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

FILE NO.

MONTHLY REPORT

April, 1936.

IMPORTANT

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ARNO B. CAMMERER,
Director.

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DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

YELLOWSTONE NATIONAL PARK

YELLOWSTONE PARK, WYO.

FICE OF THE SUPERINTENDENT

May 5, 1936

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

Dear Mr. Director:

Following is the report of activities for Yellowstone National Park during the month of April, 1936:

000 - General

The unseasonable cold weather experienced during the latter part of March continued into April and during the early part of the month conditions were unsettled and several low temperatures were recorded. The low temperature of -8° on the 1st was the lowest of record for so late in the season as was the -4° on the 5th. On the 16th, 17th and 18th temperatures of 69°, 70° and 71° respectively were recorded, which were the highest of record for so early in the season. From the 11th to the 22d of the month the Park experienced a period of high temperatures which resulted in a rapid melting of the snow so that it was possible for the snowplow to open the roads without any serious difficulty. The last week of the month saw near normal temperatures.

The weather was considerably in contrast with the month of April, 1935, during which the total snowfall of 23.7 inches was recorded, or one inch more than the previous high April total. The total snowfall for this April amounted to only 9.7 inches while the total precipitation was 1.64 inches, or 0.18 inch above the normal.

The extremely warm weather after the 10th of the month resulted in a speedy diminution of the snow permitting the snowplow to make rapid progress. The snow crew started into the interior of the park on the 1st of the month in order to try to get the highways clear of snow by the 15th of May, when the gates are to be manned and the motor vehicle license fee is to be charged. On the 16th of the month the plow reached Old Faithful and by the afternoon of the 19th the road was open to West Yellowstone. Visitors were permitted to go to Old Faithful beginning April 19th. From West Yellowstone the plow returned to Norris and opened the road to Canyon, reaching the latter point on the 22d, and proceeding next to Lake and the South Entrance. By the end of the month the plow was working between Lake and Thumb. There is still a great deal of snow on the South and East entrance highways and it will probably be the 1st of June before these roads are passable for motorists.

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

YELLOWSTONE NATIONAL PARK

YELLOWSTONE PARK, WYO.

THE SUPERINTENDENT

[illegible] 7, [illegible]

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

Dear Sir, Director:

Reference is the report of meteorites for Yellowstone National Park during the month of April, [illegible]:

DOT - [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

The road to West Yellowstone from outside the park was first open down the Madison Canyon from near Three Forks on the night of the 22d. The Gallatin highway into West Yellowstone was open on the 25th and the road from the south from Ashton to West Yellowstone was open on the 28th.

Advise was received from Washington on the 17th that the Post Office Department had awarded the contract for the new postoffice building at Mammoth Hot Springs to Siegfus Brothers of Salt Lake City, Utah, the same contractor for the new utility building at Mammoth. The contract was awarded to the second low bidder, as the low bidder refused to accept the award because of the expiration of time after the opening of the bids. The contract was awarded for $87,466 and the job is to be completed in 250 days. After the snow has entirely disappeared from around headquarters work on the project should begin early in May.

On April 22 the Director wired authority to start the collection of the motor vehicle fee beginning May 15.

On April 30 official word was received from Washington to the fact that the Secretary had approved the appointment of Edmund B. Rogers, present Superintendent of Rocky Mountain National Park, to the superintendency of the Yellowstone, succeeding former Superintendent Toll. Mr. Rogers is due to arrive in the Yellowstone about May 20th. He will be succeeded at Rocky Mountain by T. J. Allen, present Superintendent of Hot Springs National Park. The entire Yellowstone personnel was greatly pleased to learn of the assignment of Mr. Rogers to this park. Superintendent Rogers has made an enviable record in charge of Rocky Mountain National Park and appeared to be the logical successor to his close friend, Mr. Toll, whom he also succeeded at Rocky Mountain National Park. The Park personnel will accord the same fine cooperation to Mr. Rogers that has been given his predecessors and the Yellowstone should be able to carry on as it would have had not the terrible accident in New Mexico on February 25th removed Superintendent Toll from our midst.

020 - General Weather Conditions

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

021 - In the Park

Weather conditions throughout the park have been generally mild during this month, with the exception of the first nine days of the month which were characterized by a record-breaking cold wave. This was immediately followed by unusually warm weather, which prevailed during the remainder of the month. Precipitation during April was somewhat above normal. The abnormally high temperatures, which prevailed during the latter part of the month, caused the snow, over the entire park, to melt rapidly.

The work of opening the roads was started early in the month and by April 30th the highway from Mammoth to West Yellowstone, Old Faithful and Canyon was clear of snow and in a condition to permit general travel. The highway between Canyon and Lake Junctions has been cleared of snow but is

The road to Dawson Yellowknife from Goldfoot has been kept open from the Hudson Bayou from Fort Yukon to the plant of the [illegible], the Gulletin Bluffs into Fort Yellowknife was open on the 27th and the road from the south from Gaston to Fort Yellowknife was open on the 28th.

Action was received from headquarters on the 1st that the Fort Smith Department had awarded the contract for the new geophysics building at Yellowknife for springs to Sinclair Brothers of Fort Smith, that, the same contractor for the new utility building at Resolute. The contract was awarded on the second low bidder, as the low bidder refused to accept the award because of the expiration of time after the receipt of the offer. The contract was awarded for $27,[illegible] and the job is to be completed in 120 days. After the same has actually disappeared from several headquarters work on the project should begin early in May.

On April 19 the Director wired authority to start the collection of the motor vehicle for registration day 19.

On April 20 official word was received from headquarters to the effect the Secretary had approved the appointment of Edward T. Downes, present superintendent of Rocky Mountain National Park, to the superintendency of the Yellowknife, succeeding Trevor Lupartsevant Toll. Mr. Downes is due to arrive in the Yellowknife about May 20th. He will be accompanied at Rocky Mountain by T. E. Allen, present superintendent of the Glacier National Park. The entire Yellowknife personnel are greatly pleased by news of the assignment of Mr. Downes to this park. Superintendent Downes has made an available record in charge of Rocky Mountain National Park and appears to be the logical successor to his close friend, Mr. Toll, who is also succeeded at Rocky Mountain National Park. The park personnel will accord the same fine cooperation to Mr. Downes that has been given his predecessor and the Yellowknife should be able to carry on as it would have had not the terrible accident to Mr Toll on February 5th removed superintendent Toll from our midst.

020 - General Weather Conditions

A summary of the general weather conditions throughout the week will be found at the end of this report.

021 - In the Park

Weather conditions throughout the park have been generally mild during this month, with the exception of the first nine days of the month which were characterized by a fresh-blowing cold wave. This was immediately followed by unusually warm weather, which greatly hastened the melting of the snow. Precipitation during April was accompanied above normal. The accompanying disturbances, which revealed during the latter part of the month, caused the snow, over the entire park, to melt rapidly.

The work of opening the roads was started early in the month and by April 20th the delivery from Goldfoot to Fort Yellowknife, 20.4 miles, and Dawson was clear of snow and in a condition to merit general travel. The highway between Dawson and Lake Lourette has been clear of snow and is

not in condition to permit general traffic.

022 - Approaches to the Park

The South Entrance approach road has been opened as far as Moran, Wyoming and it is expected that the stretch between Moran and the South Gate will be passable within the next two weeks.

The approach to the East Entrance is open to a point within three miles of the Park boundary but no further attempts have been made to clear the last three miles because it is not expected that the road over Sylvan Pass will be open to travel until May 20th, or later.

The Montana State Highway Department opened the approach road to West Yellowstone, via the Madison River, on April 22. On April 25 the Montana snowplow returned to Bozeman, Montana by way of Gallatin and opened the Gallatin highway. This approach is in very poor condition at the present time and heavy trucks have been prohibited. The road from Ashton, Idaho to West Yellowstone was open to travel on April 28.

The approach to the North Entrance has been free of snow during the entire month. However, it has been rough and at times quite soft.

No attempts have been made to open the Red Lodge-Cooke City approach, but the road to Cooke City, through the Park, has been broken open and is now passable to light vehicles.

023 - In Nearby States

Weather conditions in the nearby states have been comparable to that of Yellowstone Park. Practically all of the highways at lower elevations have been maintained in good condition throughout the month, with hardly any stormy weather to interfere with traffic. Most of the high mountain passes have been cleared of snow and practically all of the highways are now in passable condition.

100 - Administration

110 - Status of Work

Due to the increase in activities and because of the fact that we have been without the services of our Agent-Cashier since last October, it has been difficult to keep the work current. It is important that we have a successor to Agent-Cashier Watson at an early date if we are to effectively carry on the work in the accounting office. By the end of the month, after we begin organizing some of the crews, it is evident that we will be seriously handicapped for clerical personnel if all of the present positions are not filled.

Clerk Albert R. Novak was on leave from the 12th to the 19th. Senior Clerk Keith Neilson was on leave from the 20th to the end of the month.

Clerk Alice L. Harris selected for summer employment reported for duty on April 9th.

ot in condition to permit general traffic.

020 - Approaches to the Park

The South Entrance approach road has been opened to the public, yesterday and it is expected that the stretch between Gardiner and the South Entrance will be passable within the next two weeks.

The approach to the East Entrance is open to a point within three miles of the Park boundary but no further attempts have been made to clear the last three miles because it is not expected that the road over Sylvan Pass will be open to travel until May 20th, or later.

The Montana State Highway Department opened the approach road to West Yellowstone, via the Madison River, on April 22. On April 25 the Montana Snowplow returned to Bozeman, coming by way of Ennis and crossed the Gallatin Highway. This approach is in very poor condition at the present time and heavy trucks have been prohibited. The road from Ashton, Idaho to West Yellowstone was open to travel on April 28.

The approach to the North Entrance has been free of snow during the entire month. However, it has been rough and at times muddy.

No attempts have been made to open the old Cooke-Cooke City approach, but the road to Cooke City, through the Park, has been broken open and is now passable to light vehicles.

020 - In Nearby States

Weather conditions in the nearby states have been comparable to that of Yellowstone Park. Practically all of the highways at lower elevations have been maintained in good condition throughout the month, with hardly any storms to interfere with traffic. Most of the high mountain passes have been cleared of snow and practically all of the highways are now in passable condition.

100 - Administration

110 - Status of Work

Due to the increase in activities and bonuses of the year that we have been without the services of our Light-Caddie since late October, it has been difficult to keep the work current. It is important that we have a necessary to Light-Caddie Nelson at as early date if we are to effectively carry on the work in the accounting office. By the end of the month, after a depth organizing some of the crews, it is evident that we will be seriously disappointed for clerical personnel if all of the present positions are not filled.

