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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
(Signature)
Yellowstone NATIONAL PARK

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FILE NO. 4743

MONTHLY REPORT
MARCH, 1934

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HORACE M. ALBRIGHT,
Director



DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
YELLOWSTONE NATIONAL PARK
YELLOWSTONE PARK, WYO.

OFFICE OF THE SUPERINTENDENT

April 6, 1934

The Director
National Park Service
Washington, D.C.

Dear Mr. Director:

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

000 - General

The extremely mild weather which has characterized the entire winter in the park was in evidence throughout the month of March and there were very few bad days. At no time during the month was the weather severe and the only snow storms were of short duration and the snow did not remain on the ground for any appreciable length of time. This fine condition was a boon to the O.P.I. employees as no time was lost during the month by these men because of bad weather. There have been few years in the history of the park when any of the roads in the interior thereof were passable in March. The Tower Falls road and the road from Mammoth to Old Faithful and East Yellowstone were both transversible by the end of the month. The snow plow was used in opening up parts of the roads from Mammoth to Tower Falls and from Mammoth to Madison Junction. As early as March 20, a truck was driven from Old Faithful to East Yellowstone. It was not necessary to open this section of road with the snowplow.

020 - General Weather Conditions.

A summary of the general weather conditions during the month will be found at the back of this report.

021 - In the Park

Mild spring-like weather prevailed throughout the entire month. Many warm days with chinook winds melted the snow rapidly.

The Mammoth-Old Butte road was open all month. Our snowplow opened the old Tower Falls road from Blacktail to the rechristified area on March 7. The road from Mammoth to Obsidian Cliff was opened on the 17th, and by the end of the month all of the roads between Mammoth and Madison Junction had been opened with the plow.

ЯВЛЯЮЩИЕСЯ ВОДЫ ПРИЧАСТИЯ

30122020 SPANISH DICTIONARY

СТАВЛЯЕМСЯ ИЗМЕНЕНИЕМ

ALLEGED ABSENCE OF THE LAUREATE

The road from Old Faithful to West Yellowstone was opened by the hotel winter keeper at Old Faithful by truck on March 27.

The following table discloses in inches the snow depths over the park for the past eight years. Without exception this year is lower than any of the previous years.

Location	1927	1928	1929	1930	1931	1932	1933	1934
Buffalo Ranch	15	20	15	12	10	12	20	0
Cub Creek	1	70	1	1	10	72	41	1
Canyon	47	46	36	41	72	50	14	1
Cooke Station	52	82	96	76	61	66	50	50
Cold Creek	1	1	42	1	1	22	16	1
Upper Slough Creek	36	58	24	10	1	40	36	1
Lower Slough Creek	60	50	30	10	1	1	64	1
Lower Falls	18	13	14	1	1	15	30	0
Hallcaring	10	4	10	2	1	17	10	0
Loda Butte	80	16	16	17	32	20	51	0
Thorofare	26	59	39	48	1	30	44	2
Miller Creek	1	1	1	1	1	22	10	1
Upper Miller Creek	1	1	1	1	1	1	45	1
Lake Station	44	42	36	24	10	38	12	1
Linbin Creek	1	1	1	1	1	1	49	17
Park Point	1	1	1	1	1	1	48	18
Cache Creek	1	76	54	1	1	1	54	16
Crystal Springs	72	49	1	1	1	1	41	10
Old Faithful	48	32	20	30	12	56	46	10
Pontain	1	1	1	1	12	27	54	8
Madison Junction	1	1	1	1	1	17	34	8
Riverside	46	46	10	10	1	47	41	12
Morris	34	27	10	37	17	13	40	18
Grayling Creek	1	36	10	1	1	18	40	14
Two Ocean Plateau	1	81	1	1	1	110	20	20
Snake River	72	70	67	56	40	78	59	24
Snake River - 7 mile post	1	120	82	1	1	83	106	61
Fox Creek	1	69	1	1	1	1	79	34
Aster Creek	1	84	69	1	1	1	92	40
Techler River	40	62	34	45	43	30	59	16
Cascade Creek	1	126	94	1	1	1	92	41
Boundary Creek	1	1	1	1	1	1	70	17
South Riverside	1	84	60	1	1	1	72	42
Callatin Station	26	51	21	40	32	40	36	15
Sylvan Pass Ranger Station	43	47	30	35	12	36	45	14
Elvian Pass	1	1	1	1	1	1	50	25

022 - Approaches to the Park

The Gardiner-Livingston road remained open all month, and is in excellent condition. The road from Cody to Jackson is open. All of the Jackson Hole roads are closed. The West Yellowstone - Miss road, which was opened on February 12, has remained passable over 3 key miles. The West

10.42 In the event of damage to your vehicle from an uninsured individual, you will be responsible for the deductible amount, plus the cost of repairing the damage.

Yellowstone-Ashton road was opened by the Idaho State Road Commission on March 21. The Bozeman-East Yellowstone road, which was opened from Bozeman to the Gallatin Ranger station at the end of last month, was opened by the Montana State Highway Department to West Yellowstone on March 21.

The Union Pacific Railway's snowplow arrived at West Yellowstone from Ashton on March 8. Another train arrived in West Yellowstone on March 22.

023 - In Nearby States

The same mild weather conditions which have prevailed in Yellowstone Park have also been reported in surrounding states.

