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

FILE NO.

MONTHLY REPORT

February, 1938

IMPORTANT

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ARNO B. CAMMERER,
Director.



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
YELLOWSTONE NATIONAL PARK
YELLOWSTONE PARK, WYOMING

March 4, 1938

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

Dear Mr. Director:

The following is the report of activities in Yellowstone National Park during the month of February, 1938:

000 - General

The weather during the month was somewhat similar to the weather last February in that it was stormy almost every day up until the last week or ten days during which latter time the weather was quite warm resulting in the rapid disappearance of the snow. The entire winter has been remarkable in that there has been very little severe cold weather, there having been only one cold spell in February from the fourteenth to the eighteenth, inclusive, during which time a minimum of 14° below zero was recorded and temperatures below zero prevailed on each of five nights in that period. The total precipitation for the month was 0.96 inch, water content, which was 0.35 inch (melted) above normal. The daily snowfall measurements totalled 19.5 inches. Although the fall months were deficient in precipitation, August to November, the last three months have had an excess accumulation of plus 0.57 (melted) in December, plus 0.46 in January and plus 0.35 above the normal for this month. This excess is equivalent to the normal expectation for March and the first part of April. The last week in February was marked by an absence of cloudy days; from 75 to 100 per cent of the possible sunshine prevailed on each day of the last seven days accompanied by warm midday temperatures, considerable thawing and rapid ripening of the snow pack. The maximum of 51° on the twenty-seventh is near to a record; a maximum of 55° on February 28, 1932 is the only time of higher record. Only on three other times in 34 years has this month's 51° been equalled. The last four days were 10° above normal.

Considerable interest was manifested in the activities in the Canteen building throughout the month and most of the residents took advantage of the opportunities offered for indoor recreation and play. A volleyball tournament lasting four weeks caused considerable interest in the community. The tournament closed on February 10 with the winner being decided that night. The team captained by Joe Joffe finished first with a percentage of 750, Howard Gregg's team was second with 625%, Roger Miller's team third with 500%, John Lewis' team fourth with

375%, and George Miller's team last with 250%. A Dutch lunch was served for all players in the Canteen on the night of the seventeenth, the losing teams paying the bill. In view of the interest shown in this tournament another schedule of games will be arranged starting early in March. The square dancing each Wednesday evening has also proved quite popular, as has roller skating, pool, ping-pong, badminton and shuffleboard.

Due to the necessity for opening the road to the Buffalo Ranch on February 24 and 25 in order to complete a shipment of two cow buffalo and one cow elk to the Buenos Aires, Argentina zoological gardens, an invitation was extended to visitors to come to the park to see the wildlife show and participate in winter sports in that area. On Sunday, February 27, there were a considerable number of cars and visitors negotiating the Mammoth-Buffalo Ranch road, 125 cars and over 500 people being checked in at the north gate. Visitors registered from Livingston, Bozeman, Billings, Laurel, Big Timber, Columbus, Butte, Miles City, Glasgow, Helena, and Great Falls, Montana and from Sheridan, Cody and Basin, Wyoming. There were also a number of Mammoth and Gardiner people present. The weather was ideal and all roads leading to the park to Gardiner were bare of snow. Chains were necessary from Mammoth to the Buffalo Ranch. Several hundred buffalo were at the Buffalo Ranch and in the horseshoe area between the Buffalo Ranch and Tower Falls. Visitors also saw elk, deer, antelope, and mountain sheep. The occasion proved very successful. The road to Golden Gate had been open on February 23 so that it was possible for visitors to also travel the five miles from Mammoth to Golden Gate.

020 - General Weather Conditions

A summary of the general weather conditions for the park will be found attached to the back of this report.

021 - In the Park

Weather conditions over the entire park have been comparable to those recorded at Mammoth. There is about the normal amount of snow on the ground but it is reported that it is well packed and that the percentage of moisture content is somewhat above normal.

