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

FILE NO.

MONTHLY REPORT

April, 1939.

IMPORTANT

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ARNO B. CAMMERER,
Director.

U. S. GOVERNMENT PRINTING OFFICE 6—7410

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

May 4, 1932

Memorandum for the Director:

Following is the report of activities for Yellowstone National Park for the month of April, 1932:

000 - General

The unusually mild spring and the excellent condition of the snow for handling with the snow plows resulted in the opening of the park roads several weeks earlier than in any previous year. The snow plows reached West Yellowstone on April 3 and on the fifth travel was permitted to West Yellowstone and Old Faithful. The road to the Lake was opened on the fifteenth and travel was permitted to Canyon and Lake on the twenty-second. The snow plows reached the East Entrance on the twenty-eighth, but due to the poor condition of the 10-mile stretch under construction between the east gate and Hoin Lodge, travel will not be permitted via this entrance for another week or two. The Lake-Thumb road was opened to travel on the twenty-eighth. With the West Yellowstone-Ashton road open on April 2, motorists could go from Gardiner to West Yellowstone and into Idaho over this section beginning April 5, which is the earliest of record.

Of particular significance during the month was the Easter Sunrise Services held on the Mammoth terraces on April 9. A chorus of seventy-five voices under the direction of Mrs. Glenn Muchow, accompanied by J. Miller Smith on a Hammond organ, presented a unique sight, particularly with the entire affair being conducted throughout a snowstorm. Approximately seven hundred people were present at the terraces at 6:15 a.m. when the service began. This was the first affair of its kind for the park and it is contemplated that similar Easter Sunrise Services will be held in the park in the future.

Advice was received on April 29 that $30,000 of Public Works money had been allotted to acquire properties and remove improvements in the area added to the park west of Gardiner in 1932, which area included several private properties. The additional land is desired to improve the winter feeding facilities of the park's wildlife.

020 - General Weather Conditions

The weather was unusually warm during the month with the temperature averaging 4° above normal. All of the snow at Mammoth had disap-

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Easter Sunrise Song Services held at Mammoth Hot Springs, Yellowstone National Park. Mr. J. Miller Smith at the Hammond Organ.

Easter Sunrise Song Services held at Mammoth Hot Springs. The organist and Chorus at the brink of Blue Spring

Easter Sunrise Song Services held at Mammoth Hot Springs, Yellowstone National Park. Showing the director, organ, and chorus.

Easter Sunrise Song Services held at Mammoth Hot Springs. Mrs. Glenn Muchow directing the chorus.

Easter Sunrise Song Services held at Mammoth Hot Springs.
Yellowstone National Park. Director, organist, and part of chorus.

The Easter Sunrise Song Services held at Mammoth Hot Springs.
Yellowstone Park, on the brink of Blue Spring near Main Terrace.

Easter Sunrise Song Services held at Mammoth Hot Springs, Yellowstone National Park. Visitors in cars.

Easter Sunrise Song Services held at Mammoth Hot Springs. Showing part of the group of visitors present.

peared and the precipitation during the month was a quarter of an inch less than normal. A maximum temperature of 74° on April 28 equalled the former April record, and the maximum of 75° on April 29 set a new all-time record for this month, it being the highest April temperature in the last thirty-six years.

100 - Administrative

110 - Superintendent's Special Activities

Superintendent Rogers, who had been on special detail in Washington since last November, returned to the park by way of Denver, reaching here on April 19. Trips after his return were made only to look over various operations in the park. Assistant Superintendent Emmert was acting during Mr. Rogers' absence.

120 - Park Inspections

Harry Dunham, CCC Inspector, Omaha, in north on April 11; out west April 14.

Bernard Anderson, Federal Prison Inspector, arrived via north April 12 and after inspecting park jail departed via west gate.

Ned Tuttle, in charge of Bureau of Fisheries activities in the park, arrived on the 13th.

Captain John G. Hill, District Executive Officer, Missoula, arrived April 18 on CCC matters, departing the following day.

L. F. Copeland, Senior Highway Bridge Engineer, arrived via north on the twenty-second on bridge matters and left via the same gateway on the twenty-fourth.

David Madsen, Supervisor of Fish Resources, National Park Service, arrived via the west gate on the twenty-sixth to discuss fish matters, departing the same day via the west gate.

C. F. Capes, Resident Engineer in charge of Bureau of Public Roads activities in the park, arrived via the north gate on the twenty-seventh.