Clerk Albert H. Novak was on leave from the 14th to the 18th. Senior Clerk Keith Mathson was on leave from the 20th to the end of the month.

Clerk Alice L. Harris selected for summer employment reported for duty on April 9th.

Junior Park Naturalist Kearns returned from the hospital in Livingston on April 11, following a major operation, but he was not able to return to work until the 20th. Because of his weakened condition he was not able to remain on the job and required sick leave for several days at the end of the month.

120 - Inspections by:

121 - Acting Superintendent

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

April 6 - To Livingston to confer with the County Superintendent of Schools regarding the Mammoth school; returned for night.

April 9 - To Billings to attend National Emergency Council Meeting; night in Billings.

April 10 - In Billings.

April 11 - Returned from Billings.

April 14 - To Nez Perce Creek with Assistant Chief Ranger Miller to inspect the CCC camp.

April 15 - To Tower Falls to observe the condition of the sunken road on the Mammoth-Tower Falls highway.

April 20 - To West Yellowstone and return with Engineer Lord to look over road conditions.

April 21 - To Nez Perce camp and West Yellowstone with Major Jackson and Captain Applegate, CCC officers from Pocatello.

April 27 - To Livingston to assist Mrs. Dale with funeral arrangements for Mr. Dale; returned Mammoth for night.

April 28 - To Livingston to assist Mrs. Dale with funeral arrangements for Mr. Dale; returned Mammoth for night.

April 29 - Attended Dale funeral in Livingston.

April 30 - To Canyon and return with Mr. LaNoue.

123 - National Park Service Officers

M. E. Thede, ECW Inspector, arrived via the North Gate on the 6th and departed on the 8th after inspecting various ECW activities in the park.

Perry Edwards and C. J. Kelleher, Washington Office accountants, departed on the 9th, having been in the park since March 16th to look into fiscal matters.

Junior Park Ranger Kenneth Pierce returned from the hospital in Livingston April 11, following medical treatment, but he was not able to return to work until the 20th. Because of his weakened condition he was not able to remain on the job and received sick leave for several days. He was off for 9 days.

D - Inspections by:

1) - Acting Superintendent

Acting Superintendent Bennett made inspections around headquarters and to the interior and outside the park as follows:

April 6 - To Livingston to confer with the County Superintendent of Schools relative the Yellowstone School; returned for night.

April 9 - To Billings to attend National Secretary Council meeting; night Billings.

April 10 - In Billings.

April 11 - Returned from Billings.

April 14 - To the Forest Crew with Assistant Ranger Hodges Miller to inspect the 3M area.

April 15 - To Fort Yellowstone to observe the condition of the Yellowstone road on Yellowstone-Tower Falls highway.

April 20 - To meet Yellowstone and return with Engineer Lord to look over road conditions.

April 21 - To the Forest Crew and test Yellowstone with Major Hanson and Yellowstone Inspector, CCC officers from Cooperville.

April 27 - To Livingston to assist Mrs. Dale with funeral arrangements for Mr. Dale; returned Saturday for night.

April 28 - To Livingston to assist Mrs. Dale with funeral arrangements for Mr. Dale; returned Saturday for night.

April 29 - Attended Dale funeral in Livingston.

April 30 - To Canyon and return with Mr. Lafore.

2) - National Park Service Officers

M. S. Cheek, CCC Inspector, arrived via the North Gate on the 6th and departed on the 8th after inspecting various CCC activities in the park.

Ferry Shourds and C. J. Kellogg, Washington Office accountants, departed the 8th, having been in the park since March 16th to look into fiscal matters.

Herbert Gebhardt, Inspector from the Branch of Plans and Design, San Francisco, returned to the Park on April 29th, having departed on March 7th. Mr. Gebhardt is to be the Inspector on the new utility building at Mammoth.

125 - Other Governmental Officers

Major Jackson and Captain Applegate, CCC Officers from Pocatello, inspected the Nez Perce campsite on the 21st.

Robert Downs, Montana Veterans Placement officer, and Richard Maswell, National Reemployment officer, Livingston, arrived on the 22d to discuss the reopening of the National Reemployment Service office at Mammoth.

T. C. Miller of the Water Resources Branch, Geological Survey, Boise, Idaho, entered the Park April 23d to inspect the water gauges throughout the Park. He departed on the 29th via the West Gate.

Col. E. L. Hooper, District Commander, CCC, Missoula, visited the Park on April 23d.

140 - Labor Situation

With the starting of the snowplow to open the roads several men were returned to duty and after the camps were established it became necessary to return a number of truck drivers, foremen, incinerator operators and other employees to duty for maintenance work. Work on the new utility building has not begun but should be resumed early in May, which will provide some employment, as will the construction work on the new post office building which should get under way shortly. With the opening of the roads the road contractors will soon be able to get to work on their projects, which will afford employment for a number of men in the vicinity of the Park. Several hundred applications were received during the month for various positions and the number surpasses the applications which we have been receiving for the past several years.

The National Reemployment Service expects to reopen its office at Mammoth early in May and will be under a Mr. Gaffney of Terry, Montana. In addition to the executive in charge the office force will consist of one employee from Wyoming and one from Idaho.

150 - Equipment and Supplies

Four carloads of coal, two carloads of gasoline and one carload of cement were received in addition to other shipments of kerosene, potatoes, rations, grease, etc. weighing 25,595 lbs.

160 - Status of Alienated Lands

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

170 - Plans, Maps and Surveys

The engineering force was the same as reported for the preceding month

Herbert Cabarat, Inspector from the Bureau of Plans and Walks, has resigned, and returned to the Park on April 16th, having completed his job. Concrete is to be the Inspector of the new utility building at Kooch.

149 - Other Governmental Officers

Major Jackson and Captain Lupkowe, OCC officers from Kootenay, inspected the Ser Force camsite on the 14th.

Lorne Howe, Service Veterans Placement officer, and Richard Arnold, Regional Employment officer, Kitimaten, arrived on the 8th to discuss the opening of the National Employment Service office at Kamloch.

T. C. Miller of the Water Resources Branch, Geological Survey, Ottawa, entered the Park April 22d to inspect the water quality investigation. He departed on the 25th via the east gate.

Col. E. L. Cooper, District Commander, OCC, Kamloops, visited the Park April 23d.

150 - Labor Situation

With the starting of the campsite to open the roads several men were recalled to duty and after the camps were established it became necessary to return a number of truck drivers, foremen, lineman, construction and other employees to duty for maintenance work. Work on the new utility building has not begun but should be resumed early in May, which will provide some employment, as will the construction work on the new post office building which should get under way shortly. With the opening of the roads the road contractors will soon be able to get to work on their projects, which will afford employment for a number of men in the vicinity of the Park. Several hundred applications were received during the month for various positions and the number increases the applications which we have been receiving for the past several years.

The National Unemployment Service expects to open its office in Kamloops early in May and will be under a Mr. Anthony of Ferry, Kamloops. In addition to the executive in charge the office force will consist of one employee from Revelstoke and one from Kamloops.

151 - Equipment and Supplies

Four carloads of coal, two carloads of gasoline and one carload of cement were received in addition to other equipment of Kerosene, gasoline, matches, cement, etc. weighing 63,872 lbs.

152 - Status of Alienated Lands

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

153 - Plans, Maps and Surveys

The engineering force has been as reported for the preceding month

and activities were routine. Two final construction reports were prepared and forwarded during the month and partial data worked up for two additional reports. The year-round position of Assistant Engineer was approved during the month and a register for the position requested from the Civil Service Commission.

180 - Circulars, Placards, Publicity Bulletins, Etc.

Circular No. 7 was issued during the month and the March-April Nature Notes were prepared and distributed on March 8. Copies of these are attached. Several press releases were furnished the associated and united presses and local papers and numerous pictures were sent out for publicity purposes. Advise was received that J. H. Mader will again handle the publicity work in the Park during the summer. The supply of the 1936 circulars of general information booklet was received on April 28.

200 - Maintenance, Improvements and New Construction

210 - Road Maintenance

Snow removal under double-shift operation continued throughout the month and the sections to West Yellowstone, Old Faithful, and Canyon are now open to travel. The crews have also cleared to West Thumb on the South Entrance section but all of this distance is over newly constructed grade and too wet and unstable to permit public travel until some maintenance work has been done.

The permanent maintenance crew was established at Mammoth on April 17, this crew to care for the headquarters section and any emergency work on adjacent sections. Temporary crews for emergency heavy maintenance were placed at Old Faithful and Canyon. The work of the Old Faithful crew consists principally of grade stabilization at the Firehole River bridge about one mile north of Old Faithful and that of the Canyon crew is drainage work between Canyon and Lake. Several hundred yards of material sloughed from the heavy fill near Mud Volcano on the Canyon-Lake section but there is still sufficient roadway for safe travel.

The West Gallatin section was cleared of snow by the Montana State Highway Commission with their own equipment and at their own expense and opened to traffic on April 25.

220 - Improvements

Shops - Fifteen trucks were overhauled during the month in addition to two motor patrol graders. Also there were seven trucks painted during the month. Considerable time was spent in getting equipment out of storage for maintenance work.

Electrical Department - In addition to the usual maintenance and repair work during the month a water level gauge at the reservoir was installed and the street lighting circuit extended and two street light brackets installed for lighting up the parking area for the National Park Service employees' private cars north of the stable. The telephone lines were patrolled and cleared from Mammoth to Old Faithful, Madison Junction to West Yellowstone and

activities were routine. The final conservation reports were prepared
forwarded during the month and partial data added up for the additional
ports. The year-round position of Indian Director was transferred during the
th, and 1 registrar for the Indian remained from the Civil Service Commission.

180 - Circulars, Placards, Publicity Bulletins, Etc.

Circular No. 9 was issued during the month and the Bush-Spill Nature Study
s prepared and distributed on March 8. Copies of these are attached. Several
ess releases were furnished the Associated and United Press and local papers
d numerous pictures were sent out for publicity purposes. Notice was re-
ived that J. R. Weber will again handle the publicity work in the Park during
summer. The supply of the 1938 circulars of general information bulletin
s received on April 28.

0 - Maintenance, Improvements and New Construction

410 - Road Maintenance

Snow removal under double-shift operation continued throughout the month
the sections to Mount Jefferson, Old Faithful, and Canyon are now open to
avel. The crews have also started to work down on the south entrance sec-
on but all of this distance is over newly constructed grade and too wet and
ftable to permit public travel until some maintenance work has been done.

