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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Yellowstone NATIONAL PARK

FILE NO.

MONTHLY REPORT

for

DECEMBER

1940

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ARNO B. CAMMERER,
Director.



January 6, 1916

MEMORANDUM for the Director:

Following is the report of activities for Yellowstone National Park for the month of December, 1915:

000 - General

010 - December was noted for the large variation in weather conditions. Beginning on December 12, there was a "cold snap" during which the temperature at Mammoth went below zero every night for five consecutive nights. Temperatures went as low as 39 degrees below zero at West Yellowstone for the same period. In contrast to this cold weather, it was possible to play golf on December 21 and 22 at the golf course near Gardiner. There was very little precipitation during the month.

On December 17 it was necessary to send the park snowplow to L.A.C. to bring out the Yellowstone Park Company's Lake Lodge Winterkeeper, who was suddenly taken ill. The trip was made with little difficulty and the road remained passable until December 27, although no travel was permitted over it except official trips.

020 - General Weather Conditions

December, 1915, averaged 5.0° warmer than normal, but this was less than the year ago record that was the mildest on record. The last eight Decembers have all been above the long period average December temperature. Precipitation this December was considerably below normal; snowfall was 6.6 inches, compared to the normal 17.5 inches of snowfall. 4.2 inches of snow fell in one 24 hours on the 26 and 27th of December. There was less snow on the ground at Mammoth at Christmas this month than for any Christmas since 1913, only a trace and a few scattered drifts appearing.

The following snow depths were recorded at the close of the month.

	<u>1915</u>	<u>1916</u>	<u>1916</u>	
Snake River Station	11"	14"	11"	
Cascade Creek	22"	22"	64"	
Dechler River Station	37"	20"	14"	
Buffalo Lake	54"	36"	30"	(Dec. 17)
West Yellowstone	12"	0"	24"	
Madison Junction	12"	10"	20"	
Sportsman Lake	36"	-	17"	(Dec. 16)
Tower Falls Station	7"	0"	9"	
Lewis River Divide	64"	35"	-	
Harebell Creek	53"	24"	-	
Boundary Creek	37"	36"	30"	(Dec. 16)

	<u>1938</u>	<u>1939</u>	<u>1940</u>
South Riverside	55"	33"	30"
Gallatin	14"	8"	15"
Old Faithful	24"	11 1/2"	30"
Slough Creek	13"	11"	10"
Mammoth	1.8"	6.1"	3"

100 - Administration

110 - Superintendent's Special Activities

Mr. Rogers left the park by automobile on November 26 for a trip to Denver and the Regional Office at Omaha, Nebraska, and returned to the park December 4. On December 11 he attended a committee gathering at Gardiner, Montana, at which meeting Kodaslides were shown by Park Ranger Frank Nowski. Mr. Rogers left for Denver on December 17 on annual leave and expects to spend the balance of the month and part of January in Denver.

Assistant to the Superintendent Joffe received a two-month detail to the Washington Office to assist the Park Operators Division and left the park December 23.

120 - Park Inspections

George E. Morgan, Assistant Equipment Engineer, Omaha, Neb., in North December 9.

F. H. Sessolevrie and C. H. Collock, Postal Inspectors, in North December 9.

150 - Maps, Plans and Surveys

Drawings were started on the utility plan of the lake cabin area. The new cabin area for Mammoth was staked for grading, and the new employee's cottage staked. Data was compiled for revision to the 1941 Master Plan.

160 - General Publicity

Several press releases with regard to road conditions and errors were sent out during the month.

Considerable work was done on the preparation of articles for information booklets on the Big Hole Battlefield National Monument and the Custer Battlefield National Cemetery. These articles will be submitted early next January.

200 - Maintenance, New Construction and Improvement

210 - Maintenance

Several snowplow trips were made to roads at the Northeast Entrance.

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Numerous rock slides were removed in the Park near Silver Lake and sanding of the Yellowstone River and North Entrance roads attended to.

230 - Special Improvement Activities

CCC - Camp NF-1, Mammoth, and NF-7, Soda Creek, were the only two camps in Yellowstone Park during December. At the beginning of the month NF-1 had a company strength of 120 men and NF-7 had 171. On December 1, 67 men from NF-1 and 53 men from NF-7 were sent home as the terms of their enrollments had expired.

Two jobs were reported completed during the month. Job 124, which covered the obliteration of the old water supply reservoir near the old Mammoth Lodge, and Job 412, Woodcock Cottages, were finished. Eight new cottages were constructed under this job, 2 of them 3-room buildings and 6 of them 5-room buildings. Although this job was set up for 20 cottages, it was decided to cancel the job and set up a new job for each additional building constructed.

