10-23

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

Yellowstone NATIONAL PARK

FILE NO. 143

MONTHLY REPORTS

April, 1927

APRIL, 1927.

May 4, 1927.

Dear Sir:

The following is my report on conditions in Yellowstone National Park, and on the activities of the National Park Service, for the month of April, 1927:

000 - General

Superintendent Albright was absent from the park during the entire month in connection with his duties as Assistant Director (Field), and in his absence Mr. Leroy Hill was acting, except for a couple of days (April 12 and 13) when he was on annual leave. In Mr. Hill's absence Mr. Joffe was Acting Superintendent.

Road Conditions: There were no roads open to motor travel beyond park headquarters prior to May 1st. However, on May 1st a work crew employed by Mr. J. E. Haynes, park concessioner, went through with a truck from park headquarters to his store at Tower Falls, and on May 2nd Mr. C. A. Hamilton, park concessioner, traveled by motor truck from Old Faithful to West Yellowstone. These roads are not in good condition, but they are passable for necessary travel between these points. The Cooke City road has been passable for motor trucks as far as Soda Butte since May 1st. The Cody road will be opened to Sylvan Pass Station at an early date. The first car arrived at Pahaska Inn on May 2nd. The Gallatin highway was opened to auto travel to Gallatin Station during the last week of April and efforts are now being made to open the road between West Yellowstone and Ashton, Idaho, at an early date. The snow is receding rapidly between Snake River station and Moran, Wyoming. There are some washouts along Pacific Creek that are now being repaired. The road will be opened to auto travel to Snake River station at an early date. The park highways extending from the loop road to Sylvan Pass and Snake River stations will probably not be opened to travel before June 15th.

Dec 4, 1957.

Dear Sir:

The following is my report on conditions in Tallahassee National Park, and on the activities of the National Park Service, for the month of April, 1957:

Fire - Lookout

Superintendent Allardyce was called from the park during the month to testify in connection with his duties as Assistant Director (Field), and in his absence Mr. Jerry Gill was acting. Jerry fire a course of large Lyrik 12 and 13. Used to use on annual leave. In Mr. Gill's absence Mr. Avery was acting Superintendent.

Land Acquisition - Both tracts of roads open to public travel across park boundaries were taken by Jay Ian. However, on May Ian's tract were employed by Mr. L. Tilghman park superintendent, and Kennedy also a local area park superintendent in his stead at Sewell Hills, and on the 2nd Mr. L. Tilghman, park superintendent, invited by motor break down old Jackson in Ian Tallahassee. Tracts roads are not in good condition, but they are passable for necessary travel between these points. The Jones City road has been repaired for some tourist on the Ian tract. Ian tract will be opened to public for visitation as early date. The Jones City road will be opened to public for visitation as early date. The Jones City road arrived if Tuesday Ian on May 2nd. The Jackson Highway was opened to auto travel in Allahassee Jackson County the last week of April and Jackson and Mr. Jerry Gill to open the road National Park Tallahassee and Jackson County, of an early date. The site is tourist monthly average Tuesday Ian. Fire fighting and Jackson County. There are some temporary along Tallahassee Jackson Ian are available inquiries. The road will be opened to auto travel by Jackson County employees at an early date. The park highway extension from the Jackson County road to Sewell Hills and Tuesday Ian road. Ian Jackson will probably not be opened to travel before June 15th.

100 - Administrative

120 - Park inspections by

123 - National Park Service officers: Mr. Noble J. Wilt, Accountant of the National Park Service, who was here assisting with the installation of the new bookkeeping system, left on April 13th. Mr. Moen of Crater Lake National Park and Mr. Oscar W. Carlson of Mt. Rainier National Park, who were here for instruction in the new system of accounting, left for their parks on April 10 and April 12 respectively.

124 - Other Interior Department Officers: Inspector William A. Blossom of the Interior Department and Mr. Felix M. Cristofano of the General Accounting Office, who were here giving instruction in the installation of the new system, left here on April 13th. They went to Rocky Mountain Park from here.

[illegible] - [illegible]

[illegible] - [illegible]

[illegible] - [illegible]

[illegible] - [illegible]

[illegible] - [illegible]

130 - Finance and accounts:

The total amount of the combined appropriations available to Yellowstone National Park for the current fiscal year is $537,472.89. The status of the appropriations for Yellowstone National Park as of April 30th is as follows:

APPROPRIATION 46433 YELLOWSTONE NATIONAL PARK, 1926.

	Allotments	Expended	Balance
Previously reported	353,083.00	352,903.85	179.15
Expended during April			
	353,083.00	352,903.85	179.15

APPROPRIATION 46/47433 YELLOWSTONE NATIONAL PARK, 1926-27

Previously reported	28,700.00	27,341.21	1,358.79
Expended during April		4.53	4.53
	28,700.00	27,345.74	1,354.26

APPROPRIATION 47433 YELLOWSTONE NATIONAL PARK, 1927

Previously reported	340,586.00	282,790.05	57,795.95
Expended during April		20,656.03	20,656.03
	340,586.00	303,446.08	37,139.92

APPROPRIATION 4x436 ROADS AND TRAILS, NATIONAL PARKS

Previously reported	137,876.37	103,261.61	34,614.76
Expended during April		8,676.21	8,676.21
	137,876.37	111,937.82	25,938.55

APPROPRIATION 47406 INSECT INFESTATION, Nat'l Parks, 1927

Previously reported	2,500.00	1,041.10	1,458.90
Expended during April			
	2,500.00	1,041.10	1,458.90

APPROPRIATION 48/47433 YELLOWSTONE NATIONAL PARK, 1927-28

(Previously)reported	30,000.00	1,169.27	28,830.73

150 - Equipment and supplies

Employees of the transportation department were engaged during the month in hauling rations and freight from Gardiner to Mammoth (44 tons), hay and oats from Mammoth to ranger station at Gardiner, hay for feeding elk, and gasoline and market supplies from Gardiner to Mammoth. Employees of the storehouse were engaged in receiving and storing supplies and issuing supplies and equipment. Some equipment was painted, also some counters, etc.

200 - Maintenance, Improvements and New Construction

210 - Road maintenance

Road maintenance was started around Mammoth this month on the 28th. The work was more of a try-out of new equipment, but all the roads in Mammoth were reshaped and prepared for the spring travel. New cast steel wheels were received for the Wehr grader and these were put into use.

During the past month our mechanics have been building an oil distributor for experimental purposes and one barrel of oil was applied to a section of the road to try out the machine and also to try out the oil, which was a sample submitted by the Gilmore Oil Company of Los Angeles, Calif., and which was recommended as being a very good dust layer. Due to low temperatures, only a very light application of the oil was made, and only time and traffic will tell us the results.

The road to Tower Falls was opened April 24th and 30th, by the Haynes Company. Some attention was given this road during the week in diverting water and keeping the road from being eroded. The road has come through the month in very good shape and except where there is actually snow is dry and hard and able to take traffic. It will be kept closed to traffic until entirely free of snow.