The following tabulation indicates the comparative depths of snow at the end of the month at various locations throughout the park:

	<u>1932</u>	<u>1933</u>	<u>1934</u>	<u>1935</u>	<u>1936</u>	<u>1937</u>	<u>1938</u>
Buffalo Ranch	24	24	33	11	27	20	18
Bechler River	64	79	43	42	87	70	59
Cooke	30	41	31	20	36	40	35
Gallatin	27	38	20	25	36	30	32
Lake	32	38	20	20	38	28	40
Aster Creek	68	86	60	54	90	62	
Mammoth	12	12		27	20	8	7

	<u>1932</u>	<u>1933</u>	<u>1934</u>	<u>1935</u>	<u>1936</u>	<u>1937</u>	<u>1938</u>
Snake River	43	70	41	33	76	58	44
Soda Butte	14	14	4	18	30	21	16
Tower Falls	23	24	4	18	30	21	22
West Yellowstone	36	43	23	31	55	50	39

022 - Approaches to the Park

Weather conditions have not materially affected the approaches to the park that have been kept open to Travel this month. Snow removal crews, employed by the Montana State Highway Department have reported little difficulty in keeping the road from Bozeman to West Yellowstone open to travel and the road from the north entrance to Livingston has been free of snow and in good condition throughout the entire month. All other approach roads to the park have been closed by snow.

023 - In Nearby States

Weather reports received from the surrounding states indicate that temperatures have ranged somewhat low, in comparison with those recorded in the park, and that precipitation and snowfall have been somewhat below normal.

100 - Administration

110 - Status of Work

Superintendent Rogers returned to the park on February 4 from Denver where he had been on leave from the middle of December during which time he also attended a conference of park superintendents in Washington in January. He left by car on February 22 for a trip of several weeks' duration which will take him to Denver; Santa Fe, New Mexico; Boulder City, Nevada; Death Valley; La Jolla; Los Angeles, Sequoia; San Francisco; Yosemite; Lassen; Crater Lake; Mount Rainier; Portland; Seattle; and Mount Hood on a special assignment from the Director to study winter activities in other areas and to contact park superintendents, monument custodians and various outdoor organizations. He plans on showing motion pictures of the Yellowstone about April 5.

Chief Clerk Keith Neilson was absent on annual leave throughout the month expecting to return about March 7.

Park Naturalist Bauer has been on a special assignment in Death Valley National Monument throughout the month. The assignment was arranged in order that Dr. Bauer might be at a lower altitude and warmer climate with a view to recuperating from his recent illness.

Mrs. E. A. Allan, telephone operator, returned to duty on February 3, having been absent from January 22 due to illness.

1900	1901	1902	1903	1904	1905	1906
10	12	15	18	22	28	35
15	18	22	28	35	45	60
20	25	32	42	55	75	100
25	32	42	55	75	100	130

100 - Summary of the work

The work of the committee has been directed towards the improvement of the conditions of the laboring classes in the various parts of the country. It has been found that the most effective means of accomplishing this end is by the formation of friendly societies, which are organized on the principle of mutual aid and assistance. These societies have been formed in every part of the country, and have done much to improve the condition of the laboring classes. They have provided for the sick, the aged, and the infirm, and have also done much to improve the moral and religious condition of the laboring classes. It is hoped that the work of the committee will be continued, and that the conditions of the laboring classes will be further improved.

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On February 3 the park received notice of the establishment on January 28 of two new clerk-stenographer positions, Grade 8, \$1800 per annum, Nos. 176 and 177. One of these clerks is to be assigned to willing work while the other is for the engineer office.

Acting Assistant Chief Ranger Albert Elliott returned to duty on February 7 having been absent due to illness since the first week in January.

February 9 was the closing date for the filing of applications for the examinations for the positions of gasoline engine operator, road maintenance foreman, garageman-driver, incinerator operator, irrigator, motor truck driver, power grader operator, painter, plumber, plumber's helper, packmaster and guard, announced by the 13th Civil Service District. Due to the receipt of such a small number of applications for some of the examinations, the filing of applications was advanced to February 24 for most of them.

Glenn D. Williams, transferred from the Disbursing office, Treasury Department, Helena, Montana, to the position of clerk in the Yellowstone organization, vice Jerry P. Tonini, arrived in the park on February 14, and entered on duty on the sixteenth.

Master Painter Lee Tompkins, who has been filling this position since 1930, resigned to engage in farming in Iowa. He departed from the park on February 18 and his services will be terminated, including his leave, on March 15.

On February 21 the Local Civil Service Board received a notice to hold an examination for the position of Guard on March 5. There are to be 18 competitors. The examination was announced to fill future vacancies in this position in the Yellowstone organization.

Master Mechanic R. R. Robinson, Jr. returned from a month's leave on February 23, having visited in St. Louis, Chicago and New Orleans.