On December 14, a working quarantine was placed on both camps and one case of mumps was reported. During the remainder of the month 11 more cases appeared.

300 - Activities of Other Agencies in the Park

310 - Park Operators

The 1941 proposed rates for Haynes, Inc., and W. H. Winson were submitted to the Director during December.

320 - Cooperating Governmental Agencies

Public Roads Administration: Peter Bisset from Oregon completed the last bridge on the last approach road and closed them for the season.

The Public Roads Administration dug five test pits for foundation investigation at the Yellowstone River on the Northwest Entrance road.

400 - Interpretation

421 - Progress of Exhibit Plans and Projects

Work is being done on plans for the renovation and revision of case exhibits in the Mammoth Museum, with special attention in the Fungus Case in the Biology Room and the Early History Cases in the History and Ethnology Room.

The preparation of a prospectus on the proposed new headquarters museum was completed during December and submitted on December 27 for review and discussion to the Region II and Washington Offices.

430 - Research and Observation

Assistant Park Naturalist Gunden has made some progress on a report

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on the status of the Transverse Range in Yellowstone and had the opportunity to observe these birds at the Lake Lodge on December 13th and at that time counted only 33 birds.

Of pronounced interest is the fact that since summer the hot spring activity in the Blue Spring area on the Transverse Terrace has shifted east, the head toward the front of the terrace and at present there is a large volume of water flowing down over the front of the Jupiter Terrace. This is the first time water has flowed this area for several years.

438 - Ecology

Buffalo - During the month buffalo continued to migrate from the higher elevations in the Lamar and Yellowstone River valleys. Over 100 to 200 animals were observed in low elevations from the hillsides and slope areas, as well as along the lower valley where the buffalo normally congregate in winter. Between 500 and 700 animals were on the winter range at the close of the month. Plans are being made to corral 500 or 700 buffalo at the range about the middle of January for reduction of the Lamar Valley herd. The animals will be taken from the corrals, if possible, with the use of traps instead of the former roundup by means of horse riders.

Elk - Heavy concentration of elk occurred all along the northern winter range and at the close of the month the deer-counter and rangers had reached beyond Hellroaring Creek into the eastern section of the Bottomwood Creek area. Some 4,000 animals are now in this vicinity, from which the normal route of further migration leads into open hunting territory in Montana. Approximately 200 elk are now in the Gardiner area. The several snowstorms which occurred during December tended to further concentrate the elk in the park but these storms were not severe enough to force migration beyond the park boundaries. Remaining conditions continued unfavorable in the Gardiner-Jardine section and a total of only 24 animals had been taken by hunters at the close of the month, as compared with a total of 21 for the same period in 1935.

Trapping Operations - In the early part of the month an attempt near the close of the period, intensive effort was made to trap elk for live shipments at the Blacktail Deer Creek trap. There were no elk in the vicinity of any of the other three traps. In the Blacktail area snow conditions were more severe than at the lower altitudes and 60 to 70% elk foraged in this vicinity throughout the month. Due to abundance of available forage, however, the animals showed no inclination to seek the hay in the trapping corral and all efforts toward capture of the animals were unsuccessful. Deerskins were being received for about 70 live animals and further efforts will be continued in January to capture elk for these shipments.

500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
58 CHEMISTRY BUILDING
CHICAGO, ILLINOIS 60637

TO: [Name]
FROM: [Name]
SUBJECT: [Subject]

[Faded text block]

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[Faded text block]

Very truly yours,
[Signature]

[Name]
[Title]

A marked decrease in travel as compared with last year was recorded. 1930 was abnormally warm and little snow fell until the end of the month so that travel was possible over many roads normally closed by snow in December.

December, 1930
Travel by Rates.

ENTRANCE	1st Entry		Re-entry		Motorcycle		Other Trans.		TOTAL	
	Cars	Pass.	Cars	Pass.	No.	Pass.	No.	People	Vehicles	Pass
North	22	276	170	395	0	0	0	0	292	671
West	0	0	0	0	0	0	0	0	0	0
South	0	0	0	0	0	0	0	0	0	0
Northeast	0	0	107	264	0	0	0	0	107	264
East	0	0	0	0	0	0	0	0	0	0
TOTALS	22	276	306	659	0	0	0	0	399	935

600 - Protection

610 - Ranger Service

The open hunting season on all of the Gardner-Jackson-Beaver Creek areas for the entire month and in the Beaulieu River area for the first ten days of the month required regular boundary patrols. 500 patrols were also made over other sections for protection purposes, to take snow depths and to observe wildlife conditions.