The mail stage will start May 1st with auto stage to Soda Butte.

220 - Improvements - Buildings:

Carpenter Shop: The two carpenters spent most of the time making or repairing our freight truck bodies. They repaired three bodies this month and worked on two others. Some maintenance was required on different buildings, but this has required but little carpenter work. The remainder of the saws were filed and 10 mess chests were repaired.

Painting Department: The following work was done by the Master Painter during the month: Finished painting, varnishing and paperhanging in dining and living rooms at Dr. Brady's quarters, including painting and varnish-staining of floors; sanded all floors on second floor of Mr. Albright's quarters and refinished same with three coats of varnish; waxed first floor floors and varnished floor and stairway of back hallway in same quarters; New equipment for museum and ranger office varnished and stained; miscellaneous work about Mammoth glazing, etc.

150 - Equipment and supplies

Employees of the transportation department were occupied during the month in handling patrolmen and traffic from Cambiaso to Lincoln Jct. Street, and also from Lincoln to Yonger stations on Cambiaso, day for loading cars, and unloading and receive supplies from Central Station to Stores. Employees of the storerooms were engaged in receiving and storing supplies and issuing supplies and equipment. Some equipment was also received, etc.

200 - Maintenance, Superintendent and Inspectors

220 - Track maintenance

Road maintenance was started around Lincoln Jct. with a crew of 10 men. The work was more of a temporary of one nature, but all the people in Lincoln were employed and prepared for the spring thaw. The men were about ready received for the week ending and there were only 141 men.

During the past month our maintenance have been working on all street-crossings for supplement purposes and our lumpy of oil was applied to a section of the road in the Lincoln and also to try and the oil. which was a single application by the Atlantic Oil Company of New Jersey, Inc., and which was recommended as being a very good dust layer. Due to low temperatures, only a very light application of the oil was made, and only time and weather will be the results.

The work on Tower Hill was opened April 25th and 26th, by the Engineer Company. Good attention was given this road during the work in straighting water and keeping the road from being dusty. The road has been through the month in very good shape and except where there is actually none it has been and able to take traffic. It will be kept closed to traffic until actually free of water.

The dust abate will start day let with more to dust.

300 - Improvements - Building

Carpenter Shop. The new carpenter shop was of the time making or repairing the lights, tools bodies. They repaired three vehicle side seats and painted on the stores. Some maintenance was required on different buildings. Our this has involved one little carpenter work. The roundhouse of the work were filed and to some details were repaired.

Paint Shop. The painting work was done by the carpenter painter during the month. Painted platform, workshop and repairing in lining and fitting seats at Jr. Hugh's quarters. Installing radiator and varnish-staining of Street Hotel all floors on second floor of Jr. Hughes's quarters and of Street Hotel all floors on second floor. Painted three coats of varnish and varnished seat with three coats of varnish, second first floor Street and varnished floor and varnish of book cabinet in same quarters. Equipment for mixed flow and varnish and other varnishes and shellacs. Varnishes work about mixed with proper filler varnishes and shellacs. Varnishes work about Lincoln finishing, etc.

Plumbing department: The following work was done by the plumbing department during the month: Six steam plants and four hot water plants were operated during the month, consuming one cord of wood and 43 tons of coal; repaired refrigerators, camp ranges, Sibley stoves and oil truck; installed two new flush toilets, one in bunkhouse and one in Bachelor Building; installed 5 12" packless radiator valves in Mr. Albright's quarters; repaired sprayers for mosquito control; minor repairs to inside plumbing and heating systems at Mammoth; maintenance to water and sewer systems at Mammoth. Also constructed new concrete manhole in sewer system; repaired wall on new reservoir, the concrete of which had decomposed. 80 x 10 feet of wall was rebuilt, using 16 yds. of concrete and 600 feet of reinforcing steel. Commenced work of mosquito control at Mammoth.

Electrical department: The following work was done by the Electrical Department during the month: Repaired 6 old telephones; cleaned and painted truck; inspected and took down all old wiring and attachment cords in bunkhouse; hung 1 3 KW transformer at Mr. McFarland's quarters; reset 6 street lamp poles.

Garage: The following work was done in the shops and garage during the month: Completely overhauled 1 gravel truck (F.W.D.No. 551), three freight trucks (White No. 536, Mack No. 557 and Ford 541), 1 touring car, No. 12, Mr. Joffe's personal car, 2 motor road graders (Wehr and Russell No. 3), 1 Holt 75 Caterpillar and 6 dump wagons; rebuilt 4 road oil tanks; assembled on F.W.D. truck 1 Kinney oil distributor for experimental purposes.

230 - New construction - roads

Special equipment is being placed in condition for our new work this season but no work has been done in the field.

240 - Improvement of roads outside park:

The letting of the contract for Project 239-A, which is the road out of Wilsall, will be at an early date, it is announced by County Commissioner Knox. This road will extend 5.68 miles from Wilsall north. This will be immediately followed by the letting of the contract on Project 239-B, which is the continuation of the Park county project, and runs into Meagher County about 2-1/2 miles. The construction and surfacing of these two projects are to be completed this year and in addition to this north county program it is planned to complete at least half of the construction work between Emigrant and Carbella this year. This means that Park county will enjoy a completed north and south road by the end of 1928. With the construction of the bridge at Gardiner, for which $50,000 has been allotted by the Forestry Department in 1928, and with the cooperation of the county, the State Highway Commission and U.S.Bureau of Public Roads, barring unforseen complications, the road from Livingston to Gardiner will be completed next year. The Bolton-Glacier cut-off, for which $160,000 has been allotted this year and $100,000 for next year, will be completed next year, and when this cut-off is completed Park county hopes to get some of the enormous traffic which will come from the northwest over this highway.

Sheridan-Lovell Highway: This highway over the Big Horns will be open to travel this year. Sheridan County appropriated the $12,000 necessary to complete the road to Steamboat Rock, the summit of the Big Horns, and the Forest Service appropriated $78,000. Bids will be called for immediately and the work started soon.

260 - Landscape work:

The Yellowstone Park Camps Company started work on the new cabins for the Mammoth auto camp. The locations of the cabins were made from maps furnished by the Landscape Engineer. Employees of the Camps Company were also engaged in painting some cabins and some tables were made. The Haynes Company started the construction of a studio in the Mammoth auto camp and the location of this building was made from instructions from the Landscape Engineer.

The Yellowstone Park Transportation Company completed the planting and landscape work around the shops and dwellings at Gardiner. The planting was done according to a map which Mr. Vint made last fall. An effort was made to rush the results of this work and trees with most of their branches left on were transplanted. If the trees live it will be only two or three years when they will show maturity and effectually change the landscape.

300 - Activities of other agencies in the park

Mr. George Whittaker, operator of stores in the park, arrived in the park on April 10.

Mr. C. A. Hamilton, who also operates stores in the park, arrived on April 3rd and left headquarters for Old Faithful on the 16th with two helpers.