Acting Chief Ranger LaNoue returned to duty on February 23, having been away from the office due to illness since the first week in January.

Assistant Park Naturalist William Kearns was rushed to the hospital in Livingston on February 24 where he immediately underwent an operation for appendicitis.

120 - Inspections by:

121 - Superintendent

Superintendent Rogers returned to the park on February 4 and left again on February 22 for an automobile trip which will take him into the southwest and along the Pacific coast. While in the park he attended a meeting of the Rotary Club in Livingston on February 14 with Messrs.

In February 1930 the first meeting of the committee was held in the new building at 1000 Broadway, New York City. The committee was organized to study the problem of the education of the deaf-blind.

Following the meeting of the committee on February 19, 1930, the committee was organized to study the problem of the education of the deaf-blind.

February 19 was the date when the committee was organized to study the problem of the education of the deaf-blind. The committee was organized to study the problem of the education of the deaf-blind.

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Assignment was given to the committee on February 19, 1930, to study the problem of the education of the deaf-blind.

1930 - 1931

1931 - 1932

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Emmert and Joffe. The park men put on the program for the occasion.

During Mr. Roger's absence from the park Assistant Superintendent Emmert was Acting Superintendent.

Assistant to the Superintendent Joffe spoke in Billings, Montana on February 24 at a noon luncheon put on by the Billings Commercial Club to promote travel.

122 - Field Representatives of the National Park Service

Dr. Adolph Murie, Wildlife Technician, from the Regional Office, Omaha, spent the entire month in the park on coyote studies.

Assistant Landscape Architect Howard Gregg of the Regional Office, Omaha departed from the park on February 11 for Milwaukee, Wisconsin, his services with the National Park Service having been terminated due to reduction of force in the CCC. Mr. Gregg had been assigned to the Yellowstone for several years having returned to the park on May 13, 1937.

125 - Other Governmental Officers

John F. McClure, Field Examiner, Civil Service Commission, Denver, Colorado, arrived in the park on February 5 to conduct an oral examination for Park Ranger H. H. McCully. He departed the same day.

Oscar O. Brattebo, Construction Engineer, Procurement Division, Treasury Department, the engineer and inspector on the Mammoth Post Office building, departed on February 15 for Colorado to another assignment. Mr. Brattebo has been in the park since May 31, 1936.

140 - Labor Situation

All activities of contractors and operators were closed down throughout the month and no work was in progress which provided employment for other than the park's regular force.

150 - Equipment and Supplies

There were seven carloads of coal, one carload of fuel oil and two carloads of tile received in addition to other shipments of covered cable, lubricating oil, salt, electrical supplies and steel bars weighing 6,162 lbs.

160 - Status of Alienated Lands

There was no change in the status of alienated lands in the park during the month.

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170 - Plans, Maps and Surveys

Activities in the engineering section were generally routine with the Park Engineer and Assistant cleaning up tag ends of the compilation of field data gathered last season, preparing work plans and budgeting the coming seasons maintenance activities. Engineer Wohlbrandt, CCC, gave his entire time to the supervision of work in the Mammoth campground with special attention to the items of water and sewer installation.

180 - Circulars, Placards, Publicity Bulletins, Etc.

No circulars were issued during the month. The January-February issue of Nature Notes was prepared and mailed out on February 23 to the park's mailing list of over 900 names. Several items for newspaper stories were furnished Livingston newspapers and some photos were mailed out for publicity purposes.

200 - Maintenance, Improvements and New Construction

210 - Road Maintenance

Operation of the crushing plant at the Gardiner pit, as reported last month, was continued with a very satisfactory production of various grades of both road and concrete aggregate. General road maintenance was much heavier around the headquarters area than for several years past during the February period. Unusually warm weather during the latter part of the month causing heavy runoff of the melting snow and ice-clogged ditches required thorough cleaning and a large volume of ice and slush had to be removed from the various service roadways. The rotary snow plow cleared the road between Mammoth and the Buffalo Ranch the last week of the month to allow the shipping of buffalo for a South American order.

220 - Improvements

Shops - The usual maintenance of equipment in operation was taken care of in addition to several days spent plowing snow and opening roads to the Buffalo Ranch. Besides the usual repairs made during the month there were sixteen trucks overhauled.

Electrical Department - In addition to the usual maintenance and repair work, a thorough inspection of all Government residences and work shops was made to locate radio interference and reduce the fire hazard caused by electrical wiring and appliances. All Government equipment was repaired when found defective.

