on December 3, he having been entitled to annual leave from the 3rd to the 31st and on the 12th he left for Spokane, Washington, where he expects to spend several months visiting with former Chief Buffalo Keeper Bob Lacombe and Mrs. Lacombe. "Doug" plans on returning to the Yellowstone next summer for some fishing and a good visit with his many friends.

Park Ranger and Mrs. Judson Rhoads are the proud parents of a 7 pound baby boy, born in the Park Hospital, Livingston, on December 7. The Rhoads now have two youngsters, a boy and a girl.

On December 8, the 5 members of the local Civil Service Board held an examination for the position of substitute Postal Clerk. There were 11 contestants. The examination was held in the canteen.

A dance for Mammoth and neighboring communities was held in the canteen on December 22. There was a large crowd in attendance and everyone enjoyed a most pleasant evening.

On Christmas Eve the children of the Mammoth community presented a program in the canteen which was greatly enjoyed by the parents and other Mammoth residents. Following the performance Santa Claus, impersonated by George Crowe, made his appearance and distributed toys, candies and fruit. After the program a number of persons went around the headquarters area singing Christmas carols.

On December 26, the Assistant Manager in Charge of the 13th Civil Service District in Denver announced examinations for the following positions to establish new registers for filling seasonal positions in the park: Foreman, Mountain Road and Trail Construction; Operator, Traction Grader; Operator, Power Blade Grader; Operator, Tractor (Crawler type); Motor Truck Driver (Heavy duty); Garageman-Driver, Irrigator; Packer (Pack Train); Blacksmith-Horseshoer; Carpenter; Electrician; Painter; Plumber. The closing date for the filing of applications for these positions was December 17.

On December 21 an examination was announced for the 13th Civil Service District for the position of Forest and Field Clerk, the closing date for the filing of applications for which is January 21.

Yours very truly

J. F. Smart
Acting Superintendent

The Commission on the Status of Women, established in 1946, was the first international body to focus on the status of women. It was created by the Economic and Social Council of the United Nations.

The Commission's mandate was to study, promote, and defend the advancement of the status of women. It has since held numerous sessions and has produced a wealth of reports and recommendations.

The Commission's work has been instrumental in the development of international instruments, such as the Convention on the Elimination of All Forms of Discrimination Against Women (CEDAW), which was adopted in 1979.

The Commission's efforts have also led to the establishment of the United Nations Development Fund (UNDAF) and the United Nations Population Fund (UNFPA), both of which have played significant roles in promoting women's rights and development.

The Commission's work has been a key factor in the global movement for women's rights. It has provided a platform for women from all over the world to voice their concerns and demands for change. Its reports and recommendations have been widely cited and have influenced national policies and international law.

The Commission's legacy is a testament to the power of international cooperation and the commitment of women and men alike to achieving gender equality. Its work continues to inspire and guide the global movement for women's rights.

United Nations

Department of Economic and Social Affairs
Division for the Advancement of Women



Mountain sheep killed during rutting season, probably having fallen against a dead cedar branch which penetrated his flank.



Group of Yellowstone rangers setting out to drive 1500 elk from overgrazed area to legal hunting territory north of park.





Loading live buffalo at the Buffalo Ranch corrals in early December.



Site of proposed new bear feeding ground in natural amphitheater at Natural Bridge; F.W.A. project.



DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

TRAVEL REPORT

Yellowstone

National Park for the Month of

December

	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,	40	1020	145	2306	-1286	-56
Cars reentry,	125	868		82	786	959
Motorcycles,		3		3		
Total motor vehicles,	165	1891	145	2391	-500	-21
Persons entering via motor vehicles,	380	5330	425	7656	-2276	-30
Persons entering via other private transportation,		44			44	
Total persons entering via private transportation,	380	5424	425	7656	-2232	-29
<u>OTHER TRANSPORTATION:</u>						
Persons entering via stages,						
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,						
GRAND TOTAL ALL VISITORS,	380	5424	425	7656	-2232	-29