The permanent maintenance crew was established at Bumpass on April 27,
is area to care for the Bumpass Hotel and any emergency work on ad-
cent sections. Temporary crews for emergency heavy maintenance were placed
Old Faithful and Canyon. The work of the old Faithful crew commence practically
point straightening at the Firehole River bridge about one mile north of
d Faithful and that of the Canyon crew is drainage work between Canyon and
. Several hundred yards of material sloughed from the newly fill near Tod
lland on the Canyon-Lake section but there is still sufficient roadway for
fe travel.

The road patrolmen assisted one crew of men by the Montana State Highway
mission with their own equipment and at least one grader was opened to
affic on April 29.

420 - Improvements

Stope - Fifteen trucks were overhauled during the month in addition to
o motor patrol graders. Also there were seven trucks painted during the month.
mainderdir time was spent in getting equipment out of storage for maintenance
rk.

Miscellaneous Improvements - In addition to the usual maintenance job repairs
s during the month a water level gauge at the reservoir was installed and
e street lighting circuit extended and two street lights complete installed
r lighting at the parking area for the National Park Service employees'
ivate cars north of the stable. The telephone lines were installed and
ered from Bumpath to Old Faithful, Madison Junction to Mammoth Yellowstone and

Snowdrift on Canyon-Lake section near Elk Antler Creek. One of five drifts on this section of about equal size. Picture taken in snow storm.

Washout of bridge approach at Firehole River near Riverside Geyser.

Subgrade failure on newly constructed Firehole Cascades-Old Faithful section. Photo just back of auto in background of preceding picture.

Washout of paved gutter and oil surface in same vicinity as preceding picture.

Rock slide at Gibbon Canyon with indication of more to come.

Washout of new grade on Canyon-Lake section of Mud Volcano.

Norris to Lake. A 10-station intercommunicating telephone system was installed in the Administration building, Museum and C.C.C. office. The Lake switchboard was cleaned up and a new cable installed.

Carpenter Shop - Storm windows were taken down from all the Mammoth buildings and screens put on, 10 cover bindings were made for maps in the ranger office, new fire door was installed in the basement of the apartment house, besides other miscellaneous repairs.

Plumbing Department - Besides the usual maintenance and operation during the month, water meters were installed in the following operators' buildings at Mammoth: Pryor Store, Pryor Coffee Shop, Mr. Brown's residence and the Cottage Hotel; water was turned on at the Tower Falls ranger station and the reservoir cleaned out; and the bunkhouses at Old Faithful, Madison Junction and Norris were fumigated with cyanide gas.

Paint Shop - The interior of the North Entrance ranger station was painted during the month, besides other miseellaneous jobs.

230 - New Construction

F.P. 598 - Water and Power Development, Mammoth - Work of installing and connecting water to the several utility operators' units was started April 15. This is a force account item of the project under the direct supervision of the master plumber. A complete servicing and overhauling of the gasoline standby unit was made by the mechanical department.

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, and the C. A. Hamilton Store was open during the last few days of the month although Mr. Hamilton is not due to arrive until about May 9th.

The first of the operators to return for the season was Mrs. Anna K. Pryor who operates the Pryor Stores.

Mr. F. E. Kammermeyer, superintendent of transportation for the Transportation Company, advised after a trip to Cleveland, Ohio, that the Transportation Company had placed an order for 26 new White 14-passenger busses stream lined and that Glacier Park had ordered 18 of the same type of busses and Sequoia one.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

Protection Department work during April has consisted of protection patrols on skis and snowshoes, highway patrols and patrols and information service at Old Faithful. Some time was devoted to general cleanup of stations, super-

[illegible] to [illegible]. A 10-station intercommunicating telephone system was installed in the administration building, between the T.V.A. office, the [illegible] and a new public lavatory.

Carpenter Shop - Store windows were taken down from all the buildings and screens put on, 10 copper blinds were made for use in the cashier office, one fire door was installed in the basement of the storehouse, besides other miscellaneous repairs.

Plumbing Department - Besides the usual maintenance and repairing during the year, water meters were installed in the following commercial buildings: Dryer Store, Dryer Office Shop, Mr. Byrne's residence and the storage cement mixer was moved to the Tower Pile reserve station and the reservoir cleaned out; and the bunkhouses at Old Fairfield, Walden Ridge and Morris were fumigated with cyanide gas.

Paint Shop - The interior of the North Chickamauga ranger station was painted during the month, besides other miscellaneous jobs.

[illegible] - [illegible] Construction

[illegible]. 5[illegible] - Water and Power Development, Research - Work of installing and connecting meters to the several utility operators' units was started [illegible]. This is a three-month item of the project; under the direct supervision of the master plumber, a complete revision and overhauling of the pumping [illegible] was made by the mechanical department.

[illegible] - Activities of Other Agencies in the Area

[illegible] - Public Service Contractors

The general store at Ducktown remained open throughout the month to take care of local residents, and the U. A. Manifold Store was open during the last [illegible] days of the month although Mr. Manifold is not due to arrive until about [illegible] 9th.

The first of the operators to return for the season was Mrs. [illegible]. [illegible] operates the Dryer Store.

Mr. [illegible] A. Hammondsmith, superintendent of transportation for the Tennessee Copper Company, arrived after a trip to Cleveland, Ohio, that the Transportation Department had placed an order for 28 new White 1½-passenger buses [illegible] and that Director Ivey had ordered 12 of the same type of buses [illegible] Georgia Sun.

[illegible] - Fauna, Flora and Natural Phenomena

[illegible] - Ranger, Patrolling and Fire Service

Protection Department work during April has consisted of [illegible] patrols [illegible] and mountains, highway patrols and patrols and information service at [illegible] Fairfield. Some time was devoted to general cleaning of stations, supply-

vision of seeding and cultivation of barren lands on the Game Ranch area, feeding of buffalo and elk, maintenance of the government horse herd, and other pertinent duties. Several members of the Protection Department permanent personnel were away on annual leave during part of the month.

One temporary ranger was employed during this month to patrol and protect the Old Faithful area. In past years this area, especially Old Faithful cone, has suffered considerable damage at the hands of pre-season visitors, and it was considered necessary and advisable to institute additional protection measures at this point to keep visitors from writing on and chipping the formations.

Acting Chief Ranger LaNoue made a trip to Casper, Wyoming to represent the National Park Service in a meeting of Wyoming officials who met for the purpose of discussing conservation matters. Some time was also devoted to conferences with Montana State Game officials regarding policies to be followed in future elk reductions and management of hunting areas which are directly adjacent to the park. The remainder of his time was devoted to office work and field inspections in the interior of the park.

Acting Assistant Chief Ranger Elliott devoted most of his time to matters concerned with the administration of the Chief Ranger's office. Some time was spent on law enforcement matters, checking Protection Department supplies and equipment, field inspections to the interior of the park, inspections of buildings for fire hazards, and fire drills.

Acting Assistant Chief Ranger Barrows spent most of his time during the month in supervision of work on the forest nursery, completion of the type map, moving and arranging of forest fire fighting tools, mapping and inspecting areas in which trees have suffered from winter drying, and field inspections to various points in the park.

Acting Assistant Chief Ranger Skinner has devoted most of his time this month to completion of the elk reduction report, game counts, supervision of trail maintenance work, and general inspection trips to various points in the park.

420 - Museum Service

Several visitors were permitted in the Museum at Mammoth Hot Springs as they had come a long ways, and we attempted to give them some idea of Yellowstone and general information. There were no lectures given during the month. The March-April issue of Nature Notes was mimeographed and mailed out to about 850 addresses.

460 - Birds

This month has seen the arrival of almost all of the migratory birds which make Yellowstone Park their summer home. Water fowl have been observed in increasing numbers and it has been reported that geese and ducks are now nesting in many places. One pair of Trumpeter Swan have been observed nesting on Trumpeter Lake. However, most of the other lakes in the Park which provide

ation of seeding and cultivation of burned lands on [illegible] areas;
eding of rotenone and elk, maintenance of the provisional [illegible] trail, and
ther portions duties. Several members of the Conservation Department personnel
received were away on annual leave during part of the month.

One temporary ranger was employed during this month to patrol and pro-
ect the old Fishing area. In past years this area, especially the Lodge
ea, has suffered considerable damage at the hands of pre-season visitors,
d it was considered necessary and advisable to institute additional pro-
ection measures at this point to keep visitors from writing on and mutilate
e formations.

Acting - Chief Ranger Jackson made a trip to Denver, Wyoming to represent
e National Park Service in a meeting of vacation officials and set for the
urpose of discussing conservation matters. Some time was also devoted to
onferences with Morton Smith concerning policies regarding policies to be followed
, future elk reductions and management of hunting areas which are directly
djacent to the park. The remainder of his time was devoted to office work
d field inspections in the interior of the park.

Acting Assistant Chief Ranger Elliott devoted most of his time to matters
oncerned with the administration of the Chief Ranger's office. Some time
as spent on his conservation matters, checking protection department supplies
d equipment, field inspections to the interior of the park, inspections of
ildings for fire hazards, and fire drills.

Acting Assistant Chief Ranger Barrows spent most of his time during the
onth in supervision of work on the forest nursery, compilation of the type
p, having and arranging of forest fire fighting tools, supplies and inspect-
g areas in which trees have suffered from winter drying, and field inspect-
ns to various points in the park.

Acting Assistant Chief Ranger Dickson has devoted most of his time this
onth to completion of the elk reduction report, game counts, supervision of
ll maintenance work, and general inspection trips to various points in the
rk.

400 - Travel Service

Several visitors were permitted in the Bunny at Kennedy for brushing
they had made a long wait, and we attempted to give them some idea of
ilderness and general information. There were no incidents during the
onth. The Park-Yosemite issue of Nature Notes was prepared and mailed out
about 100 subscribers.

450 - Birds

This month has seen the arrival of almost all of the migratory birds which
re following their yearly summer home. Only four have been observed in
reasing numbers and it has been reported that geese and ducks are now
ating in many places. One pair of trumpeter swans have been seen feeding
Trumpeter Lake. However, most of the other lakes in the park which provide

nesting places for waterfowl are still frozen over. It is believed that the unusually warm weather, experienced this month, has caused premature nesting of some species and individuals.

470 - Animals

Most of the game animals have left the lower winter range and have followed the snow lint back up to the lower levels of the high summer range. With severe weather conditions prevailing during the latter part of March, it was expected that the elk and deer herds would suffer from lack of forage and a heavy winter kill would result. Favorable weather conditions, however, caused the snow to melt quite rapidly and forage plants to make a rapid early growth. All game animals survived the critical period in excellent condition and the winter kill was considerably below normal at the time the migration back to the summer range started.

A deer and antelope count was conducted during this month and a copy of the report covering this count is attached.