The following paragraph was taken from the monthly section of climatological data issued by the U. S. Department of Agriculture:

"Precipitation over the principal watersheds of Wyoming for the period from September 1, 1933, to January 1, 1934, averaged 55 per cent of normal, and was distributed over the drainage basins as follows: Bear River, 40 per cent of normal; Belle Fourche River 51 per cent; Green River, 67 per cent; North Platte River, 52 per cent; Snake River, 42 per cent; Tongue and Powder Rivers, 74 per cent; and Yellowstone River 68 per cent. The shortage of precipitation was rendered still more serious due to the unusually warm weather."

100 - Administration

110 - Status of Work

Superintendent Toll spent the month in Denver and on the West Coast in connection with the inspection of proposed works and monuments.

Assistant to the Superintendent Joffe returned from Washington on March 4, where he had been assigned to special work in connection with the preparation of a Report Manual for the Service.

An examination for the position of Clerk was announced by the District Civil Service Office, the closing date for the filing of applications for which was April 6, 1934. The examination was announced to establish a register from which selection will be made to fill the catchment vacancy created by the retirement because of disability of William J. O'Loughlin.

The 1933 Interior Department appropriation bill received the approval of the President on March 2. This bill provided for the restoration of the name "National Park Service" in lieu of the name which the Service received last August, that of "Office of National Parks, Buildings, and Reservations." This restoration of the old name was extremely welcome to the Park Service officials and employees.

in accordance with their wishes, or because their laws and the circumstances
of their lives demand it, they will do what they can to further the cause of
the slaves.

120 - Park Inspector by:

121 - Acting Superintendent

In addition to my duties at the park in connection with Civil Works and other park matters I made several trips to outside points on government business.

On March 1 I drove to Livingston and met Junior Landscape Architect Frank Matteson who was coming to the park in connection with Civil Works projects. Mr. Matteson left on March 9. On March 4 I drove to Livingston and met Assistant to the Superintendent Joffe who was just returning to the park after a three months stay in Washington D. C. on government business. On March 6 I again drove to Livingston to confer with the Park County administrator in regard to Civil Works matters. On the evening of March 12 Mr. Joffe, Mr. Lord and I attended a chamber of commerce dinner at Livingston, in honor of one of the visiting Great Northern officials. We all had short talks.

On the evening of the 1st I drove to Livingston in company with several other Legion members and attended the monthly meeting of the Livingston Post of the American Legion, returning to Mammoth that same evening. On the evening of the 22nd the three Mammoth fire fighters, and other park employees, including myself, drove to Livingston and attended the weekly fire drill of the Livingston fire department. Considerable good instruction was gained, which will be very valuable to us in our bi-monthly drills, which we are also putting on. We returned to Mammoth that same evening. In return for our trip to Livingston four of the Livingston fire department drove to Mammoth on the 24th and we showed them our fire and other equipment, also other points of interest at Mammoth, all of which interested them very much.

On the 26th I drove to Livingston, attended the weekly noon luncheon of the Livingston Rotary Club, then drove to Helena, to confer with the State Relief Administrator in regard to the new employment program which is to replace the Civil Works program. I arrived there that evening. I stayed over until the next day and drove back to Mammoth that evening.

On the 28th Mr. Joffe and I drove to Livingston to attend the chamber of commerce banquet in honor of visiting stockmen. Mr. Joffe showed two reels of motion pictures which were very well received. We returned to Mammoth that evening.

123 - National Park Service Officers

Frank Matteson, Junior Landscape Architect, from the New Orleans office arrived via the north gate on March 1. He left on the 9th.

125 - Other Governmental Officers

Mr. G. L. Jehle, Major, National Relief Bureau for Park County,

Montana arrived via the north gate on March 6 to discuss the matter. He left the same day.

Mr. L. J. Sawyer, engineer for the Geological Survey, Miss., Idaho, arrived via the north gate on March 13 to take stream measurements in the park.

Mr. William H. Bush of the US Forest Service and William Julian of the Tick Experiment Station, Hamilton, Minn., arrived via the north gate on March 16 and departed on the 18th. These men were making scientific investigations in connection with tick infestations in the park and collected a number of tick specimens to be sent to the tick laboratory at Hamilton.

127 - Other Agencies

Dr. W. J. Butler, Montana State Veterinarian and Dr. Middlebrook of the Montana Veterinary Experiment Station, arrived via the north gate on March 6. Drs. Butler and Varsh engaged in the collection of blood samples from elk at the lower Flounders Creek Ranch.

140 - Labor situation

There has been little noticeable change in the employment situation. The gradual release of CCC men has placed most of these men back on the pre-employment lists. The men are eagerly awaiting the beginning of work on PWA projects. This will offer considerable employment for persons residing in the immediate vicinity of the park. Numerous applications for employment have been coming into the headquarters office from all parts of the country but it has been impossible to offer such employment with regard to employment because of the fact that the decreased regular appropriations will prohibit the employment of many new employees and the employees for the projects under the emergency appropriations will have to be retained from the political subdivision in which the work is to be done, which in the case of this park, limits the employment almost entirely to Park County, Montana and Park County, Wyoming.