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

NATIONAL PARK SERVICE

TRAVEL REPORT

National Park for the Month of

July

This Month	Last Year	This Month	Last Year	This Month	Last Year
Travel	Travel	Travel	Travel	Travel	Travel
To Date	To Date	To Date	To Date	To Date	To Date

PRIVATE TRANSPORTATION:

Private Transportation	Private Transportation	Private Transportation	Private Transportation	Private Transportation	Private Transportation
Persons	Persons	Persons	Persons	Persons	Persons
Entering	Entering	Entering	Entering	Entering	Entering
100	100	100	100	100	100
50	50	50	50	50	50
25	25	25	25	25	25
15	15	15	15	15	15
10	10	10	10	10	10
5	5	5	5	5	5
2	2	2	2	2	2
1	1	1	1	1	1

OTHER TRANSPORTATION:

Other Transportation	Other Transportation	Other Transportation	Other Transportation	Other Transportation	Other Transportation
Persons	Persons	Persons	Persons	Persons	Persons
Entering	Entering	Entering	Entering	Entering	Entering
10	10	10	10	10	10
5	5	5	5	5	5
2	2	2	2	2	2
1	1	1	1	1	1

GRAND TOTAL ALL VISITORS:

Grand Total All Visitors	Grand Total All Visitors	Grand Total All Visitors	Grand Total All Visitors	Grand Total All Visitors	Grand Total All Visitors
Persons	Persons	Persons	Persons	Persons	Persons
Entering	Entering	Entering	Entering	Entering	Entering
110	110	110	110	110	110
55	55	55	55	55	55
27	27	27	27	27	27
16	16	16	16	16	16
10	10	10	10	10	10
5	5	5	5	5	5
2	2	2	2	2	2
1	1	1	1	1	1

months in public camps during month

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Yellowstone National Park for the Month of December, 1934

	This Year	Last Year
Park revenue on hand beginning of month,	50.00	-
Received,	44,848.06	22,973.31
Total,	44,878.06	22,973.31
Remitted,	44,535.23	22,973.31
On hand close of month,	342.83	-
Park revenues received this year to date,	199,667.06	
Park revenues received last year to date,	126,794.42	
Increase,	72,872.64	
Per cent of increase,	57.47506	

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

National Park for the Month of _____

Last Year	This Year
-----------	-----------

Park revenue on hand beginning of month, _____

Received, _____

Total, _____

Remitted, _____

On hand close of month, _____

Park revenues received this year to date, _____

Park revenues received last year to date, _____

Increase, _____

Per cent of increase, _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Yellowstone

National Park for the Month of

December, 1934

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
Number of employees beginning of month	179	33	127	61
Number of additions	Reg. 1 Unreg. 0	Reg. 10 Unreg. 1	2	22
Total	181	75	129	83
Number of separations	Reg. 2	Reg. 27 Unreg. 25	1	63
Number of employees close of month	179	5	128	20
Number of promotions during month	0	-	-	-
Aggregate amount of annual leave taken	Reg. 18 Unreg. 1 Reg. 143-1/8			
Aggregate amount of sick leave taken	Reg. 7 Unreg. 2		36	
Aggregate amount of leave without pay	Reg. 5		44	

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 NATIONAL PARK SERVICE

0-100
 7-1951

STATUS OF PERSONNEL
 Annual Report for the year of 1951

This Year's Last Year		This Month	
Appointed	Reappointed	Appointed	Reappointed
12	12	12	12
10	10	10	10
8	8	8	8
6	6	6	6
4	4	4	4
2	2	2	2
0	0	0	0
1	1	1	1
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

of my office regarding as much
 of additional
 list
 of operations
 of employee class of
 of operations during
 of my office at
 of my office
 of my office

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

Yellowstone National Park for the Month of December, 1934

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	Number	Percent
Current generated,	65,071	430,321	70,085	509,018	-77,637		-16
Sold to park operators,	392	41,645	342	34,179	7,466		17.9
Sold to others,							
Furnished to other Governmental agencies,							
Used by National Park Service, lost in transit, etc.	67,479	388,736	69,743	473,839	-85,103		-18
Total current generated.	63,071	430,321	70,085	509,018	-77,637		-15

Amount receivable from the sale of electricity, \$ 20.60

* Indicated by K. W. H.