Bears have been reported out of hibernation in all sections of the park, however, they have caused no damages to date. On one occasion several persons were eye witnesses to an attempted elk kill by a grizzly. This occurred in the vicinity of Fountain Paint Pots and it is believed that if the bear had been left unmolested that a kill would have resulted.

Five wolves were seen and reported in the vicinity of Old Faithful. Several freshly killed elk carcasses found in this vicinity seem to bear out the report that the animals seen were actually wolves instead of coyotes.

480 - Phenomena

Angel Spring - still continues the heavy flow of the past two months from the new outlet. Beautiful basins have formed on the slopes below, eight to twelve inches across and four inches high. Just below the outlet, a large fan-shaped deposit of fibrous appearing travertine has built up to a thickness of twelve inches. A pool ten feet in diameter has formed about sixty feet down the slope.

Baby Spring - The overflow has covered a larger area the past month than at any time since November, 1935. It is flowing over the front of Jupiter Terrace near Pulpit, and a stream of water six feet wide and from one to two inches deep is flowing around the south end of Jupiter. The bottom of a pool thirty feet in diameter has dropped two feet and all the water drained out.

Cleopatra Spring - has increased one-third over the flow of March.

Cupid's Spring - has doubled its flow and has filled the pool again at the bottom of the formation.

Hymen Spring - is still inactive.

Highland Spring - is still inactive.

[illegible] plants for waterfowl are still there, however. It is believed that the usually very healthy, experienced this winter, but, should conditions worsen, some species and individuals.

470 - [illegible]

Most of the game animals have left the lower wildlife areas and have followed the snow line back up to the lower levels of the high mountain ranges. If severe weather conditions prevailing during the latter part of March, it is expected that the elk and deer herds would suffer from lack of forage and heavy winter kill would result. Favorable weather conditions, however, have the snow to melt quite rapidly and forage plants to make a rapid growth. All game animals survived the artificial period in excellent condition. The winter kill was considerably below normal at the time the observation was made to the winter range [illegible].

A deer and antelope count was conducted during this month and a copy of report covering this count is attached.

There have been reported out of Wyomingtown in all positions of the park, however, they have caused no damage to date. On one occasion several persons saw an attempt to be attempted air kill by a grizzly. This occurred in the vicinity of Yellowstone Lake but it is believed that if the bear had not left undoubted that a kill would have resulted.

Five wolves were seen and reported in the vicinity of Old Faithful. Several Family killed all carcasses found in this vicinity were in bear and report that the animals seen were actually wolves instead of coyotes.

480 - [illegible]

Angel Spring - still continues the heavy flow of the past two months from new outlet. Everything inside have fences on the above below, start to live lichen covers and look healthy. Just below the outlet, a large fan-shaped deposit of fibrous aquatic invertebrate has built up to a thickness of five inches. A pool ten feet in diameter has formed about sixty feet down stream.

Roy Spring - The overflow has covered a larger area the past month than any time since November, 1930. It is flowing over the frame of Junior [illegible] near Fight, and a stream of water six feet wide and from one to two [illegible] deep is flowing around the south end of Jupiter. The bottom of a pool [illegible] fifty feet in diameter has dropped two feet and all the water drained out.

Glazgoton Spring - has increased one-third over the flow of March.

Cowie's Spring - has doubled its flow and has filled the pool again at the [illegible] of the formation.

Tyree Spring - is still inactive.

Blanket Spring - is still inactive.

Jupiter Spring - is still inactive.

Main Spring - shows just a little seepage.

Minerva Spring - is still inactive.

Mound Spring - has been building up several large basins during the past year that are now plainly visible from the highway below.

Naiad Spring - has decreased more than half the flow of last month.

Opal Spring - shows no change in the strong flow of March.

Orange Spring Mound - shows no change.

Palette Spring - is flowing strong. All the water is covering the slope west of the Devils Thumb as in 1932 and 1933.

Prospect Spring - is still flowing strong as in March. The surface water is disappearing in two openings about 75 feet from the outlet.

The bottom of the fumarole near the road at this point has settled two feet, undermined by flowing water plainly heard from the surface.

Summit Basin Spring - is still overflowing to the north. The water disappears in large cracks at the foot of the cascade and some of it reaches a point below Minerva.

The new springs near Cheops Mound continue as in March.

Norris Geyser Basin - In a visit to this Basin on April 10 no changes were noticed with the exception of Constant Geyser. It appears to have been inactive all winter, the tube and pool being heavily covered with algae.

The new geyser reported in December, 1935 is still erupting steadily to a height of eight feet.

Upper Geyser Basin - Giant Geyser erupted on April 9 and April 18; Lion and Vault both erupted three times on April 17; and the Beehive Geyser erupted on April 19.

500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

Travel during April amounted to 381 vehicles and 1071 passengers as compared with 80 vehicles and 230 passengers for April, 1935. Part of this increase is attributed to the fact that the Old Faithful and West Yellowstone highways were opened to general travel on April 19. This is about one month earlier than these sections of road were opened last year.

The total travel to date amounts to 4985 motor vehicles and 13,200 visitors

Twister spring - is still inactive.

Lake spring - shows just a little seepage.

Minerva Spring - is still inactive.

Round Spring - has been building up several large boils during the past
r that are now plainly visible from the highway below.

Petal Spring - has decreased more than half the flow of last year.

Opal Spring - shows no change in the strong flow of water.

Cameron Spring Branch - shows no change.

Pulsate Spring - is flowing strong. All the water is covering the sing
t of the Devils Branch on 10-28 and 1928.

Prospect Spring - is still flowing along as in March. The surface water
disappearing in two openings about 75 feet from the outlet.

The bottom of the Downside near the road at Table Rock has settled two
, moderated by flowing water quickly based from the surface.

Cement Basin Spring - is still overflowing to the north. The water
appears in large crevice at the foot of the escarpe and soon it reduces a
at below sinters.

The new springs near Moore Round continue as in March.

Devils Corner Basin - In a visit to this basin on April 10 no changes were
ted with the exception of Constant Corner. It appears to have been inactive
winter, the tube and pool being heavily covered with algae.

The new corner reported in December, 1928 is still growing steadily to a
of eight feet.

Upper Corner Basin - Giant Corner erupted on April 9 and April 12; Ice and
ll had erupted three times on April 17; and the Reactive Corner erupted on
il 19.

- Use of Park Facilities by the Public

310 - Increase or Decrease in Travel

Travel during April amounted to 381 vehicles and 1071 passengers as com-
ed with 80 vehicles and 230 passengers for April, 1928. Most of this increase
attributed to the fact that the Old Faithful and Lake Yellowstone Hotels
e opened to general travel on April 19. This is about one week earlier than
e openings if road were opened last year.

The total travel to date amounts to 4291 motor vehicles and 12,900 pedestrians

as compared with 2372 motor vehicles and 6954 visitors representing the pre-season travel to date in 1935. This represents an increase of 110.0 per cent of motor vehicles and 89.9 per cent of park visitors to date.

520 - Conditions in the Park

Weather conditions, since April 19, have been favorable for tourist travel to such points in the park as have been open to travel. Many local people have been attracted to the Park to view the large herds of elk, deer, antelope and buffalo, which during the past month have been concentrated along the highways from Mammoth to the Buffalo Ranch. With the opening of the highway to Old Faithful, many visitors became interested in driving over this section of the road to observe the heavy snow conditions which existed when the road was first opened.

600 - Protection

610 --Police Protection

One law enforcement case was handled during this month when two students from Montana State College were caught shooting gophers and marmots in the vicinity of Gallatin Station. Both boys were brought to trial before U. S. Commissioner T. Paul Wilcox and were penalized only by enforced forfeiture of the gun they had been using.

620 - Fire Protection

One fire drill was held at Mammoth during this month. The volunteer fire brigade responded well to the fire signal and within seven minutes from the first signal the fire truck had traveled over half a mile and strung out two hundred feet of hose and had water on the fire. This time was not as short as it should have been because the signalling system was not functioning properly.

The forest fire tool cache has been moved from an old frame building in which it was previously housed, to comparatively fire-proof quarters in a stone structure. Considerable work has been accomplished during this month toward reconditioning all fire-fighting equipment and preparing complete tool units for immediate use in the field.

900 - Miscellaneous

Post Office - Business in the Post Office for the month of April, 1936 was slightly above normal as compared with the corresponding month of last year.

On April 24, 1936 the Secretary approved the appointment of C. W. Anthony as Custodian of the site upon which the new Post Office building is to be erected.

Church Services - Easter services were held on the evening of April 12 by Rev. Lewis D. Smith, Episcopalean Minister from Livingston.

[illegible] increased with 5272 motor vehicles and 6664 visitors representing the pre-season travel to date in 1955. This represents an increase of [illegible] per cent of motor vehicles and 52.9 per cent of park visitors to date.

630 - Conditions in the Park

Weather conditions, since April 15, have been favorable for general travel to such points in the park as have been open to travel. Many local people have been attracted to the park to view the large herds of elk, deer, antelope and buffalo, which during the past month have been concentrated along the highway from Moorcroft to the Buffalo Bend. With the opening of the highway to Old Faithful, many visitors became interested in driving over this section of the road to observe the heavy snow conditions which existed when the road was first opened.

650 - Protection

651 - Public Protection

One law enforcement case was handled during this month when two students from Montana State College were caught shooting pigeons and merganse in the vicinity of Cunningham Bridge. Both boys were brought to trial before U. S. Commissioner T. Saul Wilson and were sentenced only by enforced forfeiture of the gun they had been using.

650 - Fire Protection

One fire drill was held at Mammoth during this month. The volunteer fire brigade responded well to the fire signal and within seven minutes from the first signal the fire truck had traveled over half a mile and strung out two hundred feet of hose and had water on the fire. This time was not as short as it should have been because the signalling system was not functioning properly.

The forest fire tool cache has been moved from an old frame building in which it was previously housed, to comparatively fire-proof quarters in a stone structure. Considerable work has been accomplished during this month toward reconditioning all fire-fighting equipment and preparing complete tool units for immediate use in the field.