150 - Equipment and Supplies

Two carloads of lump coal and one carload each of bridge plank and lumber were received as well as shipments of high test gasoline, petroleum, groceries, hardware, wrapping paper and office supplies. Activities were largely confined to inventory work and issuing supplies and equipment to CCC and PWA projects.

160 - Status of alienated lands

No change in the status of alienated lands was noted during the month.

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170 - Plans, Maps and Surveys

All engineering activities were in connection with civil work projects, divided about equally between field surveys and sketches and statistical data for final reports of the CWA program. The personnel was reduced by one rodman and one timekeeper during the month.

180 - Circulars, Placards, Publicity Bulletins, etc.

No circulars or Nature Notes were issued during the month. Several news items were released to papers in Livingston and Cody and a number of pictures were distributed for publicity purposes. Mr. Coffe showed several reels of his motion pictures before the Park Test of the American Legion on the 21st and at a meeting of the Livingston Chamber of Commerce and Stockmen on the 29th.

Sixty three automobile windshield stickers for 1934 were received on the 18th.

200 - Maintenance, Improvements, and New Construction

210 - Road Maintenance

Snow removal was started on March 23 with the opening of the Mammoth-Tower Junction section. The full snow crew was organized and started out on March 26 and at the end of the month had cleared the section between Mammoth and Madison Junction and four miles of the Currie-Canyon section. As a matter of comparison it might be stated that 18 days was required to open the same mileage last season.

220 - Improvements

Carpenter shop. Besides the usual maintenance and minor repair work two small cabinets were made for the museum and oak floors laid in the postmaster's quarters.

Painting department. Work consisted entirely of repair and maintenance.

Electrical Department. The new quarters at the Game Ranch were wired complete for future lighting (CWA sect. 13). Changes made in wiring and additional outlets installed, in the postmaster's quarters. The usual maintenance and repair work was also carried on.

shops. Eleven trucks, two passenger cars, one motor patrol and the snowgo snowplow were over hauled during the month, besides usual maintenance of equipment in operation.

Plumbing Department. In addition to the regular maintenance of plumbing, the master plumber also supervised CWA projects nos. 1 and 8 (Mammoth

water Main and museum basement) and WP project No. 349, Fire Prevention, and 346, Apartment Building.

250 - New Construction

Six Civil Works projects were active during the month, divided three each for the states of Montana and Wyoming. Public Works project 349 (Fire Prevention) was active throughout the month.

On March 3, bids were received for the grading of Sec. 1--2, Yellow-stone Cascades to Canyon. Award was recommended and made to the low bidder, Stevens Brothers, at \$20,056.90. The award was made on March 13.

On the same day bids were received for the grading of Sec. 4--2, South Entrance to Lewis Lake. Award was recommended and made to the low bidder, Olof Nelson, at \$205,618.50. The award was made on March 13.

On March 16, bids were received for the slide removal work at Over-hanging Cliff. Award was recommended and made to W. J. Roves and Sons Company, the low bidder, at a price of \$1,455.00.

Contract Construction. Work on the Golden Gate section was continued by the contractor with some additional equipment installed. The contractor for the slide rock removal at Over-hanging Cliff near Lever Falls was assembling equipment during the last week of the month preparatory to starting work early in April.

300 - Activities of Other Agencies in the Park

310 - Public Service Contractors

The general store at Mammoth was open during the entire month. This was the only utility operating.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service.

Chief Ranger Bagley was out on the elk count on March 14, 15 and 16, and also made two trips to the trail camp on the Yellowstone River. He drove to Bozeman on March 20, returning to headquarters the same day. The balance of the month he spent on his regular duties including about two weeks on LC matters.

Assistant Chief Ranger Miller returned from annual leave on March 19. The balance of the month was spent on herd branding of all government horses, and revising the descriptive cards. He also spent a few days revising the ranger manual.

Assistant Chief Ranger Johnston was furloughed, effective March 1, and is now on C work in Washington.

Assistant Chief Ranger Iaffue remained in Colterbluff on his special assignment with the C.I.A.

Park Ranger Triachan was on supervisory work with the C.I.A. all month.

Chief Buffalo Keeper Neuglas and Park Ranger Brown were in Mammoth repairing the riding and pack saddles. Mr. Neuglas took sick the 11th of March and was taken to the hospital in Livingston on the 12th, where he was greatly improved at the end of the month.

420 - Museum Service

The Park Naturalist and Assistant Park Naturalist gave lectures to the C.I.A. employees three Monday evenings during the month. Ranger-naturalists Wagner, Hutchins, Oberholser, Smith, Condon and Nystrup reported giving lectures on the Yellowstone and clippings were received from newspapers regarding these lectures.

Two museum cases were ordered and a copper plate received for the panorama exhibit on Swan Lake flat. Work was done on the preparation of the Firehole Canyon exhibit, the geologic column section, core drill exhibit for Old Faithful museum.

460 - Birds

Waterfowl have shown an increase over the park during the past month. Larger numbers of ducks and geese are being reported. Counts of swans for the month as made by Park Ranger Elliott at the Lake Tower station are as follows:

March 14	68	trumpeter swans on Yellowstone River
" 17	51	" " "
" 18	69	" " "
" 20	68	" and 21 whistler geese on Yellowstone River

The two trumpeter swans, which have been nesting on Trumpeter Lake near Tower Falls the past few years, have returned and have been seen several times during the month on various bodies of water in the vicinity.