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

ELECTRICITY GENERATED, SOLD, USED, ETC.

National Park for the Month of _____

This Month		Last Year		This Month		Last Year	
Year	To Date	Year	To Date	Year	To Date	Year	To Date
1941		1940		1941		1940	
Electricity generated				Electricity generated			
Electricity sold				Electricity sold			
Electricity used				Electricity used			
Electricity purchased				Electricity purchased			
Total electricity generated				Total electricity generated			

Indicated by K, W, B.

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

Yellowstone

National Park for the Month of

December, 1934

	This Month	This Month Last Year	Increase	Percent Increase
<u>LOCAL BUSINESS</u>				
Miles of circuit maintained,	582	545	37	6.4
No. of telephones connected,	221	204	17	8
No. of measured service calls,				
No. of other local calls,				
Total No. of local calls,	5323	5174	149	3
Peak load in calls per day,	285	268	17	6

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

TOTAL RECEIPTSLONG DISTANCE BUSINESS

No. Outbound calls,	103	113	- 10	- 9
No. Inbound calls,	87	73	14	16

TOTAL LONG DISTANCE CALLS

Peak load in calls per day, out 6 5 1 17
 in 6 10 - 4 - 40
 Receipts from Long Distance business,

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-

NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

National Park for the Month of _____

Telephone Inquiries	Telephone Inquiries	This Month	
		Last Year	Percent

1	1	100	100
2	2	100	100
3	3	100	100
4	4	100	100
5	5	100	100
6	6	100	100
7	7	100	100
8	8	100	100
9	9	100	100
10	10	100	100
11	11	100	100
12	12	100	100

Percentage of business handled by telephone _____

Percentage of business handled by telegraph _____

LONG DISTANCE BUSINESS

Telephone Inquiries	Telephone Inquiries	This Month	
		Last Year	Percent

1	1	100	100
2	2	100	100
3	3	100	100
4	4	100	100
5	5	100	100
6	6	100	100
7	7	100	100
8	8	100	100
9	9	100	100
10	10	100	100
11	11	100	100
12	12	100	100

LOCAL BUSINESS

Telephone Inquiries	Telephone Inquiries	This Month	
		Last Year	Percent

1	1	100	100
2	2	100	100
3	3	100	100
4	4	100	100
5	5	100	100
6	6	100	100
7	7	100	100
8	8	100	100
9	9	100	100
10	10	100	100
11	11	100	100
12	12	100	100

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Yellowstone National Park for the Month of December, 1934

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

NO PROJECTS ACTIVE UNDER REGULAR PARK APPROPRIATION

NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

National Park for the Month of _____

Probable Date of Completion	Percent Constructed This Month 'last Month	Percent Constructed To Date	Description of Projects
-----------------------------------	---	-----------------------------------	-------------------------

NO PROJECTS ACTIVE UNDER CONTRACT IN THIS MONTH

SUMMARY OF WEATHER CONDITIONS
at
MAMMOTH HOT SPRINGS, YELLOWSTONE NATIONAL PARK

DECEMBER, 1934

The month of December, 1934, although above normal in temperature, was decidedly cooler than December, 1933, which, it will be remembered set the highest mean temperature record of the month. December, 1934, averaged 23.0 degrees, or 1.4 degrees above normal, and 5.6 degrees cooler than December, 1933. The month began below normal, each day from the 1st to the 5th, inclusive, showing a negative departure. From the 6th to the end of the month there were only six days below normal. No temperature records were broken; the highest temperature of the month was 45 degrees on the 11th, and the lowest, 7 degrees above zero on the 3d. Zero has not yet been reached at this station this winter.