Mr. Hamilton-Smith (Glasgow): This Clause, over the 5th June, will be open to serious abuse. Whether Clause 1 [illegible] approximately the 31st, for measures to regulate the use of electricity that, the months of the 5th June, the Board [illegible] approximately £7,000. This will be useful for immediately and the work started [illegible].

Mr. [illegible]:

The Parliamentary Clerk [illegible] charged [illegible] on the new motion [illegible] the Lambeth [illegible]. The Lordships of the House [illegible] [illegible] also [illegible] in getting [illegible] and [illegible] [illegible]. The Royal Charter [illegible] the [illegible] of a [illegible] in the [illegible] [illegible] and [illegible] of this [illegible] [illegible] [illegible] the Lambeth [illegible].

The Parliamentary Clerk [illegible] [illegible] [illegible] the [illegible] [illegible] [illegible]

400 - Flora, fauna and natural phenomena

410 - Ranger service

Chief Ranger Woodring was absent from the park from the 1st to the 15th. His absence was pursuant to arrangements with Superintendent Albright to meet him at Grand Canyon National Park on April 3rd for the purpose of discussing plans for the spring season work in Yellowstone and other matters relating to ranger appointments, forest fire prevention plans, etc. He made this trip at his own expense in order to facilitate the spring season work. His activities since the 15th have consisted principally of repairs to pack and saddle horse equipment, supervision of ditch cleaning and repairs to fences at the Gardiner and Hoppe Ranches, spring cleanup work at Blacktail Cabin and the stretching of a wire cable across the Yellowstone at this point to provide a means of crossing the river when it cannot be safely forded. Strong supports have been provided on each shore of the stream. The conveyance consists of a box, specially built for the purposes, suspended from two pulleys attached to the cable. An endless rope attached to each end of the box makes it accessible at all times from either shore of the stream. This arrangement will greatly facilitate ranger patrols during periods when the river cannot be safely forded, particularly during the flood water period of the spring season, and during the winter season when fording is dangerous on account of the ice.

Assistants Chief Ranger Trischman, Douglas and Liek were on special patrol in the Upper Lamar River District during the first week of the month. Douglas returned to headquarters via Buffalo Ranch and Tower Falls. Trischman returned via Yellowstone Lake and Grand Canyon. Liek returned to Lake Station and proceeded from thence on the regular ten day patrol of the Upper Yellowstone country. He has since returned to his duty station, patroled from thence to headquarters and is now on 18 days' annual leave beginning on the 25th. Trischman and Douglas were in charge of all ranger activities in connection with the removal of Park Ranger Charles Phillips, deceased, from Old Faithful to West Yellowstone, Montana. This was a very difficult task on account of snow conditions, stormy weather and temperature variations. The remains were transported on a toboggan by man-power (7 rangers) for a distance of 30 miles, immediately following the arrival of the men from distances varying from 30 to 50 miles. This work was accomplished from the 13th to 16th inclusive. Douglas returned to headquarters on the 21st and has since been assisting the Chief Ranger with spring season work in the headquarters district. Trischman was on special patrol and other duties in the Western Supervisory Territory from the 17th to 25th. He was granted 16 days annual leave beginning the 27th.

Assistant Chief Ranger Greer was in charge of all protection department activities during the absence of Chief Ranger Woodring (April 1st to 15th). His other activities have been in connection with the detail work of the Chief Ranger's office, consisting in part of report compilation, correspondence with applicants for ranger appointments, preparation of requests for these appointments and all paper work incident to the same. There has been an unusually large volume of correspondence throughout the month.

The duties of rangers in the various station districts have consisted principally of routine work, which included regular and special patrols, snow removal from buildings, observing and reporting water gage heights, precipitation, snow depths, temperatures, etc., winter season repairs and maintenance of telephone lines, predatory animal hunting, cooking, washing, cleanup and other household work at their duty stations.

Very little spring cleanup work has been accomplished on account of snow depths and weather conditions. Travel conditions have been difficult throughout the month but all patrols have been made with only slight variances from the regular schedules although 10 men have been granted annual leave at intervals consistent with their duties. This is the preferred period of the year for the granting of annual leave as it enables us to have all men available for the spring season work.

470 - Animals

Wild animal and forage conditions have been adversely affected by weather conditions during the second and third weeks of the month. This period was generally stormy, unusual snowfall occurred and the temperatures were the lowest of record for this season of the year. Night temperatures ranged from 11 to 22 degrees below zero at all points on the higher elevations for 5 successive nights beginning on the 17th. The elk and deer losses were in excess of normal during this period. Severe losses were averted by the mild weather conditions of the closing week of the month. Large areas of good forage have been uncovered and fresh grasses are growing profusely on the lower elevations. Wild animal conditions have materially improved.

Elk: There were no unusual elk movements during the month. Large bands are now ranging the slopes of Everts and Sepulcher Mountains, the entire Blacktail District and along the east side of the Yellowstone River from Crevice Basin to Slough Creek. Considerable numbers have moved up on the slopes of Specimen Ridge, and the exposed ridges east of the Lamar in the vicinity of the Buffalo Ranch. The following winter season losses occurred during the month: Blacktail District 8, Hellroaring District 75, Gallatin District 67, Soda Butte District 12, Riverside District 4, Crevice District 25, Slough Creek District 32, Mammoth District 28, Gardiner District 30, Reese Creek District 38, and Tower Falls District 18 - total for the month 337. This total consists of 13 bulls, 30 cows, 148 calves and 146 that have not been classified. The previously reported losses, exclusive of shipments and the kills made by hunters, are 103. The total winter season loss to date is 440. All dead animals examined were covered with ticks which are regarded as one of the principal causes for the losses of the past two months.

The following article appeared in the Jackson Hole Courier for March 24, 1927: "Although the recount of the elk is not quite completed, present totals reported show slightly above 19,000 elk. As a whole the elk are in better condition than expected, and while losses have occurred, particularly among the calves and no doubt quite a few will die yet before the green grass arises, such losses will not materially reduce the herd. Of the number counted 6,953 are on the Biological Feed Grounds and 2,205 are being

fed by the State, which makes a total of 9,158 head being fed. Even considering the most severe weather possible, the probabilities of at least 50 per cent of the elk off the feed grounds getting thru is without doubt; and there is no question that the hunting will be as good as ever. As far as we can see now, our great-grandchildren will enjoy elk steak, killed by themselves in Jackson's Hole, just as much as we do now."

Deer: There were no unusual counts submitted during the month, although they were observed in their usual numbers by rangers on patrol. The winter kills during the month were in excess of normal on account of adverse weather and forage conditions and the tick infestation. The losses have been noted as follows: Gardiner District 5, Reese Creek District 12, Mammoth District 8, Crevice District 1, Hellroaring District 2, and Soda Butte District 1, total 29. The previously reported losses, exclusive of the kills made by hunters, were 32, making a total this season to date of 61. The total loss from all causes is 171. The estimated total in the park as submitted last September was 1850.