Killdeer have been seen on the warm formations at east Thumb all winter.

Bluebirds were reported at Tower Falls on March 10 and at east Yellowstone on March 20.

After the middle of the month the regular spring birds began coming. Meadow lark was seen at Tower Falls on March 23, and a robin on the 27th.

460 - Animals

All game animals are in good condition and due to the mild weather very few losses of animals were noted.

Government of Ontario and Ontario Hydro issued their joint statement
on the OPA's proposed legislation.

Opposition to the proposed legislation has been growing since the
beginning of the year. In addition to the Ontario government's opposition,
the Ontario Association of Municipalities, the Ontario Chamber of Commerce
and the Ontario Federation of Labour have all expressed opposition to the bill.

The proposed legislation would give Ontario Hydro the power to
cancel or amend existing contracts with municipalities and other
public bodies. The Ontario government has argued that the proposed
legislation will give Ontario Hydro the ability to negotiate better
terms for the future.

But the Ontario government has also argued that the proposed legislation
will not harm existing contracts, as long as they are "fair and reasonable".
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amend existing contracts with municipalities and other public bodies.

Elk. Due to the lack of snow, and excellent forage conditions, the elk are well scattered. Only 17 tons of hay were fed at Slough Creek through the first 16 days of March. Counts of animals are extremely hard to make. On March 21 and 22 the Forest Service and Park Service attempted to count the Gallatin elk herd, but with no success.

The northern elk herd was counted on March 14, 15 and 16. The location and counts secured are as follows:

Soda Butte to Pebble Creek	34
Soda " " Cache "	561
Cache Creek " Gold "	16
Soda Butte to Buffalo Ranch	327
Buffalo Ranch to Slough Creek, north of Lower River	1620
Buffalo Ranch to Tower falls, south of Lower River	1352
Slough Creek Valley	198
Antelope and Tower Creeks	140
Mount Ashburn	7
Slough Creek to Hellroaring	2453
Hellroaring to end including Crevice	201
Tower Falls to end including Blacktail above road	938
Tower Falls to Blacktail above road	475
Mount Averte	453
Upper Gardiner	94
Little quadrant Mt	121
Zepulcher Mountain	361
Mammoth and vicinity	121
Yellow Creek	205
Outside of park (north side) count by U.S.A.	380
Willow Park to Morris	11
Morris	27
Mountains to Old Faithful	120
West Yellowstone	270
Bechler River	150
Therefore	12
	10, 647

Deer. The deer are well scattered over the outer limits of the winter game range. A count at Gardiner, Mammoth, and Mt. Averte disclosed 363 of these animals. All are noted to be in good condition.

Sheep. Ten large rams, 15 ewes, and 10 lambs are to be seen daily near Tower falls. All are apparently in excellent condition, except one ewe and one lamb, probably afflicted with mild cases of scabies. During the elk count 125 sheep were counted as follows:

Tower Falls and Hellroaring	56
Gardiner and Mt. Averte	67
Golden Gate	8

Moose. Nothing of interest to report, except that two of these animals were seen between Mammoth and Tower falls.

Antelope. At Gardiner and the Game Ranch 321 antelope were counted in connection with the elk count. Also 126 were counted on T.verts and in the vicinity of Mammoth. Seven antelope were seen at the Lough Creek mail box on March 10, which is considerably earlier than usual for these animals to be in that vicinity.

Buffalo. No feeding is being carried on at the Buffalo Ranch, and very few animals are in that immediate vicinity. A few hundred are on Specimen Ridge, and in the lower Lamar Valley. All are said to be in excellent condition.

Smaller animals. Tracks of marten, rabbit, Lynx, and coyote were seen all over the park. A woodchuck was seen out of hibernation at Old Faithful on March 8.

Park activities. Chief Buffalo keeper Douglas was assigned to Mammoth to repair the riding and pack saddles. Feeding was discontinued at Lough Creek on March 18. Cleaning up and odd repair job are being carried on at the Buffalo Ranch. Wooden flumes and head gates are being installed in the ditches on the new addition to the park west of Gardiner.

Bear (black). One black bear was seen at the Tenay Ranch on March 1.

Bear (grizzly). Tracks of one grizzly bear were seen near Mountaineer cabin on March 12. A grizzly bear wrecked the interior of the Fern Lake snowshoe cabin the latter part of the month, tearing off the window shutters.

480 - Natural Phenomena

Mammoth

Angel Terrace. The flow over the main portion is about the same as last month. The new activity to the south has decreased greatly, while to the north it has increased. A new small spring has started on top of the formation.

Blue Spring. On the 26th the volume of water diminished less than half and several large basins were dry until the 18th.

Cleopatra Spring shows no noticeable change from last month.

White Elephant Rock Terrace. No change.

Jupiter Spring. The increased flow of last month still continues with noticeable deposition of travertine over a wide area. The basins and algae coloring are the most beautiful of any time during the last two years.

Main Terrace. Water is flowing from the formation in two places.

Neon Spring is the same as last month.

Nervous Spring shows very little activity.

and it is not clear from either of these two sources whether the
various different models have been evaluated.