Special headquarters work consisted of the preparation of a truck drivers' examination for CCC enrollees covering National Park Service Rules and Regulations, safety, first aid, and automobile mechanics, preparation of a mileage and truck travel time table for fire dispatching use, revision of the Park Ranger's Administrative Manual, Report Manual and Entrance Station Manual and the compilation of reports in protection department records.

900 - Miscellaneous

The regular monthly meeting of the Federal employees union was held December 2. Colored pictures were shown at this meeting by Bob Heller and Park Ranger Frank Kovski.

Herritt H. Grant, Clerk-Stenographer assigned to the Park Engineers' Office, resigned to take a position with the State Department, Foreign Service, effective December 16, 1930.

A surprise party was given in honor of Mr. and Mrs. Arnold Geist and Mr. and Mrs. Robert Gillis at the residence of the former on December 17. Many local people attended and a good time was had by all.

On December 18 a son was born to Miss Edith and Mrs. Carl P.

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
5301 SOUTH CAMPUS DRIVE
CHICAGO, ILLINOIS 60637

EXPERIMENTAL PROCEDURE

Sample	Weight (g)	Volume (ml)	Concentration (M)
1	0.1000	10.00	0.0100
2	0.2000	20.00	0.0100
3	0.3000	30.00	0.0100
4	0.4000	40.00	0.0100
5	0.5000	50.00	0.0100

CHICAGO - ILL.

UNIVERSITY OF CHICAGO

The following procedure is used for the determination of the concentration of a solution of a substance in a liquid medium. The substance is weighed accurately and dissolved in a known volume of liquid. The concentration is then calculated from the weight and volume.

The weight of the substance is measured to four decimal places using a balance. The volume of the liquid is measured to two decimal places using a graduated cylinder. The concentration is calculated by dividing the weight by the volume.

CHICAGO - ILL.

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Roehstrasser at the Park Hospital, Livingston, New York.

A Christmas Program was held the evening of December 8 in the park chapel. The school children of the park participated in the program and Santa Claus was prepared to reward their efforts with gifts.

On December 21 Postmaster Joe B. Wurtz advised the Superintendent's Office of his appointment as postmaster, which was effective September 15, 1940. Mr. Wurtz had previously failed to officially notify this office of his appointment.

An all-day holiday was enjoyed on December 25 by Executive Order.



Snowshoeing in shadow land - Wall on National Park

March 1911



Sunrise on Mammoth Hot Springs Terraces - Yellowstone National Park

1914

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Yellowstone

National Park for the month of

December, 1933

	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,	52	2,711	215	3,107	-306	-10.7
Cars reentry,	706	1,702	608	3,213	-1,351	-41.6
Motorcycles,						
Total motor vehicles,	<u>758</u>	<u>4,413</u>	<u>823</u>	<u>6,320</u>	<u>-1,747</u>	<u>-27.5</u>
Persons entering via motor vehicles,	1,970	12,770	2,111	17,000	-4,230	-24.5
Persons entering via other private transportation,	<u>1,970</u>	<u>12,770</u>	<u>2,111</u>	<u>17,000</u>	<u>-4,230</u>	<u>-24.5</u>
Total persons entering via private transportation,						
<u>OTHER TRANSPORTATION:</u>						
Persons entering via stages,						
Persons entering via trains,						
Persons entering otherwise,						
Total other transportation,	<u>1,970</u>	<u>12,770</u>	<u>2,111</u>	<u>17,000</u>	<u>-4,230</u>	<u>-24.5</u>
GRAND TOTAL ALL VISITORS,						

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month,
Campers in public camps during month,

YELLOWSTONE

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

National Park Service Form No. 1000

Date	To	From	Type of Vehicle	Number of Persons	Remarks

PRIVATE TRANSPORTATION

Persons entering via motor vehicles,

Persons entering via other private transportation,

Total persons entering via private transportation,

RAIL TRANSPORTATION

Persons entering via stages,

Persons entering via trains,

Persons entering otherwise,

AND TOTAL ALL VISITORS

Date: _____

Year: _____

omplies in public scope during month
pers in public scope during month

MONTHLY METEOROLOGICAL SUMMARY

YELLOWSTONE PARK, WYO.

DECEMBER, 1940

Table with columns: TEMPERATURE, °F. (Maximum, Minimum, Mean, Normal mean), RELATIVE HUMIDITY (A.M., Local noon, P.M.), PRECIPITATION (Total, Snowfall, Prevailing direction, Highest velocity), WIND (Direction, Velocity), WEATHER (Percentage of possible sunshine, Character of day), and date. Includes monthly totals at the bottom.

5:30 a. m. and p. m. 105th meridian time. T indicates a trace of precipitation. *Sunrise to sunset. †Total. ‡Monthly.