Antelope: The antelope losses have also been in excess of normal during the month, as indicated by the following reports by rangers on patrol: Winter range outside the park 7, and Gardiner District, within the park, 6, total 13, which, together with 5 previously reported, makes a total loss of 18 this season to date. Five of this number were destroyed by coyotes, one was accidentally killed, and 12 apparently died from natural causes. The tick infestation and adverse weather conditions were, no doubt, contributing causes to the loss. The herd appears to be in excellent condition at the present time. They are moving up along the Yellowstone as the snow recedes from the higher elevations and there are very few on their winter range outside the park. A band of 14 crossed Hellroaring Creek en route to the Lamar River District on the 12th. No unusual counts were submitted during the month. The largest count of recent years, consisting of 641, was submitted in the March 1927 report.

Sheep: A loss of 3, two rams and a ewe, were observed in the Tower Falls District during the month, which, together with 3 previously reported, makes a total loss of 6 from natural causes this season to date. Ten were killed by hunters last fall in areas adjacent to the park. The total loss from all causes is 16. The largest sheep count secured during the past winter season was 346, which is the largest actual count submitted in recent years. The various bands observed during the month were in good condition.

Moose: There is nothing of interest to add to the moose counts submitted in previous reports. A loss of 2 was reported during the month. The carcass of a young bull was found near Glen Creek, Mammoth District, and a large bull was killed in a snowslide near the head of Cache Creek. The total reported losses this season to date are noted as follows: One from natural causes and one from accidental causes within the park, 25 were lawfully killed by hunters in the State of Wyoming, 11 were unlawfully killed by hunters in the State of Montana, resulting in one conviction, and two were unlawfully

killed by hunters in the State of Idaho, total 40. Moose conditions are excellent and they are quite generally distributed throughout the park. They have been frequently seen in the headquarters district during the past winter season.

Buffalo-Lamar River Herd: The drift from the feed ground has been in progress since early in the month to newly uncovered forage areas along the Lamar from the Canyon to its junction with the Yellowstone. These movements resulted in the complete abandonment of the feed ground on the 25th and feeding was concluded on this date. One hundred and eighty-five cows were observed to be with calf early in the month and the first calf of the 1927 crop arrived on the 13th. A total of 39 arrived during the month but unfortunately much of the calving occurred in the night time during the cold wave of the 17th to 21st, resulting in a loss of 19 from freezing. This is another instance of unusual losses by reason of the adverse weather conditions of the second and third weeks of the month. A loss of one adult bull from natural causes occurred in the Slough Creek district during the month. The herd total at this time exclusive of the 1927 calf crop, is 818. The winter season losses, exclusive of the 1927 calf crop, consist of the following: Winter kills 2, shipments and animals killed because of advanced age or other infirmities 35, total 37. Herd conditions, except as above noted, have been excellent.

Buffalo, Cold-Creek-Pelican Creek Herd: A special count of this herd was in progress when the March report was submitted. Patrols of this District by Assistants Chief Ranger Trischmann Douglas and Lick and Ranger Anderson were made during the period March 29th to April 7th inclusive. They found snow depths ranging from 3-1/2 to 5 feet. The snow was heavily crusted and there were no exposed ridges in the entire district. All wild animal life observed was in very poor condition. This consisted entirely of buffalo, although a few signs of moose and elk were seen. The count as indicated by location is submitted as follows: Outlet of Death Gulch 3, at mouth of South Fork of Cache Creek 3, on middle fork of Cache Creek 5, on plateau between Cache and Miller Creeks 16, along Lamar River below junction with Miller Creek 3, along Timothy Creek 2, along Willow Creek 5, on divide between Willow and Cold Creeks 2, along Pelican Creek 6, along Raven Creek 1, and 2 were observed in the vicinity of Turbid Lake, total 48.

The largest count of recent years was submitted in the December 1926 report. The total count submitted at that time was 72, which is 24 in excess of the recent count, but in view of the recent tendency of some of these bands to move down to the Lamar River feed grounds it is quite probable that the animals comprising the difference between these counts were mingling with the Lamar River herd at the time. This is a reasonable conclusion when the deep snow and forage conditions are considered as it is almost inconceivable that buffalo can remain in this district and survive the conditions observed in the patrols above noted. Deep snow conditions will probably prevent any considerable movements by these bands and a high percentage of loss is anticipated.

Bears: Bears of the black and brown variety are now seen almost daily in the vicinity of all stations along the loop road. Their spring season appearance is usually attended by minor depredations in connection with their search for food, but no property loss or damage has been reported this season to date. Signs of a grizzly bear were first observed by rangers on patrol in the vicinity of Twin Lakes on the 13th. Additional signs were observed in the Canyon and Lake Districts late in the month.

Predatory Animals: No signs of wolf or lion were observed during the month but coyotes are numerous, as usual, throughout the park. It is not unusual to see them in groups of from three to five. A total of 12 were destroyed by rangers during the month which, together with 226 previously reported, makes a total of 238, as compared with 243 to May 1st last year and 172 to May 1st, 1925.

Small animals: There is nothing of special interest to report concerning small animals at this time.

Water Fowl: Ducks and geese are abundant, as usual, along the various streams in the park and 11 swan are frequently seen at the outlet of Yellowstone Lake.

Birds: An interesting contribution to the bird life of Yellowstone Park arrived by express from Fort Wayne, Indiana, on the 29th. The consignor, Mr. Harry E. Boughers, captured a golden eagle about 6 months ago that was disabled because of a wing injury. It was kept in captivity pending recovery and pursuant to arrangements with Acting Superintendent Hill, was shipped here for release in the park at Mr. Bougher's expense. Mr. Boughers is of the opinion that by reason of it being comparatively tame there is a chance of it remaining in the park where it will have the desired protection from hunters. The bird was seen two days after its release at a point within a mile of park headquarters. The observer approached to within a distance of 50 yards without causing him to fly from his perch. He was well fed and extensively photographed before his release. We have written the consignee with full particulars and expressed our appreciation for his interest in this magnificent bird.

The bird life for the month has been about as usual for the place and season.

The small lake, Ice Lake, between Mammoth and Gardiner has had its usual flock of courting Barrow goldeneyes, with mallards, teal, an occasional goose and presumably the other usual waterfowl. As the month ends, the goldeneyes have dwindled to a fraction of their number earlier in the month.

The ospreys of so-called Eagle Nest Rock near Gardiner first were noted on the 23rd, one of the pair being then seen on the edge of the nest.

By the 23rd bluebirds, robins, song sparrows, sparrowhawks and large soaring hawks were numerous, as were thick-billed red-winged blackbirds and Cassin purple finches.

Fauna: Many of the birds and insect species do not seem always to be the majority of all species along the long coast. Their spring season appearance is usually signaled by water departures in connection with their search for food, but no properly line or density has been recorded this season to date. Signs of a plague have been first observed by farmers in patchy in the vicinity of this issue on the 12th. Additional signs were observed in the Dagon and Lake districts late in the season.