Some authors emphasize the degree to which the predictions of a particular
model are in agreement with the data, while others emphasize the disagreement
between the various models. In general, the predictions of the various models
are in better agreement with the data for higher values of β , while at lower values
of β the predictions are less consistent. The predictions of the various models
are consistent with each other, particularly at higher values of β .

It is interesting to note that the predictions of the various models
are in better agreement with the data at higher values of β . This is likely to
be due to the fact that at higher values of β the predictions of the various models
are more consistent with each other. The predictions of the various models
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REFERENCES

Abbreviations

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models have been evaluated.

New Spring between the Devil's Kitchen and Lavaants was now ceased flowing.

Orange Spring fund is the same as last month.

Cool Spring is decreasing.

Palette Spring continues strong covering a wide area on both sides of the Devil's Thumb.

Julpit Terrace. The overflow from Blue Springs is showing up just south of this formation.

A number of fine specimens were collected at Blue Springs while some of the pools were empty.

The park naturalist is cooperating with the engineering department in laying out a new paved walk from Liberty Gap to Harry's Terrace.

Morris Geyser Basin

Observations made by Park Naturalist Muer. The basin was visited on March 7. There appeared to be a very large number of small steam vents or fumaroles. Geyser Hill was especially active. Geyser Spring was clear and overflowing slightly. No geysers erupted during the 40 minutes spent in the basin. There was much snow on the North side of the mounds but due to the warm earth there was no snow in the basin itself nor on the road from the top of the hill southward for half a mile.

500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

Travel for the month consisted of 300 visitors traveling in 110 automobiles, all entering and leaving the park via the north gate. The travel for the same month last year consisted of 550 visitors traveling in 165 cars.

530 - Special Visitors

There were no special visitors during the month.

600 - Protection

620 - Fire Protection

Two fire drills were held in Mammoth during the last half of the month. A splendid turnout resulted at these drills, and much enthusiasm was displayed. It is planned to hold fire drills weekly until everyone becomes more familiar with the apparatus and equipment used in the suppression of building fires.

CWA Program

The CWA program continued throughout the month and because of the excellent weather no time was lost by the men engaged in these projects. The regular 11% reduction in the force was made each week during the month and by the end of the month there were 60 men still employed, 30 each from the states of Montana and Wyoming. The decision to continue the work in the park until May 1 will provide some employment for a few of the men and will relieve, to a small extent, the employment situation in Gardiner, Livingston and Cody. Practically all of the original projects undertaken were 100% completed by the end of the month. There is still some work to be done on the lift house and a great deal of work yet to be done on the Crevice trail.

CV

Plans for the operation of six camp have been made for Fall Riverstone. Practically all of the projects have been worked up. Advance data sheets have been prepared, and have been sent to the Director and War Department. Equipment and cost estimates have been prepared. Needed personnel for proper handling of CWA projects have been planned. The preparation of various CV plans required additional assistance and on March 28 Chester Johnson was recommended for appointment on the CV payroll. Arthur Jacobson was recommended for appointment on April 2. At the present time Mr. Johnson is working up a trail manual for use in CV camps, based on National Park Service standards and landscaping. Mr. Jacobson is working on visibility maps of the park.

Post Office. Business in the post office was approximately the same volume as it was for the month of March in 1933.

Church services. Services were held in the chapel on Sunday morning, March 4, by Rev. L. D. Smith.

Hospital and Medical. Dr. Ivan J. Schaff, resident physician had 182 office calls and made 87 home calls.

A regular meeting of the Federal Employees Union 468 was held in the canteen on March 5 and a special meeting was called for the 19th. Following the meeting of the 5th the male members of the local union produced a minstrel show which they called the "Liberty Minstrel." This was a decided hit with the audience of about 150 people. The show was followed by a dance and eats. Not to be outdone, the wives of the members and several of the single female members will provide an entertainment at the next meeting, April 2. They promise one far superior to the show put on by the men.

Mr. and Mrs. Hugh Short are the proud parents of a baby girl born in the Park Hospital, Livingston, on the 13th. Mr. Short has been engaged as a truck driver in the park for several seasons and also operates the snowplow in opening the park roads in the spring.

A number of our employees who are members of the Park Post of the American Legion attended the regular monthly meeting on March 21, at which meeting nominations were made for the ensuing year. Assistant to the Superintendent Joffe was nominated for commander, while Gilm Clark Gundley was nominated for the Third Vice Commander and a member of the Executive Committee. Acting Superintendent Jacobs was also nominated as a member of the executive committee. Election of officers will take place on April 18.

The park legionnaires have been able to maintain fine spirit of cooperation and friendship with the Livingston legionnaires through their attendance at the meetings and their activities in the Livingston organization.

The Mammoth Chess Club was entertained by the Livingston club in Livingston on the 24th. Kings, queens, knights and rooks rode across the chess boards until the wee small hours of the morning and when the final results were tabulated the Mammoth players came out victorious by a wide margin.

Mr. and Mrs. William J. Riley celebrated their golden wedding anniversary in the park on March 30. As far as our records show and from the stories of old-timers here, this is the first golden anniversary that has been celebrated in the park. Mr. Riley has been in the employ of the National Park Service since 1919 and at present is one of the operators at the government power plant. Several parties and surprise visits, by park people, were had for the Rileys on the occasion of their anniversary.