900 - Miscellaneous

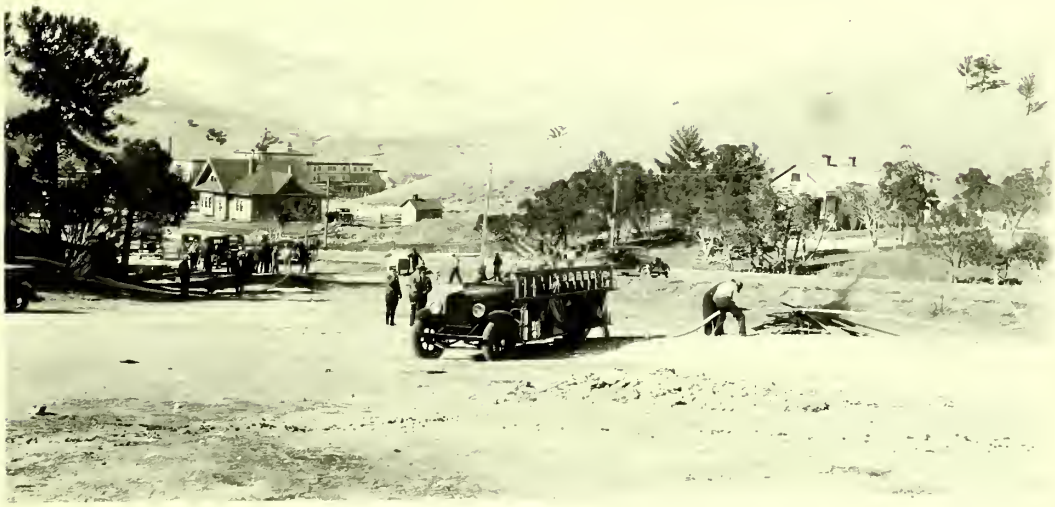
Post Office - Business in the Post Office for the month of April, 1955 was slightly above normal as compared with the corresponding month of last year.

On April 5, 1955 the Secretary approved the appointment of E. [illegible] to Custodian of the site upon which the new Post Office building is to be erected.

Church Services - Easter service were held on the evening of April 12 by Rev. Lewis D. Smith, Episcopalian minister from Livingston.

Starting a fire in debris for practice fire during a fire drill on April 13.

Volunteer fire fighting crew and fire truck arrive at scene of fire during practice drill. Hose from house near fire plug was not used, as purpose of drill was to test organization for speed and efficiency in getting into action with portable equipment.



Fire crew in action on practice drill. Fire was started at a point about ½ mile from government garage where fire truck was housed. The truck reached the fire, strung out 200 feet of hose and had water on the fire within seven minutes from time first signal was given.

Hospital and Medical - There were 45 home calls and 156 office calls reported during the month of April.

E.C.W. - Assistant Chief Ranger Miller was in active charge of E.C.W. activities during the month and all of his time was taken up with E.C.W. matters.

Work was commenced on the first of April on several of the Seventh Period carry-over projects and good progress was made toward their completion, although progress was hampered to some extent during the first of the month due to inclement weather.

On the 16th of the month 66 replacements arrived from Ohio. About half of this number were new enrollees and the rest were boys who had served in the CCC during other periods.

The supervisory personnel at Camp YNP #1 is doing very satisfactory work both as leaders in the Educational and Safety First programs and on the projects. The Army personnel cooperates readily in all matters with the Park Service.

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The local Civil Service Board held an examination for typist and stenographer in the Lodge Room of the Canteen building on the morning of April 4. Messrs. Joffe and Hundley conducted the examination and there were two contestants.

The regular monthly meeting of the Federal Employees' Union No. 465 was held in the Lodge room of the Canteen on April 6.

The Yellowstone personnel responded to the call for aid for the eastern and southern flood sufferers and the amount of $22.00 was collected and turned over to the Park County Chapter of the American Red Cross in Livingston.

The many friends of Dr. Harry Kelly were sorry to learn of his passing at Mount Vernon, Iowa on April 10 due to heart failure. While Dr. Kelly was 69 years of age he was very active during his work as a ranger-naturalist with the National Park Service here for several seasons, and was very popular both with the visitors and his fellow employees.

Members of the Yellowstone Chess Club participated in a chess tournament held in Billings, Montana on April 19 to decide the championship of the State. Senior Clerk Keith Neilson won first place at the tournament.

Recreational activities continued in the Canteen throughout most of the month, the services of Miss Marguerite McMartin being dispensed with on April 24. Miss McMartin was employed by the Park personnel to supervise the recreational work. The fine weather throughout most of April caused many golf fans to participate in this sport on the Gardiner course.

Personnel and Welfare - There were 32 hours daily for 108 officers while reported during the month of April.

C.C.C. - Assistant Chief Ranger Miller was in service during part of C.C.C. activities during the month and all of his time was taken up with C.C.C. matters.

Work was commenced on the first of April on several of the several varied carry-over projects and good progress has been made toward completion, although progress was hampered to some extent during the first of the month due to inclement weather.

On the 12th of the month 21 replacements arrived from camp. Some half of this number were new enrollees and the rest were boys who had served in the CCC during other periods.

The supervisory personnel at Camp NP 21 is doing very satisfactory work both in leaders in the educational and safety fields particularly in the projects. The army personnel cooperates readily in all matters with the Park Service.

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The Local Civil Service Board held an examination for guide and interpreter in the Lodge room of the Bartlett building on the morning of April 4. Messrs. Jeffs and Quimby conducted the examination and there were two contenders.

The regular monthly meeting of the Federal Employees' Union No. 488 was held in the Lodge room of the Bartlett on April 5.

The Yellowstone personnel responded to the call for aid for the eastern and southern flood sufferers and the amount of $24.00 was collected and turned over to the Red Cross County Chapter of the Jackson Hole Chamber in Livingston.

The many friends of Dr. Harry Daily were sorry to learn of his passing at Mount Vernon, Iowa on April 10 due to heart failure. While Dr. Daily was 77 years of age he was very active during his work as a naturalist with the National Park Service here for several seasons, and was very popular both with the visitors and his fellow employees.

Members of the Yellowstone Bridge Club participated in a bridge tournament held in Billings, Montana on April 19 to decide the championship of the state. Junior Clark with Williams won first place at the tournament.

Conservational activities continued in the Gardiner throughout most of the month, the services of nine Conservation Corps men being discharged with on April 24. Nine Indians are employed by the Park personnel to supervise the conservational work. The fine weather throughout most of April caused many golf fans to participate in this sport on the Gardiner course.

Arthur Hall of W. A. Hall Company in Gardiner died in the Lott Hospital in Livingston, Montana on April 24 after an illness of about ten days. Mr. Hall was one of four sons of W. A. Hall, a Pioneer merchant at the north entrance of the Park. Funeral services were held in Bozeman on the 26th and many Park people attended. Mrs. Joffe sang two numbers at the services.

The Park was saddened on April 27th through the passing of Chief Electrician Charles Dale who died at the Park Hospital in Livingston on that date following an illness of several days. Mr. Dale was strickened on the evening of April 17th and was removed to the hospital in Livingston the next night. The cause of death was inflammation of the liver. Mr. Dale was born at Clarence, Missouri on March 8, 1881 and held the position of chief electrician with the National Park Service in Yellowstone since 1925, having entered the service of the National Park Service here in June, 1922.

Mr. Dale is survived by his wife and one son Eldon 16 years old; also three brothers and two sisters who reside in Colorado and Missouri.

Funeral services for Mr. Dale were held in Livingston on the 29th and he was buried in his Park Service uniform. Messrs. Emmert, Joffe, Lord, Bauer, Hundley and George Miller, in Park Service uniform, acted as pall bearers and practically the entire Mammoth community journeyed to Livingston to attend the funeral services. Special services at the grave were conducted by the Masonic Lodge, of which Mr. Dale was a member.

Yours very truly,

J. W. Emmert,
Acting Superintendent.

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arthur Hall of F. . Hall Company in Gardiner died in the Lost Hospital in
Livingston, Montana on April 24 after an illness of about ten days. Mr. Hall
was one of four sons of F. . Hall, a pioneer merchant at the north entrance
of the park. Funeral services were held in Bozeman on the 26th and many
people attended. Mrs. Tolle also has members at the services.

The Park was awakened on April 27th through the passing of Chief
Dispatcher Charles Dale who died at the park hospital in Livingston or that
date following an illness of several days. Mr. Dale was stricken on the
evening of April 17th and was removed to the hospital in Livingston the next
night. The cause of death was inflammation of the liver. Mr. Dale was born
at Glasgow, Missouri on March 3, 1881 and held the position of chief dis-
patcher with the National Park Service in Yellowstone since 1919, having
entered the service of the National Park Service here in June, 1913.

Mr. Dale is survived by his wife and one son Allen 19 years old; also
three brothers and two sisters who reside in Colorado and Missouri.

Funeral services for Mr. Dale were held in Livingston on the 29th and
he was buried in his Park Service uniform. Bearers, Messrs. Fritz, Lord, Sauer,
Dudley and George Miller, in park Service uniform, acted as pall bearers and
practically the entire Mammoth community journeyed to Livingston to attend
the funeral services. Special services at the grave were conducted by the
Masonic Lodge, of which Mr. Dale was a member.

Yours very truly,

J. A. Hamrick,
Acting Superintendent.

10-157
(c., 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Yellowstone National Park for the month of April, 1936

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
VATE TRANSPORTATION:						
s first entry, ...	348	2860	80	1411	1449	102.7
s reentry, ...	43	2125		958	1167	121.8
orcycles, ...		2		3	-1	-33.3
otal motor vehicles, ...	391	4985	80	2372	2613	110.1
sons entering via motor icles, ...	1071	13151	230	6898	6253	90.6
sons entering via other vate transportation, ...		40		44	-4	-9.0
otal persons entering via rivate transportation, . . .	1071	13191	230	6942	6249	90.0
ER TRANSPORTATION:						
sons entering via stages, .	4	9	7	12	-3	-25.00
sons entering via trains, .						
sons entering otherwise, . .						
otal other transportation, .	4	9	7	12	-3	-25.0
ND TOTAL ALL VISITORS, . . .	1075	13200	237	6954	6246	89.9

	This Year	Last Year	Increase	
			Number	Percent
omobiles in public camps during month, ...				
ers in public camps during month, ...				

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

[illegible] National Park for the month of [illegible], 1933.