Predatory animals: No signs of wolf or lion were observed during the month but reports are numerous, as usual. Depredations are rare. It is not unusual in the Ruan to receive of from three to five, a total of 12 were despatched by rangers during the month alone, together with 38 prevalently reported, means a total of 52, as compared with 41 for July last year and 17 in July 1947.

Small animals: Game is in dying of special interest to report concerning small animals at this time.

Other fauna: Some and gnats are numerous, as usual, along the various streams in the north and it were not frequently seen at the outset of heliotrope blossom time.

Birds: An interesting observation in the life of Tallamanca has arrived by express from Fort Ogden, Indiana, on the 27th. The zoologist, Mr. Jerry G. Dougherty, assisted a police sergeant monday and the two discovered remains of a wild lioness. It was kept in capturing pitting mosquito and returned to wilderness with lesser impressions still. Mr. Dougherty is of opinion that the remains in the part of Mr. Dougherty's opinion. Mr. Dougherty is of the opinion that by reason of its being comparatively some time, it is doubtful if it remaining in the park where it will have the desired protection from hunters. The sight was seen two days after the release at a point nearby a pile of pure Dougherty. The observer approached to a dog a distance of 20 yards without seeing him to fly from his perch. He was well fed and seemingly physically active his release. In some cases the zoologist also full publicity and expressed his appreciation for his interest in this magnificent site.

The wild life for the month has been short as usual for the place and season.

The small lion, the lion, wolves, bears and buffalo had the usual flock of roaming herds gathering, with bellows, and, as usual, the economical grass and preserving the other usual wonderful. In the north state, the pintoings are still detained in a condition of their normal motion in the state.

The energy of economical being that they have been decline first was noted in the 20th, one of the pair of long time seen in the edge of the north.

By the 3rd ninetieth, motion, many quarrels, quarrelsome and large energy times were observed, as were bird-still restlessness birds and insects people tiredness.

The coming of the first swallow is always an event worthy of note, swallows being so closely identified with summer or at least summer-like weather. The first was noted on the 25th of the month. On that date two or three tree swallows were seen about our mess house.

There have been, apparently at least, more than the usual numbers of Clarke nutcrackers about. They have been very much in evidence daily all through the month. On one occasion I counted fourteen in, under, and about the large solitary pine in front of the Weather Bureau.

Buffalo and Other Ranch Operations: The activities at the buffalo ranch have consisted principally of buffalo, elk and horse feeding. All wild animal feeding was concluded on the 25th. Other activities have consisted of ditch cleaning, repairs and maintenance of fences, buildings, and equipment. Elk feeding was concluded at the Slough Creek Ranch on the 25th. Other activities have consisted of horse feeding, cleanup and maintenance work.

There were no activities at the Yancey Ranch during the month. One man has been employed at ditch cleaning and repairs to fences on the Hoppe Ranch throughout the month. The water was turned on the hay fields at this point on the 30th.

One man has been employed at the Gardiner Ranch since the 17th. His activities have consisted principally of ditch cleaning and the irrigating of hay lands. Spring season work at the various ranches has been considerably delayed on account of adverse weather conditions. A statement of the balance of hay on hand at each of the ranches and the tonnage fed during the winter season will be submitted in the May report.

480 - Natural Phenomena

Mammoth Hot Springs: The greatest change in the appearance of the hot spring formations during the month of April is due to the fast-disappearing snow. It is now possible to cover nearly the entire territory without wading in snow banks. There has been quite a noticeable increase in the volume of water from all of the springs reported active last month but as yet Angel, New Highland and White Elephant remain entirely dormant.

A number of pink-sided juncos were found in cracks and small caves, overcome by carbonic acid gas. Stygian and Stalactite Caves are filled with great sheets of ice, icicles and broken travertine which have thawed loose and dropped into them from above. Another elk, a cow, was found dead in the road north of Orange Spring. There are still no bats in Devil's Kitchen.

The most beautiful terrace, outside of Jupiter itself, at Mammoth at the present time, both in coloring and delicate tracery of its travertine, is the newer portion of Hymen.

Eight robins were counted feeding within one small, marshy area and in another place in a grove of shrubby cedars twelve or fifteen Clarke nutcrackers were seen flitting through the trees or over the ground and calling noisily to each other.

The energy of the first months is always so great which [illegible] work, sometimes being so closely identified with [illegible] of it that [illegible] the first [illegible] on the [illegible] of the [illegible], to [illegible] too [illegible] [illegible] [illegible] [illegible] [illegible].

Then [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] of [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible]

Bath Lake is still quite dry and there is still no water in Soda Spring.

490 - Miscellaneous: The following live mounts were added to the Park Museum exhibits during the month: 1 buck antelope, 1 buck deer, 1 red fox and a beaver. These mounts were prepared by Jonas Bros., Taxidermists, of Livingston, Mont. They are all unusually fine specimens.

Pursuant to the policy of the Service of preventing traffic in elk teeth the Chief Park Ranger destroyed in the presence of Acting Superintendent Hill (May 4, 1927) 41-1/2 pairs of cow teeth and 14-1/2 pairs of bull teeth recently extracted by rangers from dead animals observed on patrols.

The first public auto camper of the season spent the night of April 27th at Mammoth Camp.

Assistant Chief Ranger Liek had the experience, on March 28th, of being lost while on a ski patrol across Yellowstone Lake. He was overtaken by a blizzard when about midway of the lake, all landmarks were lost to view and he traveled in circles continuously for about four hours. The shore line finally became visible and he arrived safely at the ranger station at 10 p.m.

510 - Increase or decrease in travel: All entrance and exit travel during the month was via the Gardiner Gateway. There was no travel beyond park headquarters. Preseason visitors are not registered and we have no exact check of the travel. Road conditions have been good between Livingston, Mont., and park headquarters and the wild animal life so abundantly seen in the Mammoth District has attracted increasing numbers of visitors. One hundred and forty-seven visitors traveling in 49 cars are known to have journeyed to Mammoth Hot Springs during the month. The total preseason travel to date consists of 1585 visitors in 574 cars as compared with 827 visitors in 224 cars during the same period of preseason travel last year.

520 - General weather conditions: TEMPERATURE: Monthly mean, 33.9° is 3.1° below normal. The first week was near normal in temperature, followed by two weeks of unprecedently cold and generally stormy weather for so late in the season. However, comparatively warm sunshiny weather prevailed during the last week. The highest temperature was 69° on the 26th; lowest 2° on the 20th. PRECIPITATION: Total 1.53 inches, is 0.15 inch above normal. It practically all occurred as snow. SNOWFALL: Total 13.8 inches; normal 8.1 inches. In the storm of the 17-18th, 6.8 inches of snow occurred, which is the greatest 24-hour snowfall for the past two winters, or since December 16, 1924. However, the snow soon disappeared under the influence of the warmer weather that followed. WIND: Average hourly velocity was 9.3 miles; normal 8.1 miles. There were no excessively high winds, the maximum velocity being 35 miles per hour from the south on the 18th. SUNSHINE: Percentage of possible 51; normal 57. The first 19 days were markedly deficient in sunshine, while the remainder of the month was generally fair and sunshiny. Number of days clear 7, partly cloudy 11, cloudy 12, with precipitation 18.