It has been interesting to note the enthusiasm which has resulted from the golf practice course which has been made at the old rifle range at Gardiner. Most every evening, while the weather has been good, some dozen or more of our employees have gone to the golf grounds after work and partaken of several holes of "cow pasture" golf. On Saturday afternoons and on Sundays there have been 20 or more of our people on the grounds. While the course itself could not be considered a golf course, nevertheless it offers an opportunity for outdoor recreation which many of our employees would not otherwise avail themselves of. It has been surprising to note how many of our people have purchased sets of golf clubs in order to engage in this game. Very few have ever played before. It is

and 200 miles to the southwest. It was still very dark when we left with the pack and horses. We could see no landmarks at all and were not even certain where the river was. The horses had gone half an hour before I heard a distant call from a coyote.

the question and how would the evidence point to it and what does that mean for more questions you can ask him. This requires the attorney to have a good understanding of the witness's credibility and the witness's ability to recall. All this information will help the attorney to know what to ask and what special attention to take when questioning the witness.

believed that a great deal of good will result to our people through the starting of this practice course and we hope that we will be permitted to improve it later on, with government funds, so that any of the disagreeable features of it will be eliminated. All of the work done on the course to date has been accomplished with funds collected from those who are participating in this new source of recreation.

Sincerely yours,

Guy J. Edwards,
Meeting Superintendent

and several hours now of silence after which the first sound comes from the
silence of the sea & the noise of the waves tell us what the weather is
like off to the east & we are able to distinguish the different sounds of
the waves & the wind. The wind is strong & the waves are high & the
water is very rough & turbulent. After all the present dangers have been
overcome we can now look forward to a safe return.

Very sincerely yours

John C. Frémont



ALADDIN IN BOSTON
Presented March 5, 1934, the cast of which was composed of members of
Federal Employees Union, Local No. 485.



MR. AND MRS. WILLIAM H. RILEY
who celebrated their Golden Wedding Anniversary on March 20, 1934.





Site of the new apartment house to be constructed at park headquarters at Mammoth Hot Springs. The building in the foreground will be moved to a new location.

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10-157
(July, 1929)

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

TRAVEL REPORT

Yellowstone

National Park for the Month of March 1934

	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,	110	2560	165	2125	435 20.5
Cars reentry,		82		89	-7 -8.5
Motorcycles,		3			3 30%
Total motor vehicles,	110	2645	165	2214	431 19.4
Persons entering via motor vehicles,	300	8321	550	7364	957 15.
Persons entering via other private transportation,					
Total persons entering via private transportation,	300	8321	550	7364	957 15.
<u>OTHER TRANSPORTATION:</u>					
Persons entering via stages,					
Persons entering via trains,					
Persons entering otherwise,					
Total other transportation,					
GRAND TOTAL ALL VISITORS,	300	8321	550	7364	957 15.

	This Year	Last Year	Increase
			Number Percent
<u>Automobiles in public camps during month,</u>			
Campers in public camps during month,			

AMERICAN DEPARTMENT OF STATE

781-81

NATIONAL PARK SERVICES

ТЯГАЧИ ДЛЯ ТРАВЫ

Nebraska State Map Series No. 10, Montezuma County, Colorado.

STATEMENT OF ASPIRATION

ХОДАТЯЩИЙ ВЪ ЕР

...dears in baptism some during Lenten days

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Yellowstone National Park for the Month of **March, 1934**

	This Year	Last Year
Park revenue on hand beginning of month,	- \$ 4.35	
Received,	\$65.10	31.65
Total,	\$65.10	\$ 36.00
Remitted,	65.10	36.00
On hand close of month,	-	
<hr/>		
Park revenues received this year to date,	\$128,803.02	
Park revenues received last year to date,	\$132,007.09	
Decrease,	\$ 3,204.07	
Per cent of de crease,	2.4272	
<hr/>		

DEPARTMENT OF THE INTERIOR

O-160

NATIONAL PARK SERVICE

REPORT OF PARK REVENUE

National Park for the Month of March, 1938

Year-to-date

	Last Year	This Year	
55.48	\$4,10	\$5,10	park revenue on hand beginning of month
51.88	10.00	10.00	Received
60.80	10.00	10.00	Lost
50.00	10.00	10.00	Written off
			park revenue on hand close of month
			Per cent of releases
			96.9%
			Per cent of collections
			96.9%
			Per cent of sales
			96.9%

10-159
May, 1931)

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF PERSONNEL

National Park for the Month of May, 1931

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
Number of employees beginning of month	76	10	75	11
Number of additions	3	11	1	1
Total	79	11	76	12
Number of separations	2	99.02	0	0
Number of employees close of month	76	11.98	73	12
Number of promotions during month	0	0	0	0
Leave				
Furlough				
Aggregate amount of annual leave taken	55	11	55	11
Aggregate amount of sick leave taken	49	11	49	11
Aggregate amount of leave without pay	11	11	13	13
Includes:	2 " Appointments	11	11	11
	1 " Separation	0	0	0
	8 " Employees	0	0	0
Days leave should have been for February	100	11	100	11

ПРИЧЕСКА

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

TENTATIVE BUDGET FOR THE FISCAL YEAR

APPROVED BY THE SECRETARY OF THE INTERIOR

ITEM	AMOUNT	ITEM	AMOUNT
1. Salaries	\$1,000	2. Expenses	\$1,000
3. Materials	\$1,000	4. Equipment	\$1,000
5. Miscellaneous	\$1,000	6. Total	\$4,000

ITEM	AMOUNT	ITEM	AMOUNT
1. Salaries	\$1,000	2. Expenses	\$1,000
3. Materials	\$1,000	4. Equipment	\$1,000
5. Miscellaneous	\$1,000	6. Total	\$4,000

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

National Park for the Month of

	This Month	This Month	Increase	Percent Increase
	This Month	Last Year		

LOCAL BUSINESS

iles of circuit maintained,	049	668	219	32%
o. of telephones connected,	222	297	75	25%
o. of measured service calls,				
o. of other local calls,				
Total No. of local calls,	172	1900	178	10%
Peak load in calls per day,	1	200	100	50%

Receipts from measured service calls.