SUMMARY

BAROMETRIC PRESSURE: Monthly mean 30.19, highest 30.67, lowest 29.55. TEMPERATURE: Highest 47, lowest -11, average daily departure +5.0°. PRECIPITATION: Greatest amount in 24 hours 0.36, total degree days 1242.

WIND: Prevailing direction S, average hourly velocity 8.6. WEATHER: Number of days clear 7, partly cloudy 10, cloudy 14. MISCELLANEOUS PHENOMENA: Hail 15, Halos solar 15, Fog light, Frost light, Sleet, Thunderstorms.

MEAN TEMPERATURE AND TOTAL PRECIPITATION THIS MONTH IN—

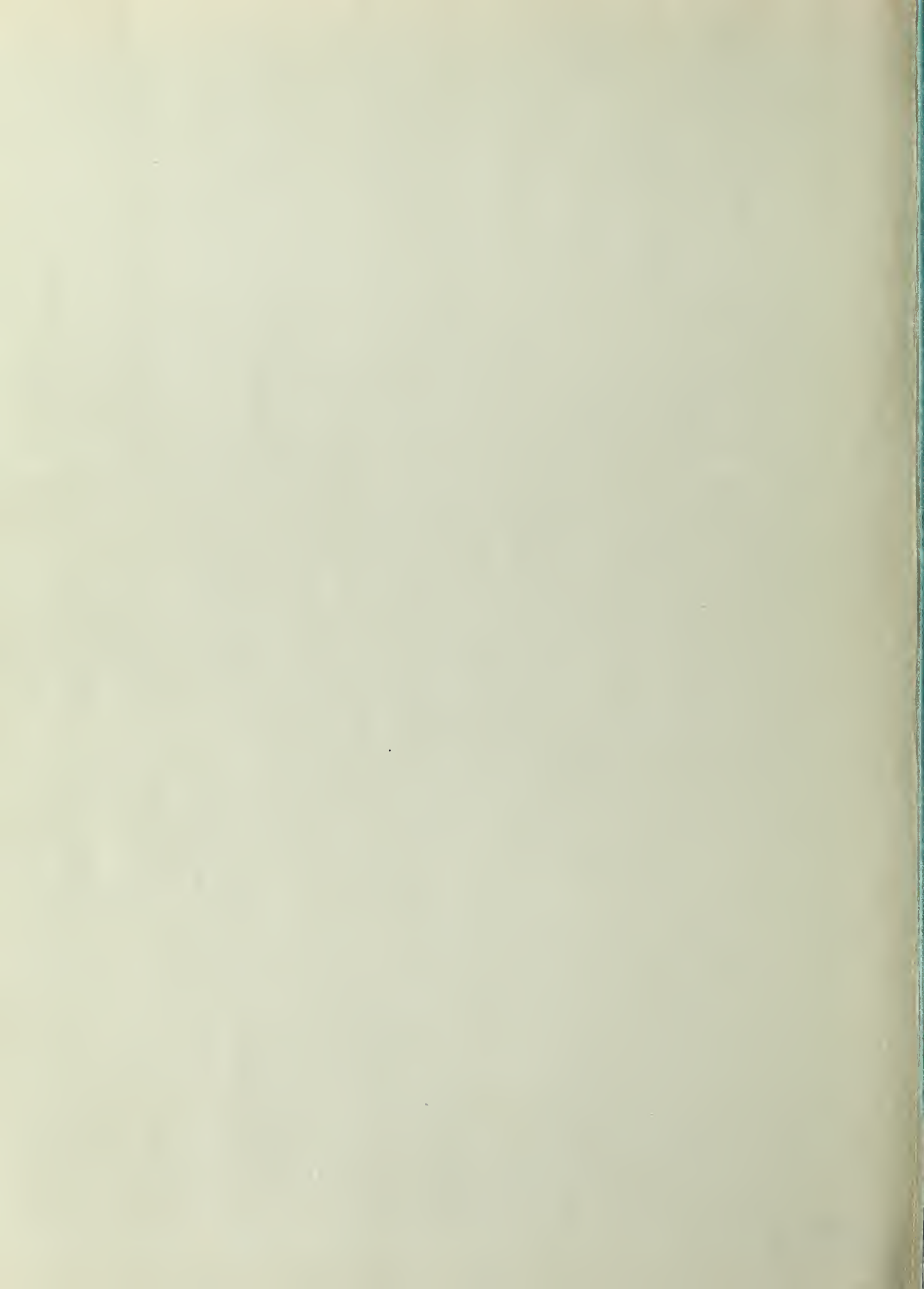
Table showing mean temperature and total precipitation for each day of the month (1-31).

Charles L. Howard
75-1-2-41

Weather Bureau.

Handwritten marks or signature in the bottom right corner.





Bound by Dieter 10