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
E TRANSPORTATION:						
irst entry,	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	102.7
eentry,	[illegible]	[illegible]		[illegible]	[illegible]	121.6
vcles,		[illegible]		[illegible]	-[illegible]	-[illegible]
motor vehicles,	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	110.1
s entering via motor es,	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
s entering via other e transportation,		40	[illegible]	[illegible]	-[illegible]	-[illegible]
l persons entering via te transportation,	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION:						
s entering via stages,	4	9	7	12	-[illegible]	-[illegible]
s entering via trains,						
s entering otherwise,						
other transportation,	4	9	7	12	-[illegible]	-[illegible]
OTAL ALL VISITORS,	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

	This Year	Last Year	Increase Number	Increase Percent
ies in public camps during month,				
s in public camps during month,				

0-160

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Yellowstone National Park for the Month of April, 1936

	This Year	Last Year
ark revenue on hand beginning of month,	-0-	-0-
eceived,	$ 50.44	$588.31
Total,	$ 50.44	$588.31
emitted,	50.44	541.31
n hand close of month,	-0-	$ 47.00

ark revenues received this year to date,	$275,141.13
ark revenues received last year to date,	207,147.94
Increase,	67,993.19
Per cent of increase,	32.823

(9414)

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Park: National Park for the Month of ..... Year: 1951

	This Year	Last Year
Revenue on hand beginning of month	-0-	-0-
Received	$ 00.00	$ [illegible]
Total	$ [illegible]	$ [illegible]
Paid	$ [illegible]	$ [illegible]
Hand close of month	-0-	$ [illegible]

Revenues received this year to date	$ [illegible]
Revenues received last year to date	$ [illegible]
Increase	$ [illegible]
Per cent of increase	[illegible]

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y 1931)
(99566)

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Yellowstone National Park for the Month of April, 1936

	This Month				This Month Last Year			
	Appointed		Non-Appointed		Appointed		Non-Appointed	
ber of employees beginning of month	*	94	Reg. PW	27 0		95	Reg. PW	20 22
ber of additions	Reg.	3	Reg. PW	31 4	PW Reg.	1 2	Reg. PW	49 12
'otal		97	Reg. PW	58 4		98	~~xxx~~.	103
ber of separations	Reg.	1	Reg. PW	5 0	ECW Reg.	1 1	Reg. PW	10 21
ber of employees close of month	**	96	Reg. PW	53 4		96		72
ber of promotions during month		0				0		
regate amount of annual leave taken	Reg. PW ECW	127-27/28 8 65-1/2			PW ECW Reg.	1 48-1/2 175		
regate amount of sick leave taken	Reg. PW	16 1/2			Reg.	9-1/2		
regate amount of leave without pay	Reg.	3			ECW PW	56 4		

*Includes 77 Regular, 15 ECW and 2 PW employees.

**Includes 79 Regular, 15 ECW and 2 PW employees.

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Yellowstone National Park for the Month of April, 1964

	This Month				This Month Last Year			
	Appointed		Non-Appointed		Appointed		Non-Appointed	
Number of employees beginning of month	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Number of additions	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Number of separations	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Number of employees close of month	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Number of promotions during month		0				9		
Aggregate amount of annual leave [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aggregate amount of sick leave taken	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aggregate amount of leave without pay	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

*Includes 77 regular, 16 SCT and 2 TT employees.

**Includes 77 regular, 16 SCT and 2 TT employees.

10-162

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

Yellowstone National Park for the Month of April, 1936

	This Month	This Month Last Year	Increase	Per cent Increase
LOCAL BUSINESS				
Miles of circuit maintained,	604	582	22	3.78
No. of telephones connected,	252	225	27	12
No. of measured service calls,				
No. of other local calls,				
Total No. of local calls,	7644	6414	1230	19.17
Peak load in calls per day,	391	344	47	4.197
Receipts from measured service calls,				
" " coin boxes,				
" " telephone rental,				
TOTAL RECEIPTS				
LONG DISTANCE BUSINESS				
No. Outbound calls,	91	124	- 33	
No. Inbound calls,	111	126	- 15	
TOTAL LONG DISTANCE CALLS				
Peak load in calls per day, out	11	7		
Peak load in calls per day, in	8	10		
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 - [illegible]

[illegible] Yellowstone ..... National Park for the [illegible] month, 1[illegible]

	This Month	This Month Last Year	Increase	Per Cent Increase
[illegible]CAL BUSINESS				
[illegible]ber of stations maintained.	[illegible]	[illegible]	[illegible]	[illegible]
" of telephones connected.	[illegible]	[illegible]	[illegible]	[illegible]
" of measured service calls.				
" of other local calls.				
[illegible]tal No. of local calls.	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]ak load in calls per day.	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]ceipts from measured service calls				
" " coin boxes.				
" " telephone rental.				
TOTAL RECEIPTS				
[illegible]G DISTANCE BUSINESS				
Outbound calls.	[illegible]	[illegible]	[illegible]	[illegible]
Inbound calls.	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL LONG DISTANCE CALLS				
[illegible]ak load in calls per day	[illegible]	[illegible]	[illegible]	
[illegible]ceipts from Long Distance business.	[illegible]	[illegible]	[illegible]	
[illegible]LEGRAPH BUSINESS				
[illegible]ssages via Western Union.				
[illegible]ssages via				
TOTAL MESSAGES				
[illegible]ceipts from telegraph business.				
[illegible] of money transfer messages.				
" " " receipts.				
[illegible]TAL RECEIPTS, TELEPHONE & TELEGRAPH DEPTS				

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

Yellowstone National Park for the Month of April, 1936

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
Current generated,	64,000	255,124	61,452	251,911	3213	1.275
Sold to park operators,	287	1,320	625	1,958	- 638	32.58
Sold to others,						
Furnished to other Governmental agencies,						
Used by National Park Service						
lost in transit, etc.,	63,713	253,804	60,827	249,953	3851	1.54
Total current generated,	64,000	255,124	61,452	251,911	3213	1.275

Amount receivable from the sale of electricity, $ 14,35

* Indicated by K. W. H.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

[illegible]

[illegible] Fiscal Year (or Use Month) [illegible], 1966

Disposition	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Increase (or decrease) over last year	Percent
[illegible]urrent generated	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]old to park operations	[illegible]	7,[illegible]	[illegible]	[illegible]	[illegible]	- [illegible]	[illegible]
[illegible]old to others							
[illegible]urnished to other Government agencies							
[illegible]sed by National Park Service							
Lost in transmission	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total current generated	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]mount repaid [illegible] [illegible]

[illegible] Indicated by A B C

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

April 27, 1936

Circular No. 7.

The increased number of automobiles in use in Mammoth during the summer season makes it necessary that the parking of employees automobiles be conducted in an orderly and systematic manner, in order to avoid interferance with tourist travel, official park business, and upkeep of the grounds.

At the present time the parking area directly north of the barn will accomodate all employees cars, both permanent and per-diem, for which garages have not been assigned, and it is requested that this area be used in preference to other areas in the vicinity of the garage, the Barracks building, the Storehouse, etc. Lights are to be installed in this parking area and the area will be patrolled hourly by the nightwatchman, in order to insure against theft of gasoline and accessories. This parking area will be marked off into definite parking units and each unit will be numbered. Parking units will be assigned from the Chief Ranger's Office, and applications for parking space should be made there.

It is further requested that employees do not park their cars on the north side of the Post Office nor directly in rear of the Barracks building, for extended periods of time. The area to the north of the Post Office is reserved for tourist use, and should be considered as such and not as a parking and storage space for employees cars. Parking in the rear of the Barracks building will be restricted to daylight parking only.

"NO PARKING" and "RESERVED FOR OFFICIAL USE" signs should be rigidly observed and complied with by all employees.

J. W. Emmert
Acting Superintendent

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

****

1936

REPORT

OF

DEER AND ANTELOPE

CENSUS

****

Prepared by:
Curtis K. Skinner
Acting Assistant Chief Ranger

Approved by:
Francis D. LaNoue
Acting Chief Ranger

1936

REPORT OF DEER AND ANTELOPE CENSUS

On March 19, 1936, and again on April 2, 1936, attempts were made to secure an accurate count of the deer and antelope wintering along the northern range of Yellowstone National Park.

Neither of these counts was fully successful. On the first date, an important section of the range was not counted because of misunderstanding regarding one of the counting unit boundaries. On the second date, it is believed that the deer and antelope had been feeding during the moonlight hours of the night and by daylight many of the animals were bedded down in ravines and sagebrush areas where it was difficult to make a complete count. In many instances it was necessary for the observer to approach within a few feet of the animals before they could be seen and counted.

However, since the best count available was obtained on the latter date, April 2, 1936, figures for the census made on that date are given below. Estimated numbers are also given.

In outlying districts, such as Hellroaring, Soda Butte, Tower Falls, etc., the deer and antelope were counted on March 18 and 19, in conjunction with the annual elk census. In such outlying districts there was no subsequent movement of the animals to the lower areas because of deep snow and the figures obtained can be added to those secured for the Mammoth, Gardiner, Reese Creek and Mt. Everts areas without fear of duplication.

Deer and Antelope Count of Three Lower Districts
April 2, 1936

AREA	OBSERVER	DEER		ANTELOPE	
Mammoth	West	41		0	
	Skinner	109		4	
	Coleman	61		0	
	TOTAL		211		4
Gardiner-Reese Cr.					
	Grimm	285		238	
	Walker	17		80	
	TOTAL		302		318
Mt. Everts					
	Jay	10		14	
	Dart	0		70	
	TOTAL		10		84
GRAND TOTALS FOR 3 DISTRICTS			523		406

****

Actual Counts Made in Outlying Districts
March 18, 19, 1936

AREA	DEER
Hellroaring	40
Soda Butte	15
Lamar Canyon	9
Tower Falls	19
Crevice	16
TOTAL OUTLYING DISTRICTS	99

SUMMARY OF DEER AND ANTELOPE CENSUS 1936

COUNTING AREA	DEER		ANTELOPE	
	Seen	Estimated	Seen	Estimated
Mammoth	211	232	4	4
Mt. Everts	10	13	84	84
Gardiner-Reese Cr.	302	392	318	515
Hellroaring	40	40		
Soda Butte	15	15		
Lamar Canyon	9	9		
Tower Falls	19	19		
Crevice	16	16		
TOTALS	622	736	406	603

****

SUMMARY OF DEER COUNT FOR ENTIRE PARK

COUNTING AREA	SEEN	ESTIMATED
Northern Range	622	736
Old Faithful	33	33
Madison Junction	4	4
Bechler River	3	3
Gallatin	11	11
TOTALS	673	787

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

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

APRIL, 1936.

The mean temperature for the month was 38.5°, or 1.5° above the normal. April, 1935 had a mean temperature of 33.4°, and April, 1934, 44.6°.

The highest temperature during the month was 71°, on the 18th. The lowest temperature was -8°, on the 1st. The temperature, -8°, was the lowest on record for so late in the season, as was the -4°, on the 5th. On April 16th, 17th and 18th, the highest temperatures were 69°, 70° and 71°, respectively, and each of these temperatures was the highest on record for so early in the season. The unseasonably cold temperatures experienced during the latter part of March extended until April 9th. From April 11th to the 22nd was a period of rather high temperatures, and caused very rapid melting of the snow cover on the ground. The last 8 days of the month had near normal temperatures.

Precipitation during the month was 1.64 inches, or 0.18 inch above the normal. Most of it fell during the last 10 days of the month. Total snowfall during the month was 9.7 inches, and none remained on the ground at the end of the month. Precipitation since the first of the year has been 5.26 inches.