" " coin boxes,				
" " telephone rental,				

TOTAL RECEIPTS

LONG DISTANCE BUSINESS

Outbound calls,	21	22	1	5%
Inbound calls,	22	22	0	0%

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-

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

National Park for the Month of

| Indoor |
|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | |

ALL BUSINESS

of telephone companies conducting
of messenger service calls
of older local calls
at No. of local calls
K Jogg in staff per day

able from measuring service calls
" coin boxes
" telephone rental

TOTAL RECEIPTS

ALL DISTANCE BUSINESS

Outbound calls
Incoming calls

TOTAL LONG DISTANCE CALLS

K Jogg in calls per day
able from Distance privilege

TELEGRAPH BUSINESS

Message via Wire Telegraph
Message via

TOTAL MESSAGES

able from telephone message
of telephone telegraph privilege
" " " recipient

ALL RECEIPTS TELEPHONE & TELEGRAPH DRAFTS

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Yellowstone National Park for the Month of May 1968

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date of Completion
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DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

National Park for the Month of

To Date	Type Month	First Month	Description of Project	Completion Date	Cost of Project	Cost of Project	Percent Complete	Percent Complete	Percent Complete
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UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

National Park for the Month of

	This Month	This Year To Date	This Month	Last Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
Current generated,	64,949	537,437	33,729	23,946	116,593	13
Sold to park operators,	100	32,445	700	25,732	-377	-107
Sold to others,						
Furnished to other Governmental agencies,						
Used by National Park Service, lost in transit, etc.	64,100	305,620	30,327	20,415	125,205	10
Total current generated.	64,949	537,437	33,729	23,946	116,593	13

Amount receivable from the sale of electricity, \$ 150,100

* Indicated by K. W. H.

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

GENERAL INFORMATION

REGULATIONS GOING INTO EFFECT

REGULATIONS	DATE	REGULATIONS	DATE
1. General	1933	2.01	1937
2. National Parks	1933	2.02	1937
3. National Monuments	1933	2.03	1937

REGULATIONS GOING INTO EFFECT

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

MARCH, 1934

Closing the warmest winter on record here, March temperatures averaged 35.5 degrees, or 7.0 degrees higher than February's, and 7.4 degrees higher than those of last March. The normal mean temperature for the month is 26.5 degrees. The average daily departure from normal, for March, 1934, is accordingly plus 9.3 degrees. This is a greater departure from normal than is shown by any other month of this record-breaking warm winter. While March exhibits a greater departure from normal than any recent month, and has the highest mean temperature for the month in the last 24 years (i.e., since 1910), it is not the warmest March on record. The mean for March, 1910, was 38.0 degrees. Two other Marches, slightly warmer than the one just past, were on record prior to 1910.

No zero temperatures were recorded during the month, the lowest reading of the thermometer being 8 degrees, on the 17th. On only one day, the 23d, did the temperature stay continuously below the freezing point. The highest point reached was 59, on the 14th. Twenty nine days were above normal, and two days below normal. As only four days were below normal temperature in January, and four in February, there have been but ten days below normal thus far this year. The daily departures from normal since the beginning of the year have totalled 817 degrees, an average of 9.1 degrees a day.

A total of only 0.10 inch of precipitation was received during the first 15 days of the month. This was .71 inch less than normal. The rest of the month produced an almost normal amount of rain and snow for the period. The total for the whole month was 0.96 inch, which was .72 inch less than the March normal. March last year had less, but in most years the March total is of course greater. The greatest amount in 24 consecutive hours was 0.38 inch, on the 28th-29th. We must go back in the records as far as March, 1889, to find the single March with less snowfall than this one. In that year the total for March was 1.8 inches; this year it was 3.9. The greatest March snowfall total on record, 31.2 inches, was in March, 1886, one year earlier than the low record. The total snowfall, to date, for the present season, is 48.4 inches. The exceptionally low seasonal total of 19.7 inches, in 1914-1915 is the only total snowfall lower than this season's total.

During the month there were 5 clear days, 11 partly cloudy, and 13 cloudy days. Precipitation amounting to .01 inch or more occurred on 12 days. Duration of bright sunshine was 58 per cent. of the possible time. The average wind velocity was 8.5 miles per hour, with a maximum at the rate of 25 miles per hour, from southwest, on the 2nd.

W. T. LATHROP, Meteorologist.



U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

MONTHLY METEOROLOGICAL SUMMARY.

Location, Yellowstone Park, Wyo.; month, March, 1934.