Carpenter Shop - Various jobs consisted of building and installing two kitchen cabinets in the new cottages at the Mammoth campground, building an elk crate, setting up several tent houses and minor repairing jobs.

Plumbing Department - In addition to the usual maintenance and

170 - Training and Education

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180 - Research, Planning, and Evaluation

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190 - Management, Administration and Organization

200 - Health Maintenance

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210 - Improvement

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220 - Health Maintenance

operation during the month, 400 feet of 8-inch sewer line was laid at the Mammoth campground and the plumbing installation was completed in one of the residences.

Paint Shop - Various repair jobs were done during the month of February.

230 - New Construction

No Park Service force account construction projects were active during the month.

Contract Construction

The Yellowstone Park Company organized a small crew during the last week of the month for the hotel and lodge development preparatory to installing a full crew early in March.

Several of Peter Kiewit's key men and mechanics arrived near the end of the month to look over equipment stored here during the winter and have everything in readiness to start work on the Mammoth Esplanade as soon as weather conditions will permit.

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. No work was in progress during the month on the Mammoth hotel and lodge development but crews were moving in at the end of the month and work will be resumed the first of March.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

The regular activities of the Protection Department that have been carried on this month have consisted of regular patrols on skis and snowshoes for the purpose of maintaining communications, removing snow from government buildings, protection against poachers, and wildlife observations. A considerable amount of time has been devoted to the trapping and shipping of live elk to fill various requests for animals to be used for restocking purposes in Montana and Idaho. Regular range study work in the area designated as the winter elk range has been carried on by rangers stationed in this area.

Other activities have been the feeding of the buffalo herd on the winter feeding ground, maintenance and feeding of the government horse herd, counting deer, antelope, Bighorn sheep, and elk, and various other associated activities.

operation during the month, 400 feet of 1-inch diameter pipe was laid in the trench and the trench was backfilled with the same material as the trench.

11th Nov - Various repairs jobs were done during the month.

12th Nov - New Installation

The new service lines were installed during the month.

13th Nov - New Installation

The new service lines were installed during the month.

The new service lines were installed during the month.

14th Nov - Various repairs jobs were done during the month.

15th Nov - Various repairs jobs were done during the month.

The new service lines were installed during the month.

16th Nov - Various repairs jobs were done during the month.

17th Nov - Various repairs jobs were done during the month.

The new service lines were installed during the month.

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420 - Museum Service

The duties of the Naturalist Department consisted of several lectures given by Assistant Park Naturalist Kearns in Livingston to the Livingston Kiwanis Club, High School and the Livingston Congregational Church Group; preparation of the Nature Notes, checking and compiling of data for Place Names, several field trips, and general routine matters.

470 - Animals

Foraging conditions for all game animals were made difficult this month by the heavy blanket of crusted snow that covered a great percentage of the winter range, but most of the animals observed appeared to be in fair condition with good prospects of surviving the winter if the mild temperatures recorded at the last of the month continued. It was noticed that a great many elk were in poor and weakened condition but the situation is not yet critical.

Approximately 500 head of buffalo were being fed at the Buffalo Ranch at the end of the month and it was reported that over a hundred head were observed wintering on the meadows in Pelican Creek valley. Several other smaller groups of these animals were observed in Hayden Valley and at various points along the upper Lamar River.

In a census of Bighorn sheep, deer, and antelope made during the last few days of the month, 175 sheep, 782 deer and 786 antelope were counted. Weather conditions were unusually favorable for a good count and it is believed this census is one of the most complete and accurate ever taken. The deer counted outside of the park, in the area which constitutes part of the winter game range for the northern Yellowstone big game herds, have not been reported and are not included in the above figure.

Two black bear were seen out of hibernation at the Buffalo Ranch this month. One bear was observed at the Ranch house on January 20 and continued to stay in the vicinity for several days. This one disappeared and on February 18 a second bear made its appearance. The second bear was still out and making a considerable nuisance of itself at the end of the month. On three different occasions it had broken into buildings causing extensive damage to the buildings and to food and kitchenware.

A few coyote depredations have been observed and reported this month. In each case the victims of the predators were deer.

480 - Phenomena

Mammoth Hot Springs Area

Angel Spring - shows further shifting of the water to the northeast.

The above is a summary of the information received from the various sources mentioned in the report. It is believed that the information is reliable and that the above is a true and correct statement of the facts as they are.