Snow was frequent through the month, but mostly quite light. Rain was noted on the 14th, but it amounted only to a trace. From the 7th to the 15th, inclusive, there was no precipitation. Some, if no more than a trace, was recorded on every other date, and .01 inch or more occurred on 19 days. The total snowfall was 21.2 inches, but the greatest average depth measured during the month was 7.8 inches on the 30th. At 6 p.m. December 31, the final measurement of the month and year, the average depth of snow on the ground was 6.7 inches. The month's snows, reduced to water, gave 1.12 inches as the monthly total precipitation. This amount was 0.38 inch less than normal, and 0.26 inch less than the total of last December.

The month had four clear and four partly cloudy days, and eight cloudy days. The percentage of possible sunshine was 28. South winds prevailed, with an average hourly velocity of 8.7 miles, and a maximum at the rate of 32 miles per hour (from southwest) on the 26th.

Every month of the year except June and September was above normal in temperature, while June alone had more precipitation than normal.

W. T. LATHROP, Meteorologist.

Y
I
11 3 11

[Faint, illegible header text]

[Faint, illegible text]

[Faint, illegible paragraph of text]

[Faint, illegible paragraph of text]

[Faint, illegible paragraph of text]

[Faint, illegible paragraph of text]

[Faint, illegible footer text]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

MONTHLY METEOROLOGICAL SUMMARY.

Station, Yellowstone Park, Wyo.; month, December, 19 34.

TEMPERATURE. (Degrees Fahrenheit.)			Precipitation. (In inches and hundredths.)	Character of day.	Per cent of possible Sunshine	ATMOSPHERIC PRESSURE. (Reduced to sea level; inches and hundredths)	
Max.	Min.	Mean.				Mean	Highest
27	14	20	.02	Cloudy	28	30.23	30.86
19	8	14	T.	Cloudy	7	29.61	7
22	7	14	T.	Cloudy	8		26
26	9	18	.07	Pt. Cl'dy	41		
25	10	18	.04	Cloudy	0		
35	15	25	.01	Cloudy	2		
33	10	22	0	Clear	100		
38	13	26	0	Clear	96		
36	17	26	0	Pt. Cl'dy	73		
42	15	28	0	Clear	100		
45	20	32	0	Pt. Cl'dy	58		
41	18	30	0	Clear	100		
40	16	26	0	Pt. Cl'dy	82		
39	31	35	.01	Cloudy	0		
35	15	25	T.	Cloudy	10		
26	12	19	T.	Cloudy	0		
32	21	26	T.	Cloudy	5		
24	14	19	.08	Cloudy	8		
30	18	24	.09	Cloudy	0		
39	23	31	.01	Cloudy	0		
37	23	30	.09	Cloudy	0		
35	10	22	.07	Cloudy	0		
25	15	20	.06	Cloudy	0		
27	18	22	.04	Cloudy	51		
24	14	19	.01	Cloudy	23		
33	24	28	.10	Cloudy	5		
30	8	19	.22	Cloudy	0		
26	10	18	.04	Cloudy	48		
25	19	22	.04	Cloudy	27		
27	11	19	.11	Cloudy	7		
18	8	13	.01	Cloudy	3		
31.0	15.0	23.0	1.12	Total.	28		

NOTE.—"T" indicates trace of precipitation.

autumn frosts are not recorded after the occurrence of "killing," except in Florida and along the immediate coast of the Gulf of Mexico.

Lowest observed relative humidity, 36%, at 6 p.m. of 20th.

W. T. LATHROP, Meteorologist, Weather Bureau.

U. S. DEPARTMENT OF AGRICULTURE.

WEATHER BUREAU.

MONTHLY

METEOROLOGICAL SUMMARY.

STATION

MONTH

, 19





books by [unclear]