TEMPERATURE (Degrees Fahrenheit.)			Precipitation (In inches and hundredths.)	Character of day.	Possible Sunshine	Per cent.	ATMOSPHERIC PRESSURE (Reduced to sea level; inches and hundredths.)
Max.	Min.	Mean.					Mean 30.118; highest 30.67, date 9 lowest 29.50, date 16
43	29	33	.05	Cloudy	54	59	Highest 59, date 14; lowest 8, date 17
41	25	33	.04	Cloudy	32	59	Greatest daily range 59, date 14
39	21	30	T.	Cloudy	37	12	Least daily range 12, date 4
41	29	35	0	Pt. Cl'dy	75	1871 82 9324.2 0425.2 1530.4 2627.2	MEAN FOR THIS MONTH IN
43	27	35	.01	Cloudy	29	1872 83 9427.2 0532.3 1632.4 2726.7	1873 84 95... 0619.6 1713.8 2830.0
42	25	34	T.	Pt. Cl'dy	69	1874 85 9624.9 0729.6 1831.3 2928.2	1875 86 9719.5 0825.2 1922.2 3025.2
37	20	28	T.	Pt. Cl'dy	73	1876 87 36.0 0920.9 0928.0 2023.5 3127.0	1877 88 22.8 9923.0 1038.0 2130.0 3221.6
41	21	31	0	Cloudy	37	1878 89 36.1 0034.0 1151.9 2226.5 3328.4	1879 90 25.2 0127.2 1217.6 2321.8 3335.8
43	20	32	T.	Pt. Cl'dy	70	1880 91 22.2 0225.0 1322.3 2422.1 35	1881 92 27.9 0328.7 1430.5 2529.3 36
55	20	38	0	Clear	100	Normal for this month 26.5	Absolute maximum for this month for 48 years 62
53	27	40	0	Pt. Cl'dy	86	Absolute minimum for this month for 48 years -25	Average daily excess (+) or deficiency (-) of this month as compared with the normal +9.3
56	25	40	0	Clear	100	Accumulated excess (+) or deficiency (-) since January 1 +817	Average daily excess (+) or deficiency (-) since January 1 +9.1
49	27	38	0	Pt. Cl'dy	65	PRECIPITATION	Total this month 0.96; snowfall 3.9
59	33	43	0	Pt. Cl'dy	55	Greatest precipitation in 24 hours 0.38, date 28-29	Greatest 24-hour snowfall 1.4, date 16
56	35	46	0	Pt. Cl'dy	98	Snow on the ground at end of month 0	TOTAL PRECIPITATION THIS MONTH IN
47	12	30	.16	Cloudy	18	1871 82 930.96 042.93 151.05 20.56	1872 83 942.30 051.41 161.46 20.65
41	8	24	0	Clear	99	1873 84 952.72 061.55 171.99 21.60	1874 85 962.62 074.56 181.89 21.03
50	29	40	0	Cloudy	55	1875 86 971.06 081.39 191.00 30.10	1876 87 ... 981.40 090.77 201.95 30.80
57	31	44	0	Pt. Cl'dy	89	1877 88 ... 993.00 100.82 21.24 31.23	1878 89 0.53 003.13 110.95 210.36 30.54
52	34	43	.05	Cloudy	36	1879 90 4.92 011.46 123.57 231.00 30.96	1880 91 2.41 022.43 132.00 241.21 35
48	32	40	.01	Cloudy	29	1881 92 3.65 030.85 140.66 251.00 36	Normal for this month 1.68
38	23	30	.02	Pt. Cl'dy	59	Excess (+) or deficiency (-) of this month as compared with the normal -0.72	Accumulated excess (+) or deficiency (-) since January 1 -2.73
31	14	22	T.	Clear	67	MEAN RELATIVE HUMIDITY (Percentage)	6 a.m. 74.1; local noon, 46.6; 6 p.m. 48.6
51	12	32	0	Clear	99	WIND	Prevailing direction SW.; total movement 6.296 miles;
45	21	33	0	Pt. Cl'dy	63	average hourly velocity 8.5; maximum velocity (for five minutes) 25 miles per hour, from southwest on 2nd.	maximum wind velocity this month since 1904
50	18	34	0	Cloudy	64	(By four-hole cup anemometer) 43-south, 1921	WEATHER
49	37	43	.02	Cloudy	22	Number of days, clear 5; partly cloudy 11; cloudy 15 on which .01 inch, or more, of precipitation occurred 12	MISCELLANEOUS PHENOMENA (dates of).
53	32	42	.26	Cloudy	41	Auroras none; halos: solar 9, 25, 26, lunar 26, 31	Hail 29; sleet 5; fog (dense) 22, 29
49	26	38	.16	Cloudy	40	Thunderstorms none	* Frost: light .. .; heavy .. .; killing .. .
46	28	37	.15	Cloudy	20		
43	30	36	.03	Cloudy	38		
46.7	24.9	35.8	0.96	Total.	59		

NOTE.—"T" indicates trace of precipitation.

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

Lowest relative humidity observed,

20%, 6 p.m., 24th.

W. T. LATHROP,
Meteorologist Weather Bureau.

U. S. DEPARTMENT OF AGRICULTURE.

WEATHER BUREAU.

MONTHLY

METEOROLOGICAL SUMMARY

STATION

MONTH

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