Form 1030 is attached hereto.

521 Snow Depths: Snow depths throughout the park with comparative figures for 1926 and 1925 are noted as follows:

Station	Inches 1925	Inches 1926	Inches 1927
Lake	29	Drifts only	28
Snake River	30	" "	47
Sylvan Pass	16	" "	24
Riverside	Drifts only	" "	16
Gallatin	15	" "	15
Slough Creek, Upper Ranch	6	" "	16
" " Lower Ranch	Drifts only	" "	12
Canyon	30	8	28
Bechler River	42	Drifts only	55
Cooke City Station	24	" "	22
Old Faithful	Drifts only	" "	24

Snow depths along the highway from Golden Gate to Norris vary from 24 to 34 inches. There is 30 inches at Virginia Meadows, 34 inches on Blanding Hill and an average depth of 26 inches from the summit of Blanding Hill to Canyon Junction. The depths at Sylvan Pass, Dunraven Pass and on the Continental Divide between Thumb and Snake River are known to be in excess of normal but actual measurements have not been secured. There was 158 inches at the Seven Mile Post north of Snake River on April 12th. There was a rapid decrease in snow depths during the closing week of the month. A decrease of 18 inches was reported from Soda Butte Cabin, 24 inches at Slough Creek, 19 inches at Canyon, 16 inches at Lake, 26 inches at Sylvan Pass, 25 inches at Snake River, 27 inches at Old Faithful and 29 inches at Riverside. The ice is breaking up at the outlet of Yellowstone Lake and flood water conditions prevail in all the streams. The roads from Gardiner and West Yellowstone to Old Faithful, Canyon, and Yellowstone Lake will be opened to tourist travel on or about June 1st.

600 - Protection

630 - Accidents

Death of Charles Phillips, Park Ranger. The circumstances in connection with the death of Mr. Phillips are related by Ernest Bauer, Caretaker at Old Faithful Inn, as follows: Mr. Phillips called at the Bauer residence about 8 o'clock on the evening of April 11th, 1927. He had been making daily calls at this hour to hear the radio weather reports and frequently stayed until quite late in the evening when the radio entertainment was good. On this evening (April 11th, 1927) he was shown some root specimens of a wild plant that Mr. Bauer had collected near a warm spring in the vicinity of the Inn. There was some discussion as to whether or not the plant was edible and Phillips assured him the specimens were roots of the Camas Plant that the Indians commonly collected as food. Bauer and his wife pursuant to this assurance ate sparingly of the roots. Phillips ate freely. This occurred about 8 p.m., and no ill effects were experienced by the survivors until 2 o'clock the following morning when they were both attacked by nausea and other violent symptoms of poisoning.

The Snow Depths: Snow depths throughout the year with comparative figures for 1930 and 1929 are noted as follows:

Station	Inches 1930	Inches 1929	Inches Liv
Lake	29	Drifts only	42
Lake Alve	32	" "	42
Spirit Tree	16	" "	42
Hinterdale	Drifts only	" "	36
Salisbury	14	" "	35
Sleepy Creek, Upper Beach	6	" "	36
" " Lower Beach	Drifts only	" "	32
Tangier	30	6	36
Boulder River	42	Drifts only	35
Grande City Station	14	" "	32
Old Fairbank	Drifts only	" "	34

Snow depths along the highway from Fairbank back to Durrie were from 24 to 34 inches. Down to 30 inches at Sleepy Hollow, 24 inches at Hinterdale with as a minimum depth of 18 inches from the summit of Sleepy Hill to Langton Junction. The top of the Spirit Pass, however, was not on the continental divide between Tangier and Boulder River but was found to be in excess of normal with actual measurements from one to four feet according. There was 12½ inches at the Lower Sleepy Hollow at Sleepy River on April 12th. There was a rapid decrease in snow during the closing the closing weeks of the month. A decrease of 12 inches was reported from Lake during April. At Hinter at Sleepy Creek, 17 inches at Langton, 12 inches at Lake, 22 inches at Spirit Pass, 35 inches at Boulder River, 17 inches at Old Fairbank and 27 inches at Durrie. The log is breaking up at the mouth of Boulder Lake and Fibel water conditions prevail in all the streams. The roads from Durrie Junction and Lake Lighthouse to Old Fairbank, Langton, and Tailwater Junc. Will be opened to general travel on or about June 1st.

Lake - Fairbanks

Fair - Lake Junction

Roads of Sleepy Hollow, Fort Tanner. The aforementioned to commencing with the month of May. Fellings are related by Tanner Bunker, Gertrude at Old Fairbanks Junc. to Fairbanks. Fellings called at the Bunker residence about 8 o'clock on the evening of April 12th, 1927. He had been making daily calls at this home to meet the mail carrier and Tanner Hollow Mail Carrier Lake in the evening when the mail submitted was gone. On this evening (April 12th, 1927) he was unable have met somewhere of a mile plant that Mr. Tanner and collapsed nearly a mile during in the vicinity of the Jac. Tanner was alone in consequence he to whether or not the plant was called and fellings reached the residence were found of the Tanner Plant that the Indians commonly collect on or find. Snow and his with purpose to this conference the quarrelly of the roots. Fellings the family. This conference about 8 o'clc., and he all efforts were experienced by the searchers until 2 o'clock the morning when they were both attached by dogs and when evident exposure or poisoning.

They were greatly distressed and weakened and were confined to quarters throughout the following day. It never occurred to them at the time that their illness was caused by eating the plant. It was attributed to something they had eaten at the evening meal. Phillips returned to the ranger station about 11:15 p.m. There was nothing unusual in his failure to appear before 8 p.m. the following day but when he did not appear at this hour it was considered unusual, and at 9 p.m. Mr. Bauer decided to investigate, and upon entering the ranger station found him lying on the kitchen floor near the sink; he had been vomiting, was partly undressed and apparently dead. He immediately reported by phone to Assistant Chief Ranger Greer at headquarters station, and Dr. Richard A. Brady, park physician, was promptly consulted. Emergency treatment was prescribed and the body was immediately examined for signs of life. Bauer's report on the condition of the body at 9:30 p.m. indicated that he had been dead several hours.

His death is attributed to the fact that he ate considerable more than either Bauer or his wife, that his stomach was probably empty at the time, as he rarely ate in the evening until immediately before retiring at night, and there was nothing in his stomach to neutralize the effects of the poison. It appears that he was stricken suddenly while preparing a light lunch and that he was unable to get to his bed.