There were 5 clear, 6 partly cloudy, and 19 cloudy days during the month. Precipitation fell on 22 days -- 10 of them having snow -- and 0.01 inch of precipitation fell on 14 days (0.01 or more). The first rain since October, 1935 fell on April 10th. The average wind velocity for the month was 7.9 miles per hour, the lowest since 1930, and the highest velocity attained was 26 miles per hour, from the southwest, on the 22nd. The prevailing wind direction for the month was southwest. The percentage of possible sunshine was 57. Rather low relative humidities were observed from the 12th to the 19th.

A. L. King.

No. 1030—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

MONTHLY METEOROLOGICAL SUMMARY.

ation, Yellowstone Park, Wyo.; month, April, 19 36.

D.	Temperature (Degrees Fahrenheit.) Max.	Min.	Mean.	Precipitation. (In inches and hundredths.)	Character of day.	% of possible sunshine
1	15	-8	4	.01	Cloudy	62
2	22	3	12	T	Cloudy	40
3	29	14	22	.11	Cloudy	2
4	26	6	16	.06	Cloudy	8
5	31	-4	14	0	Pt.Cldy	83
6	39	19	29	T	Cloudy	12
7	37	31	34	.01	Cloudy	8
8	39	22	30	.05	Cloudy	34
9	40	14	27	T	Cloudy	27
10	46	30	38	T	Cloudy	33
11	53	36	44	T	Cloudy	56
12	62	33	48	0	Clear	100
13	64	38	51	T	Pt.Cldy	98
14	59	38	48	0	Cloddy	51
15	62	31	46	0	Clear	100
16	69	29	49	0	Clear	100
17	70	34	52	0	Clear	100
18	71	33	52	0	Clear	99
19	70	38	54	T	Pt.Cldy	78
20	59	38	48	0	Cloudy	69
21	64	37	50	.01	Cloudy	43
22	66	39	52	.15	Cloudy	76
23	52	36	44	.19	Cloudy	16
24	59	33	46	.42	Cloudy	65
25	49	35	42	.05	Pt.Cldy	37
26	51	32	42	.09	Cloudy	36
27	49	28	38	.05	Cloudy	56
28	42	27	34	.39	Cloudy	41
29	55	31	43	.05	Pt.Cldy	73
30	57	31	44	T	Pt.Cldy	100
				Total.		
m	50.2	26.8	38.5	1.64		57

ATMOSPHERIC PRESSURE.
(Reduced to sea level; inches and hundredths.)

Mean 30.087; highest 30.42, date 9
lowest 29.58, date 3

TEMPERATURE.

Highest 71, date 18; lowest -8, date 1
Greatest daily range 40, date 16
Least daily range 6, date 7

MEAN FOR THIS MONTH IN—

1871	82		93	31.0	04	38.7	15	45.0	26	40.6
1872	83		94	38.0	05	37.3	16	38.4	27	33.9
1873	84		95	--	06	38.2	17	30.6	28	33.3
1874	85		96	34.2	07	34.2	18	32.9	29	34.0
1875	86		97	37.9	08	39.4	19	39.4	30	43.8
1876	87	38.9	98	40.5	09	30.8	20	30.6	31	37.8
1877	88	42.8	99	35.8	10	43.2	21	34.6	32	36.6
1878	89	42.8	00	42.0	11	34.2	22	33.2	33	35.0
1879	90	39.0	01	35.6	12	36.1	23	34.8	34	44.6
1880	91	40.8	02	36.6	13	38.3	24	35.6	35	33.4
1881	92	32.3	03	36.8	14	38.0	25	40.2	36	38.5

Normal for this month 37.0
Absolute maximum for this month for 49 years 77
Absolute minimum for this month for 50 years -8
Average daily excess (+) or deficiency (−) of this month as compared with the normal +1.5°
Accumulated excess (+) or deficiency (−) since January 1 -279°
Average daily excess (+) or deficiency (−) since January 1 -2.3°

PRECIPITATION.

Total this month 1.64; snowfall 9.7
Greatest precipitation in 24 hours 0.41, date 27-28
Greatest 24-hour snowfall 4.2, date 28
Snow on the ground at end of month 0.0

TOTAL PRECIPITATION THIS MONTH IN—

1871	82		93	0.97	04	0.96	15	1.29	26	1.38
1872	83		94	1.87	05	1.52	16	1.05	27	1.53
1873	84		95	0.61	06	1.24	17	2.64	28	1.51
1874	85		96	1.29	07	1.12	18	1.59	29	1.48
1875	86		97	1.21	08	0.88	19	1.41	30	0.62
1876	87		98	0.95	09	0.81	20	1.33	31	0.95
1877	88		99	2.30	10	1.19	21	1.70	32	1.06
1878	89	0.92	00	1.93	11	1.40	22	1.15	33	0.91
1879	90	1.39	01	1.08	12	2.24	23	1.81	34	1.14
1880	91	0.18	02	2.14	13	1.21	24	0.95	35	2.07
1881	92	0.92	03	0.80	14	1.49	25	1.95	36	1.64

Normal for this month 1.46
Excess (+) or deficiency (−) of this month as compared with the normal +0.18
Accumulated excess (+) or deficiency (−) since January 1 -0.86

MEAN RELATIVE HUMIDITY (Percentage).

6 a. m., 78.3; local noon, 46.0 6 p. m. 52.2

WIND.

Prevailing direction SW; total movement 5,719 miles; average hourly velocity 7.9; maximum velocity (for five minutes) 26 miles per hour, from SW on 22
Maximum wind velocity this month since 1904
(By three-cup anemometer) 38 SW 1922.
(True Velocity)

WEATHER.

Number of days, clear 5; partly cloudy 6; cloudy 19
on which .01 inch, or more, of precipitation occurred 14

MISCELLANEOUS PHENOMENA (dates of).

Auroras None; halos: solar 8, 19, 21, 24 lunar None
Hail 29; sleet 24; fog 1t. 8, 24
Thunderstorms 22
*Frost: light --; heavy --; killing --

tal degree days this month: 797

NOTE.—"T" indicates trace of precipitation.

4-36-75

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

west observed relative humidity, %, on 17th, local noon.

A. L. King
Weather Bureau.

1650 GOVERNMENT PRINTING OFFICE

Form No. 1030—Met'l.

U. S. DEPARTMENT OF AGRICULTURE.

WEATHER BUREAU.

MONTHLY

METEOROLOGICAL SUMMARY.

STATION

MONTH

....., 19

8—1650 U. S. GOVERNMENT PRINTING OFFICE: 1929

Yellowstone Park, Wyo.

May 4th, 1936.

WORK REPORT FOR April 1936.

Electrical:

Extended wireing for lights in Building # 38. Adding seven sixty watt lamps fo Rangers Fire Cash.

Extended Street lighting circuit, and enstalled two street light brackete for lighting up the parking area for N P S employees private cars, just north of Stable.

Enstalles red light on top of telephone building, for the use of opperator calling night watchman.

Repaired water level gauge at resorvoir.

Communication

Cleaned up and put in new cable in Lake Switch Board.

Patrolled and cleared Telephone lines from Mammoth to Old Faithful. and from Madison JC. to west Yellowstone, also from Norris to Lake.

Enstalled ten station inter communicating telephone system in Administration Bldg. Museum, and E. C. W. Office.

C. M. Rector,

C. M. Rector,

Report of Captain [illegible] Spring/96

[illegible] and set [illegible] new and
well sawed and repaired. [illegible]
[illegible]

[illegible] new [illegible] and sanded the
floors and repaired windows [illegible]
[illegible] stations.

Installed new [illegible] door in Quartermaster's
Department office

Took down all the stoves [illegible] on
the Wounded Ship and [illegible]
[illegible] window screens and
[illegible] repaired several locks [illegible]
[illegible] the Town [illegible]
[illegible] and [illegible]
[illegible] to cover [illegible]
[illegible] the [illegible]
Repaired several [illegible]
[illegible]
[illegible] up 6 tents and [illegible] for Post
[illegible]

[illegible] Bowman

Ans C

[illegible]

[illegible]

the [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] and [illegible]

the White [illegible], conductor [illegible]

was [illegible] of

[illegible] her

trash and [illegible]

the screen on account

[illegible] [illegible]

[illegible] [illegible]

[illegible] the motor.

[illegible] [illegible] to [illegible]

Portland [illegible]

[illegible] [illegible]

[illegible]

Sewer [illegible]

1. [illegible]

[illegible] the [illegible]
Commission [illegible]
able [illegible]
ne Vacuum [illegible]
[illegible] 15 [illegible]
[illegible]
the [illegible]
ure [illegible]
[illegible]
[illegible]

Heating System

1, a [illegible]
le [illegible]
with all [illegible] heating [illegible]
heating the Academic [illegible]
Administration Building [illegible]
of the Boilers and [illegible]
four coal fired [illegible]
for heating [illegible] Boiler

Garage, Power House and Machine
Co. shops [illegible]
dair to [illegible]
Scrub [illegible]
Hamer.

Fence [illegible]
and roading [illegible]

Irrigation

Cleaning [illegible] Gardner
[illegible] Tarawera [illegible]
Buildings, [illegible]
Engineers [illegible], Administration
Building, [illegible]
Trust Co. Barracks [illegible]
School [illegible]

Buildings.

Plumbing work & [illegible]
Systems, [illegible]
miscellaneous [illegible]

E.P. [illegible]

[illegible]

Cottage Lists.

Lower Falls

[illegible]

Mr. Faithful, Pleasant [illegible]
Illinois.

[illegible]
with Grande Ronde.

May 1, 1936.

MEMO FOR MR. EMMERT:

The following trucks were overhauled during the month of April.

Dodge No. 510, Dodge 517, GMC 519, Ford 518, Chev. 522, Chev. 534, Chev. 547, Chev. 548, Chev. 552, White 561, White 563, Chev. 570, Dodge 1201 and Dodge 1208. ECW No. 8746, Chev. Coupe issued to Mr. Lord was overhauled.

Motor Patrol graders No. 10 and No. 15 were overhauled.

Seven trucks were painted during the month.

A new freight body and horse rack was manufactured for truck No. 549.

Considerable time was spent in getting equipment out of storage for maintenance work. The usual maintenance of equipment in operation has gone forward.

R. R. Robinson
M.M.

Yellowstone Park. Wyo.

May 4th, 1936.

REPORT OF TELEPHONE & TELEGRAPH BUSINESS FOR THE MONTH OF APRIL 1936.