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Summary of Information

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Baby Spring - continues to fluctuate in amount and time of flow.

Blue Spring - shows increased activity during the past month.

Cleopatra Spring - remains the outstanding spring of the area from the standpoint of beauty. Much of the water has shifted to the west on the terrace.

Cupid Spring - The amount of discharge remains constant but it is coming from new vents to the southeast. The old vent is dry.

Hymen Spring - is still inactive.

Main Spring - continues with more water than last month due to the runoff from new springs to the west.

Minerva Spring - shows no change from last month.

Mound Spring - continues its activity as reported last month.

Naiad and Opal Springs - continues the same.

Orange Spring Mound - continues about as in January.

Summit Basin Spring - is almost dry at the end of February. The spring to the east of Summit Basin shows a definite decrease in the amount of water discharged.

New Spring on Main Terrace - Much of the water is draining into a large vent where previously a strong flow of water issued forth. Several new vents have broken out while a few of the old ones have gone dry.

500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

The total travel to date shows a decrease of 32.5 percent in motor vehicles and 30.5 percent in park visitors, as compared with the same period last year. There was considerable more travel reported this month, however, than was reported during February last year. This may be accounted for by the fact that the road to the Buffalo Ranch was opened to travel on the twenty-sixth and publicity was sent out advising people in the surrounding states of this fact and of the wildlife show and the winter sports possibilities presented for visitors to the park.

520 - Special Visitors

There were no special visitors to the park during the month.

Low water - indicates to fishermen to search for fish in low water.
High water - shows increased activity during the high water.
Optimal water - indicates the best time to fish for a particular species of fish. Most of the water has been used to fish in the past.

Good water - the amount of fish in the water is good, but it is coming from the river to the ocean. The fish are in the water.

Bad water - conditions are poor when the fish are in the water. Low water is the best.

Shallow water - shows the water is shallow.
Deep water - indicates the water is deep and cold.

Warm water - indicates the water is warm.
Cool water - indicates the water is cool.

Light water - is about the amount of light in the water. The amount of light is about the amount of light in the water.

Low water - shows the water is low. The amount of water is low. The amount of water is low. The amount of water is low.

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900 - Miscellaneous

Post Office - There was a slight increase in business over the corresponding month of last year and also a slight increase over the month of January, 1938.

Church Services - Rev. Webster B. Clement, Lutheran Minister from Livingston, conducted church services in the Canteen building on February 28.

Hospital and Medical - There were 25 home and 81 office calls reported for the month.

C.C.C.- Good progress has been made during the past month on all C.C.C. projects. The Mammoth campground development is beginning to show up and it is believed that this new layout will prove satisfactory from all angles, especially in handling the large trailer houses. Since the beginning of the 10th Enrollment Period, approximately four thousand lineal feet of sewer and water line trench have been excavated, depths ranging from four to twelve feet through hard travertine formation. It is expected that the entire sewer system will be completed at the end of this enrollment period, barring unforeseen loss of men.

Two of our employees' cottages being constructed by C.C.C. are about 90 per cent complete and should be available for occupancy at the end of this period. Good progress is being made on the three comfort stations in the campground and these should be ready for use about June 1.

Weather conditions have been very favorable during the past few months and cold weather and snow have been very little hindrance to C.C.C. work.

During the month work outlines and estimates of costs have been submitted for the C.C.C. operation in the park for the 11th Enrollment Period and we are expecting to have the Lake and Nez Perce camps re-occupied for the summer.

The necessary forms have been submitted covering the obliteration of the Canyon C.C.C. camp which will not be occupied.

Should at any time it be desired to establish C.C.C. workers in the Canyon area, it is planned to relocate the camp at a point which will be more advantageous for work activities and be less conspicuous than at the present location.

Splendid Cooperation is existing between the Company commanders

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and the supervisory personnel.

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The regular monthly meeting of the Federal Employees Union No. 465 was held in the Canteen building on February 7. Following the meeting a Dutch lunch was served.

On the night of February 16 the members of the community held a dancing party and lunch in the Canteen building on the occasion of the departure of Master Painter Lee Tompkins and family.

The Mid-Winter Carnival Dance was held in the Canteen on February 26. Quite a number of outsiders who were in Gardiner to be present for the winter sports and game show the following day attended the party.