Arrangements were made to remove the body to West Yellowstone, Montana, a distance of 30 miles, and on account of snow conditions this was a formidable task. The snow depth at Old Faithful on April 13th was 54 inches, at West Yellowstone 45 inches, and an average depth of 30 inches between these points. The body was removed on a toboggan drawn by a crew of 7 rangers. The personnel of this crew consisted of Assistant Chief Ranger Trischman and Douglas, and Rangers Cottrell, Duncan, McCarty, Poore and Miller.

The rangers arrived with the body at West Yellowstone at 6:30 a.m. on April 16th. It was shipped by train to Ashton, Idaho, on the afternoon of the same day where it was embalmed and reshipped to Minneapolis, Minn., pursuant to shipping instructions by his mother. The remains arrived at Minneapolis on Wednesday, the 18th, and interment took place the following day. Mr. J. E. Haynes, Acting Director of the Yellowstone Park Museum, attended the funeral service as the representative of the National Park Service and Mr. Phillips' Yellowstone friends.

Samples of the root were mailed to the Montana State College of Bozeman for identification and a response was received to the effect that the plant could not be readily identified until it was planted and the top permitted to grow. We will receive a report at a later date concerning this plant.

Mr. and Mrs. Bauer are slowly recovering from the effects of the poison.

Mr. Phillips was appointed as Park Ranger in Yellowstone on April 21st, 1925, and was continuously in service since that date. He was highly

They were greatly disturbed [illegible] and were unable to continue
[illegible] the following day. It never occurred to them at the time that
their illness was caused by eating the plant. It was sufficient to [illegible]
that had eaten of the evening meal. Phillips returned to the [illegible]
[illegible] plant. There was nothing unusual in his [illegible] to report before
5 p.m. The following day it was seen he did not appear at his [illegible] at the usu-
al hour, and at 5 p.m. Mr. Lower decided to investigate, and upon
arriving was [illegible] where he lying on the kitchen floor and
[illegible] be had been vomiting, was partly unconscious and apparently dying. He
immediately reported by phone to [illegible] Chief Ranger [illegible] at Sand-
[illegible] and Dr. [illegible] a. [illegible], [illegible] physician, who promptly
[illegible]. Unfortunately [illegible] was [illegible] and he died [illegible]
[illegible] for signs of life. Below's [illegible] on the conditions of the body at
5:30 p.m. indicates that he had been dead several hours.

The death is attributed to the fact that this is one considerably more
than either Jones or his wife. With his stomach and [illegible] empty at the
time, we [illegible] was in the evening until immediately before retiring at
night, and there was nothing in his stomach to indicate the ordinary at
the [illegible]. It appears that in one [illegible] suddenly [illegible] a
[illegible] and died, or was [illegible] in [illegible].

[illegible] were [illegible] to [illegible] the [illegible] to [illegible] [illegible],
[illegible], a distance of 30 miles, and on account of [illegible] conditions [illegible]
[illegible] a [illegible] [illegible]. The [illegible] [illegible] at Dr. [illegible] [illegible] 1:00 [illegible]
30 [illegible], at [illegible] [illegible] 45 [illegible], and on [illegible] [illegible] at 30 [illegible]
[illegible] [illegible] plant. The only [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] 7 [illegible]. The [illegible] of this [illegible] [illegible] of [illegible] [illegible]
[illegible] [illegible], [illegible] [illegible], [illegible], [illegible], [illegible]
[illegible].

The [illegible] arrived at the [illegible] at [illegible] [illegible]
on April [illegible]. It was [illegible] to [illegible] [illegible], [illegible], on the afternoon of
the same day where it was [illegible] and [illegible] to [illegible], [illegible],
[illegible] to [illegible] [illegible] by the [illegible]. The [illegible] [illegible] [illegible]
[illegible] on [illegible], the 17th, and [illegible] that [illegible] the following
day. [illegible] 1. [illegible] [illegible], [illegible] [illegible] of the [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible].

[illegible] of the [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
the plant [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible]. It will [illegible] a [illegible] [illegible] [illegible] [illegible]
plant.

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible].

Mr. Phillips [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible], 1925, and [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

esteemed by the members of the ranger organization and all residents of the park. He performed excellent services as a ranger naturalist and photographer, and was one of our most careful observers of hot springs and geyser activities. His notes on thermal activities have been published monthly in our Nature Notes publication. His untimely demise is sincerely deplored and our heartfelt sympathy is extended to his bereaved mother, relatives and friends who mourn his loss.

Mr. James P. Jackson, Yellowstone Park Camps Company employee, deceased. The circumstances connected with Mr. Jackson's death were first announced by Mr. E. M. Moorman, General Manager of the Camps Company by a phone conversation with Assistant Chief Ranger Greer at park headquarters. This conversation occurred at 7 p.m. on May 3rd. Mr. Greer and Ranger Bruce immediately proceeded to Mammoth Camp and in company of Mr. Moorman inspected the premises where evidence of bloodshed had been discovered. They were informed that Mr. James P. Jackson who has been employed at the Camp since April 1st had not been seen since the supper hour on Saturday evening (April 30th), but in view of his expressed intention to go to Livingston, Montana, for a few days there was no comment concerning his absence from duty. The first evidence discovered consisted of blood-stained bedding in a disordered cabin at the outskirts of the Camp, a cess pool containing about 6 feet of water was next inspected. This pool was about 30 feet back of the cabin at a lower elevation on the hillside - a black felt hat was found floating on the pool, a bloodstained razor was found on the bank, and a razor box was found lying near the water's edge. A pool of blood was also observed on a small grass mound near the water. The bottom of the pool was carefully dragged by Mr. Greer and two of the men employed at the Camp but nothing additional was found. The hat was identified as belonging to Mr. Jackson and a search of all of the cabins in this section of the Camp was begun. The body was found about 7:30 p.m. in one of the cabins of the third row above the pool. It was in a direct line between the cabin nearest the pool and the one where he had been assigned to quarters. The body was lying on its back with the head and trunk crosswise of the bed; the feet were resting on the floor, one chair was turned over, the bedding was in disorder and stained with blood. The head was thrown back at a sharp angle and there was a deep cut across the front of the neck that partly severed the trachea. He appeared to have been dead for several hours.

Arrangements were immediately made, through Dr. C. A. Windsor of Livingston, Montana, for the removal of the body and it was delivered to Undertaker Selby together with all his personal effects about 11 p.m. on May 3rd.

Mr. Moorman advises that the deceased was an employee of the Camps Company last season, that he returned to work this year on April 1st. He was regarded as a good, faithful worker. It was remarked that he appeared to have been greatly troubled during the past week and that on former occasions he

suffered from despondency. All the circumstances noted in connection with his death indicate that it was caused by a self-inflicted wound with suicidal intent. The only known relative of the deceased is a sister, Mrs. John Dodge of 802 - 9th Avenue, Helena, Montana. She was notified by Undertaker Selby concerning her brother's death and funeral arrangements will be made as directed by her.

900 - Miscellaneous

Hospital and Medical Service: Dr. Richard R. Brady, the Resident Physician, reports 49 office calls and 35 house calls during the month.

Post Office: Nothing unusual to report this month.