	This Month	This Month Last Year.	Increase	Percent
Miles of circuit maintained --- ------	604	592	22	3.78
No. Tel. connected	252 268	225	27	11.1
No. Calls measured				
No. Local calls				
Peak load in calls				

C. M. Rector.

C. M. Rector,

Yellowstone Park, Wyoming.
May 1, 1933.

MEMORANDUM

The following report of activities under the supervision of Engineering for the month of April is submitted.

No.170-Maps, Plans, and Surveys:

The engineering force was the same as reported for the preceding month and activities were routine. Two final construction reports were prepared and forwarded during the month and partial data worked up for two additional reports. The year round position of Assistant Engineer was approved during the month and a register for the position requested from the Civil Service Commission.

No.200-Road Maintenance:

Snow removal under double shift operation continued throughout the month and the sections to West Yellowstone, Old Faithful, and Canyon are now open to travel. The crews have also cleared to West Thumb on the South Entrance section but all of this distance is over newly constructed grade and too wet and unstable to permit of public travel until some maintenance work has been done.

The permanent maintenace crew was established at Mammoth on April 17, this crew to care for the headquarters section and any emergency work on adjacent sections. Temporary crews for emergency heavy maintenance were placed at Old Faithful and Canyon. The work of the Old Faithful crew consists principally of grade stabilization at the Firehole River bridge about one mile north of Old Faithful and that of the Canyon crew is drainage work between Canyon and Lake. Several hundred yards of material sloughed from the heavy fill near the Volcano on the Canyon-Lake section but there is still sufficient roadway for safe travel.

The West Gallatin section was cleared of snow by the Montana State Highway Commission with their own equipment and at their own expense and opened to traffic on April 25.

No.230-New Construction:

F.P.398, Water and Power Development, Mammoth:- Work of installing and connecting water to the several Utility Operators units was started April 13. This is a force account item of the project under the direct supervision of the Master Plumber. A complete servicing and overhaul of the gasoline standby unit was made by the mechanical department.

C. R. [illegible]

United States
DEPARTMENT OF THE INTERIOR
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming

STOREHOUSE REPORT OF OPERATIONS, INCLUDING
BRIEF SUMMARY OF THE MAJOR EQUIPMENT AND
SUPPLIES RECEIVED DURING THE MONTH OF

APRIL, 1936

The following shipments were received and handled by the Storehouse:

Carload shipments:

4 carloads - - - - Coal
2 carloads - - - - Gasoline
1 carload- - - - - Cement

L/C/L shipments:

1 shipment	10 bales rags - - - -	1076 lb.
1 shipment	6 cyl. chlorine- - -	1655 lb.
1 shipment	50 cases kerosene - -	4380 lb.
1 shipment	25 sacks potatoes - -	2514 lb.
1 shipment	14 pcs. pipe fittings	2181 lb.
1 shipment	16 cases emergency rations - - - - -	2240 lb.
1 shipment	28 drums grease - - -	9289 lb.
1 shipment	12 iron frames and covers - - - - -	2400 lb.

The regular grocery inventory has been taken. There are four mess halls in operation, Mammoth, Buffalo Ranch, Snow-plow, and Old Faithful maintenance crew. The entire mattress stock has been fumigated as well as Buildings 43 and 44. The property inventory has been completed and various surveys put through and completed. A reconciliation with the control figure will be made on May 1, 1936.

W. A. Wright
Storekeeper

cc:JWEmmert
BAHundley
Miss Goettlich
WAWright

United States
Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming

PRESERVATION REPORT OF OPERATIONS, PROCEEDING
WITH CONSENT OF THE ALLOTTEE AUTHORITY AND
SUPPLIES DETAILED UNDER THE AUTHORITY OF

APRIL, 1966

The following shipments were received and checked in the
Storehouse:

Carload Shipments:

4 carloads - - - - Coal
2 carloads - - - - Gasoline
1 carload- - - - - Cement

L.C.L. Shipments:

1 shipment 10 bales rags - - - - 1000 lb.
1 shipment 8 gal. glycerine- - - 1000 lb.
1 shipment 40 cases varnish - - 4000 lb.
1 shipment 20 boxes soaplock - - 2015 lb.
1 shipment 14 pcs. pipe fittings 8111 lb.
1 shipment 12 cases soap powder
total - - - - - 5000 lb.
1 shipment 30 drums lubrication - - - 2000 lb.
1 shipment 12 drums tractor oil
total - - - - - 4000 lb.

The regular grocery inventory has been taken. There are four case mails in operation, namely, Buffalo Ranch, Canyon-Lake, and Old Faithful Administrative area. The entire perishable stock has been replenished as well as facilities in and at. The grocery inventory has been completed and various surplus put through and reclaimed. A reconciliation with the central fiscal will be made on May 1, 1966.

E. L. Taylor
Storekeeper

cc:Superintendent
Quarterly
Area Operations
Yellowstone

MONTHLY REPORT
(Rough Draft)

20: General weather conditions.

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

021: In the Park

Weather conditions throughout the park have been generally mild during this month, with the exception of the first nine days of the month which were characterized by a record breaking cold wave. This was immediately followed by unusually warm weather, which prevailed during the remainder of the month. Precipitation during April was somewhat above normal. The abnormally high temperatures, which prevailed during the ~~month~~ latter part of the month, caused the snow, over the entire park, to melt rapidly.

The work of opening the roads was started early in the month and by April 30 the highway from Mammoth to West Yellowstone, Old Faithful and Canyon was clear of snow and in a condition to permit general travel. The highway between Canyon and Lake Junctions has been cleared of snow but is not in condition to permit general traffic.

022: Approaches to the park.

The South Entrance approach road has been opened up as far as Moran, Wyoming and it is expected that the stretch between Moran and the South Gate will be passable within the next two weeks.

The approach to the East Entrance is open to a point within three miles of the Park boundary but no further attempts have been made to clear the last three miles because it is not expected that the road over Sylvan Pass will be open to travel until May 20th, or later.

The Montana State Highway Department opened the approach road to West Yellowstone, via the Madison River, on April 22. On April 25

the Montana snow plow returned to Bozeman, Montana, by way of Gallatin and opened the Gallatin highway. This approach is in very poor condition at th the present time and heavy trucks have been prohibited. The road from Ashton, Idaho to West Yellowstone was opened to travel on April 28.

The Approach to the North entrance has been free of snow during the entire month, however it has been rough and at times quite soft.

No attempts have been made to open the Redlodge-Cooke City approach, but the road to Cooke City, through the park, has been broken open and is now passable to light vehicles.

023: In nearby states.

Weather conditions in the nearby states has been comparable to that of Yellowstone Park. Practically all of the highways at lower elevations have been maintained in good condition throughout the month, with hardly any stormy weather to interfere with traffic. Most of the high mountain passes have been cleared of snow, and practically all of the highways are now in passable condition.

410: Ranger, Naturalist and guide service:

Protection Department ~~activities during~~ work, during April, has consisted of protection patrols on skis and snowshoes, highway patrols and patrols and information service at Old Faithful. Some time was devoted to general cleanup of stations, supervision of trail maintenance, game counts and observations, supervision of seeding and cultivation of barren lands on the Game Ranch area, feeding of buffalo and elk, maintenance of the government horse herd, and other pertinent duties. Several members of the Protection Department permanent personnel were away on annual leave during part of the month.

One temporary ranger was employed during this month to patrol and protect the Old Faithful area. In past years this area, expecially Old Faithful cone, has suffered considerable damage at the hands of pre-season visitors, and it was considered necessary and advisable to ~~put~~ institute additional protection measures at this point to keep visitors from writing on and chipping the formations.

Acting Chief Ranger LaNoue ~~spent~~ made a trip to Casper, Wyoming to represent the National Park Service in a meeting of Wyoming officials who met for the purpose of discussing conservation matters. Some time was also devoted to conferences with Montana State Game Officials regarding policies to be followed in future elk reductions and management of ~~future~~ hunting areas which are directly adjacent to the park. The remainder of his time was devoted to office work and field inspections in the interior of the park.

Acting Assistant Chief Ranger Elliott devoted most of his time to matters concerned with the administration of the Chief Ranger's Office. Some time was spent on law enforcement matters, checking Protection Department supplies and equipment, field inspections to the interior of the park, inspections of buildings for fire hazards, and fire drills.

Acting Assistant Chief Ranger Barrows spent most of his time during the month in supervision of work on the forest nursery, completion of the type map, moving and arranging of forest fire fighting tools, mapping and inspecting areas in which trees have suffered from winter drying, and field inspections to various points in the park.

Acting Assistant Chief Ranger Skinner has devoted most of his time this month to completion of the elk reduction report, game counts, supervision of trail maintenance work, and general inspection trips to various points in the park.

60: Birds:

This month has seen the arrival of almost all of the migratory birds which make Yellowstone Park their summer home. Water fowl have been observed in increasing numbers and it has been reported that geese and ducks are now nesting in many places. One pair of Trumpeter Swan have been observed nesting on Trumpeter Lake, however most of the other lakes in the park which provide nesting places for waterfowl are still frozen over. It is believed that the unusually warm weather, experienced this month, has cau caused premature nesting of some species and individuals.

470: Animals:

Most of the game animals have left the lower winter range and have followed the snow lint back up to the lower levels of the high summer range.

With severe weather conditions prevailing during the latter part of March, it was expected that the elk and deer herds would suffer from lack of forage and a heavy winter kill would result. Favorable weather conditions, however, caused the snow to melt quite rapidly and forage plants to make a rapid early growth. All game gaam animals survived the critical period in excellent condition and the winter kill was considerably below normal at the time the migration back to the summer range started.

A deer and antelope count was conducted during this month and a copy of the report covering this count is attached herewith.

Bears have been reported out of hibernation in all sections of the park, however, they have caused no damages to date. On one ocassion several persons were eye witnesses to an attempted elk kill by a grizzly. This occurred in the vicinity of Fountain Paint Pots and it is believed that if the bear had been left unmolested that a kill would have resulted.

Five wolves were seen and reported in the vicinity of Old Faithful. Several freshly killed elk carcasses found in this vicinity seem to bear out the report that the animals seen were actually wolves instead of coyotes.

510: Increase or decrease in travel

Travel, during April, amounted to 391 vehicles and 1071 passengers as compared with 80 vehicles and 230 passengers for April, 1925. Part of this increase is attributed to the fact that the Old Faithful and West Yellowstone highways were opened to general travel on April 19. This is about one month earlier than these sections of road were opened last year.

The total travel to date amounts to 4985 motor vehicles and 13,200 visitors as compared with 2372 motor vehicles and 6954 visitors representing the pre-season travel to date in 1935. This represents an increase of 110.0 percent of motor vehicles and 89.9 percent of park visitors, to date.