Yours very truly,

J. W. Hamert,
Acting Superintendent.

VG

The Board of Trustees of the University of Chicago has the honor to acknowledge the receipt of your letter of the 15th inst. regarding the matter of the proposed extension of the term of office of the Board of Trustees from five to seven years.

In the light of the fact that the Board of Trustees of the University of Chicago has heretofore been elected for a term of five years, and that the Board of Trustees of the University of Chicago has heretofore been elected for a term of five years, it is suggested that the Board of Trustees of the University of Chicago should continue to be elected for a term of five years.

The Board of Trustees of the University of Chicago has the honor to acknowledge the receipt of your letter of the 15th inst. regarding the matter of the proposed extension of the term of office of the Board of Trustees from five to seven years. It is suggested that the Board of Trustees of the University of Chicago should continue to be elected for a term of five years.

Very truly yours,

W. W. Abbott,
Acting Secretary



Sewer System - CCC Job No. 7.
Fifty per cent of 8" sewer main for
Mammoth Camp Ground completed.



Faint, illegible text or markings at the bottom of the page.



Mammoth Camp Ground Development CCC Job No. 1.
A good showing has been made on this job.







Comfort Station - CCC Job No. 8, Mammoth Camp Ground.
Three comfort stations of this type are 50% complete.



Employees Cottage - CCC Job No. 412 - Mammoth.
Two cottages of this type are 90% complete.





Storage Building for dynamite.
CCC Job No. 44 at start and completion of work.
Tenth Period.







Storage Building for dynamite caps, CCC Job No. 243 at start and completion of work. Tenth Period.





UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Yellowstone National Park for the month of February, 1938

	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>						
Persons first entry,	179	1269	6	1362	-93	- 6.9
Persons reentry,	54	928	103	1887	-959	-51.3
Motorcycles,				6	- 6	-100.0
Total motor vehicles,	233	2197	109	3255	-1058	-32.5
Persons entering via motor vehicles,	824	6465	284	9294	-2729	-29.3
Persons entering via other private transportation,		18		40	- 24	-60.00
Total persons entering via private transportation,	824	6483	284	9334	-2851	-30.5
<u>OTHER TRANSPORTATION:</u>						
Persons entering via stages,	9	9		9	9	100.0
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,	9	9	284	9334	-2842	-30.5
AND TOTAL ALL VISITORS,	833	6492	284	9334	-2842	-30.5

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

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Yellowstone

February, 1938

National Park for the Month of

	This Year	Last Year
Park revenue on hand beginning of month,	-	-
Received,	\$7,373.09	\$51,082.13
Total,	7,373.09	51,082.13
Remitted,	7,373.09	51,082.13
On hand close of month,	-	-
Park revenues received this year to date,	\$422,312.01	
Park revenues received last year to date,		348,743.68
Increase,	73,568.33	
Per cent of increase,		21.08

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

February, 1925

National Park for the Month of

Last Year	This Year
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7,375.00	7,375.00	Revenue on hand beginning of month
21,000.00	21,000.00	Revenue received
28,375.00	28,375.00	Total
21,000.00	21,000.00	Revenue on hand close of month

21,000.00	21,000.00	Revenue received this year to date
21,000.00	21,000.00	Revenue received last year to date
0.00	0.00	Increase
0.00	0.00	Per cent of increase

10-159
 May, 1931)

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Yellowstone National Park for the Month of February, 1938

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
Number of employees beginning of month	Reg. 85 CCC 20	9	Reg. 76 ECW 10	11
Number of additions	Reg. 1	7	1	10
Total	106	16	87	21
Number of separations	0	0	0	6
Number of employees close of month	Reg. 86 CCC 20	16	87	15
Number of promotions during month	0		2	
Aggregate amount of annual leave taken	Reg. 126-5/32 CCC 29-3/4		Reg. 105-7/16 ECW 39-1/2	
Aggregate amount of sick leave taken	Reg. 27-1/2 CCC 3-1/2		Reg. 36-1/4 ECW 2-1/2	
Aggregate amount of leave without pay	0		0	

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

National Park for the Month of

February, 1931

This Month Last Year		This Month		
Appointed	Non-Appointed	Appointed	Non-Appointed	
15	10	9	10	of employees beginning of month
10	1	7	1	of additions
12	10	15	10	
6	0	0	0	of separations
10	10	15	10	of employees close of month
				of promotions during month
				ate amount of annual leave taken
				ate amount of sick leave taken
				ate amount of leave without pay