Church Services: Rt. Rev. H. H. H. Fox, Bishop of Montana, held Episcopal Services in the lodge room evening of Sunday, April 3rd. Rev. John F. Como, of Emigrant, Mont., held community Easter services in the Chapel Sunday morning, April 17th. Episcopal services were held in the Chapel on Wednesday evening, April 27th, by Rev. H. Cowley-Carroll, from Livingston, Mont., assisted by Rev. John F. Como, and Rev. Cowley-Carroll also held a communion service in the chapel the following morning at 10 o'clock. No denomination except the Episcopal was represented in the park during the month of April.

Izaak Walton League: The regular monthly meeting of the Yellowstone Park Chapter was held in the Post Exchange building on the evening of April 5th, with Assistant Chief Ranger Julius L. Greer, presiding. The business transacted consisted principally of routine matters. The Secretary announced a paid up membership of 71. Mr. Joffe announced that the moving picture "The Canyon of Light" had been secured for exhibit here, under the auspices of the local chapter. The picture was secured through the courtesy of the Tom Mix Company as an expression of appreciation for the consideration shown them while on location in the park last season. The picture was shown on the evening of April 8th and the net proceeds were approximately $70.00. There was a large attendance. The treasury now has a balance in excess of $100. Two new memberships and 5 renewals have been received since the last report making a total membership of 78 at this time. The next meeting will be held on a date not yet determined during the week beginning May 22nd. The rangers will then be in conference at Park Headquarters, Superintendent Albright will be here, and a large attendance is expected.

Cordially yours,

LEROY HILL
Acting Superintendent.

The Director,
National Park Service,
Dept. of the Interior,
Washington, D.C.

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UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF PERSONNEL

YELLOWSTONE National Park for the Month of APRIL 1927

	This Month	This Month Last Year
Number of employees beginning of month,	66	66
Number of additions, ...	1	0
Total, ...	67	66
Number of separations, ...	1	0
Number of employees close of month, . . .	66	66
Number of promotions during month	0	0
Aggregate amount of annual leave taken,	183	146-1/2
Aggregate amount of sick leave taken,	11	0
Aggregate amount of leave without pay,	30	0

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF PERSONNEL

[redacted] National Park for the Month of [redacted]

	This Month	This Month Last Year
Number of employees beginning of month,	66	66
Number of additions, ...	1	0
Total, ...	67	66
Number of separations, ...	1	0
Number of employees close of month,	66	66
Number of promotions during month	0	0
Aggregate amount of annual leave taken,	185	[redacted]
Aggregate amount of sick leave taken,	11	0
Aggregate amount of leave without pay,	32	0

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Yellowstone National Park for the Month of April

	This Year	Last Year
ark revenue on hand beginning of month	00	00
eceived	$21.66	277.97
Total	21.66	277.97
emitted	21.66	277.97
hand close of month	00	00

ark revenues received this year to date	$216,319.38
ark revenues received last year to date	342,800.32
~~Increase~~ ~~xxxxxxxx~~	126,480.94
Percent of increase	

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Yellowstone National Park for the Month of June

	This Year	Last Year
Balance on hand beginning of month	00	00
Received	4[illegible].16	277.97
Total	4[illegible].16	277.97
Settled	4[illegible].16	277.97
Balance close of month	00	00

Total revenue received this year to date. . . . . $[illegible]

Total revenue received last year to date. . . . . $[illegible]

Increase . . . . . $[illegible]

Percent of increase . . . . . .

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Yosemite National Park for the Month of April 1921

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
PRIVATE TRANSPORTATION:						
Cars first entry	47	574	60	224	350	156
Cars reentry						
Motorcycles						
Total motor vehicles	47	574	60	224	350	156
Persons entering via motor vehicles	147	1575	217	827	758	92
Persons entering via other private transportation						
Total persons entering via private transportation	147	1575	217	827	758	92
OTHER TRANSPORTATION:						
Persons entering via stages						
Persons entering via trains						
Persons entering otherwise						
Total other transportation						
GRAND TOTAL ALL VISITORS	147	1575	217	827	758	92

	This Year	Last Year	Increase	
			Number	Percent

Automobiles in public camps during month .....
Campers in public camps during month .....

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

National Park for the Month of

	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
VATE TRANSPORTATION:						
e first entry						
e reentry						
otorcycles						
Total motor vehicles						
ons entering via motor vehicles						
ons entering via other private transportation						
Total persons entering via private transportation						
BLIC TRANSPORTATION:						
ons entering via stages						
ons entering via trains						
ons entering otherwise						
Total other transportation						
GRAND TOTAL ALL VISITORS						

This Year	Last Year	Increase Number	Increase Percent

Vehicles in public camps during month
Cars in auto camps during month

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

YELLOWSTONE National Park for the Month of APRIL, 1927.

	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
urrent generated, ...	45900.0	590932.	43270.	565480.0	25452	4
old to park operators, . . .	1294.1	81132.5	559.3	75564.6	5567.9	7
old to others, ...						
urnished to other Governmental agencies, ...						
sed by National Park Service, lost in transit, etc., . . .	44605.9	509799.5	42710.7	489915.4	19884.1	4
Total current generated, . .	45900.0	590932.0	43270.0	565480.0	25452.0	4

mount receivable from the sale of electricity, ... $ 64.70

Indicated by K. W. H.

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

ELECTRICITY GENERATED, SOLD, USED, ETC.

[illegible] National Park for the Month of [illegible], 1937.

	This Month	This Year To Date	This Month Last Year	Last Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
[illegible]rent generated, ...	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
[illegible]d to park operators, . . .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7
[illegible]d to others, ...						
[illegible]rnished to other Governmental [illegible]agencies, ...						
[illegible]d by National Park Service, [illegible]ost in transit, etc., . . .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
Total current generated, . . .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4

[illegible]ount receivable from the sale of electricity, ... $ [illegible]

Indicated by K. W. H.

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UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

YELLOWSTONE National Park for the Month of APRIL 1927

	This Month	This Month Last Year	Increase	Percent Increase
OCAL BUSINESS				
les of circuit maintained	391	363	28	.077
. of telephones connected	141	133	8	.06
. of measured service calls				
. of other local calls.				
tal No. of local calls.	7112	6554	458	.7
ak load in calls per day.	352	274	78	28
ceipts from measured service calls.				
ceipts from coin boxes.				
ceipts from telephone rental.				
TOTAL RECEIPTS				
NG DISTANCE BUSINESS				
. Outbound calls.	58	99	-41	-41
. Inbound calls	116	126	-10	-7
TOTAL LONG DISTANCE CALLS				
ak load in calls per day.	12	16	-4	-25
ceipts from Long Distance business.	26.56	35.25	8.69	-24
LEGRAPH BUSINESS				
ssages via Western Union.				
ssages via.				
TOTAL MESSAGES				
ceipts from telegraph business				
. of money transfer messages.				
. of money transfer receipts.				
TAL RECEIPTS TELEPHONE & TELEGRAPH DEPT-				