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

Yellowstone National Park for the Month of February, 1938

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
Current generated,	91,900	785,300	87,500	709,500	75,800	10.68
Sold to park operators,	550	62,890	1,032	60,305	2,585	4
Sold to others,						
Sold Furnished to other Governmental agencies,	870	1,828	-	-	1,828	-
Used by National Park Service, lost in transit, etc.,	90,480	720,582	86,468	649,195	71,387	10.99
Total current generated, . . .	91,900	785,300	87,500	709,500	75,800	10.68

in Mammoth (1938) \$ 39.78

Amount receivable from the sale of electricity, (1937) . . \$14.80

* 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 _____, 19__

Increase or Decrease in Travel Year	Last Year To Date	This Month Last Year To Date	This Month Travel Year To Date	This Month	Generated	
					By National Park Service at in transit, etc.	to other Governmental agencies
10.50	22,500	27,500	21,900	21,900	21,900	0
1	2,500	2,500	2,500	2,500	2,500	0
-	2,500	-	1,000	1,000	1,000	0
10.50	22,500	27,500	21,900	21,900	21,900	0
1	2,500	2,500	2,500	2,500	2,500	0
-	2,500	-	1,000	1,000	1,000	0
10.50	22,500	27,500	21,900	21,900	21,900	0

the receipts from the sale of electricity _____ (19__)
 in amount (19__) \$ 11.00

dictated by K. W. H.

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

Yellowstone

National Park for the Month of

February, 1938

	This Month	This Month Last Year	Increase	Percent Increase
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LOCAL BUSINESS

Miles of circuit maintained,	604	600	4	.66
No. of telephones connected,	279	253	26	10
No. of measured service calls,				
No. of other local calls,				
Total No. of local calls,				
Peak load in calls per day,				

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

TOTAL RECEIPTS

LONG DISTANCE BUSINESS

No. Outbound calls,
 No. Inbound calls,

TOTAL LONG DISTANCE CALLS

Peak load in calls per day,
 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--

DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Yellowstone National Park

Monthly Report of
Minor Roads and Trails Projects

(Area)

As of February 28, 1938
(Date)

Total Mileage for Area:
Minor Roads _____ Miles
Trails _____ Miles

Proj. No.	Description of Project	Type of Work	Mile-	% Com-	Appropri-	Amount	Amount	Remarks
			age of Proj.	plete	tion Symbol	Allotted	Expended	
		No Minor Roads & Trails Projects active.						



MONTHLY METEOROLOGICAL SUMMARY

ON YELLOWSTONE PARK, WYO.

MONTH ^{Feb.} JANUARY, 1938.

Table with columns: TEMPERATURE, °F. (Maximum, Minimum, Mean, Normal mean); RELATIVE HUMIDITY (Percentage) (A. M., Local noon, P. M.); PRECIPITATION (Total, Snowfall, P. m. to p. m., (unmelted), Prevailing direction); WIND (Highest velocity, Direction); WEATHER (Percentage of possible sunshine, Character of day, Date, River stage (feet)).

5 a. m. and p. m. 105th meridian time. T indicates a trace of precipitation. Sunrise to sunset. Total. Monthly.

SUMMARY

BAROMETRIC PRESSURE: Daily mean 30.15, greatest 30.66, least 29.49, date 12. TEMPERATURE: Greatest 51, date 27, least -14, date 16. Precipitation: Greatest amount in 24 hours .16, date 1-2.

WIND: Prevailing direction SW, average hourly velocity 8.7. Highest wind velocity this month since 1904 41 miles from NW, on 12, in 1923. WEATHER: Number of days clear 5, partly cloudy 8, cloudy 15 with measurable precipitation (0.01 inch, or more) 14. MISCELLANEOUS PHENOMENA—DATES OF: Hail 0, Halos, solar 16, 22; halos, lunar 13, 13.

MEAN TEMPERATURE AND TOTAL PRECIPITATION THIS MONTH IN— Table with columns for days 71-82 and corresponding temperature and precipitation values.

Charles L. Howard 3-1-38-78 Weather Bureau.

	normal	melting total	snowfall inches
Dec Excess 57	.77	1.34	14.4
Jan. +64	.77	1.41	20.1
Feb. +35	.61	.96	19.5
<hr/>	<hr/>	<hr/>	<hr/>
+1.56	2.15	3.71 inches	54.0