L. J. Snell, Junior Engineer, Geological Survey, Boise, Idaho, arrived on April 27 via the west gate to inspect water gauges and departed on the thirtieth.

Resident Landscape Architect Sanford Hill arrived via the north gate April 29 and will be assigned to the park throughout the summer.

150 - Plans, Maps and Surveys

Surveys were continued on the Mammoth Area, resurveys made on the Mammoth service road, and soundings taken in Yellowstone Lake for the Lake-Fishing Bridge and West Thumb water systems.

160 - General Publicity

Considerable publicity resulted from the Easter Sunrise Services, and press releases were sent out with regard to the early opening of roads and fishing.

200 - Maintenance, New Construction and Improvements

210 - Maintenance

The snow crew completed snow removal on the East Entrance road, Canyon to West Thumb, and Old Faithful to West Thumb. Small maintenance crews worked on draining these roads, several large rock slides, patching frost cracks, and temporary patching of continued settlement near Silver Gate.

220 - New Construction

Work was started and progressed rapidly on the placing of underground power and telephone lines in Mammoth, replacing the present overhead systems.

230 - Special Improvement Activities

Two ERA trail crews started work during the last half of the month. On April 17 a side camp was established on the Yellowstone River trail above Gardiner and 15 men have been working in the area since that time. On April 21 a somewhat larger ERA crew started work on the Blacktail-Elk Creek trail and it is expected that both jobs will be completed some time in May. Work was also continued under ERA in the construction of cottage #10 in the Mammoth Employees' Cottage Area.

A cleanup crew worked at the Game Ranch all month. Two buildings were condemned and razed along with the obliteration of an irrigation reservoir.

The CCC spike camp at the Buffalo Ranch continued work on the water system along with other miscellaneous jobs.

The company strengths of both camps YNP #1 and YNP #7 have been approximately 200 for the full month of April and very good progress has been made on all jobs. The principle jobs worked on during the

150 - Piers, Docks and Surveys

Surveys were conducted on the Lemoyne Pier, the Pier on the Lemoyne side of the Lemoyne service road, and excavation began in Yellowstone Lake for the Lake-Fishing Bridge and West Thumb water pipeline.

160 - General Facilities

Considerable publicity resulted from the Yellowstone Centennial, and great releases were sent out with [illegible] of roads and fishing.

200 - Maintenance, New Construction and Improvements

210 - Maintenance

The crew were completed and removed on the Mist Advance road, Canyon to West Thumb, and the initial to Grant Village. Small maintenance crews worked on drainage, bank roads, [illegible] large rock slides, patching road surfaces, and temporary repairing of contractors equipment near Silver Cord.

220 - New Construction

Work was started and progressed rapidly on the placing of underground power and telephone lines in Mammoth, replacing the previously overhead systems.

230 - Special Improvement Activities

The MTA small crews started work during the last half of the month. On April 17 a side camp was established in the Yellowstone River trail above Canyon and 17 men have been working in the area since that time. On April 23 a somewhat larger MTA crew started work on the Bunsen-Hill-Grove trail and it is expected this job will be completed some time in May. Work was also continued under MTA in the construction of cottage 210 in the Mammoth Hot Springs Village area.

A cleanup crew worked at the Tree Lunch all month. The buildings were condemned and razed along with the dilapidated [illegible] refuse.

The CCC spike camp at the Buffalo Ranch continued work on the water system along with other minor improvements.

The company strengths of both camps YNP 3 and YNP 17 have been approximately 200 for the full month of April and very good progress has been made on all jobs. The principle jobs worked on during the

month were as follows: Mammoth Campground, Preparation of Material, Gardiner Gravel Pit, Water and Sewer System at the Buffalo Ranch, and Car Storage Shed at Mammoth. An inspection of Camps #1 and #7 and all jobs was made by Mr. Dunham, Supervising Inspector, from April 11 to 14. Army officials from Pocatello and Missoula districts have made inspections of the summer campsites.

300 - Activities of Other Agencies in the Park

310 - Park Operators

Mr. C. A. Hamilton opened his store at Old Faithful on April 13 to take care of early visitors, and his Lake store was opened on the evening of the twenty-eighth. Mr. Hamilton himself arrived via the west gate on the twenty-ninth.

On April 15 the price of gasoline in the park was reduced one cent, making the price at Mammoth and Old Faithful 24½¢ for regular and 26½¢ for Ethyl, and at other points in the park 25½¢ for regular and 27½¢ for Ethyl.

The Yellowstone Park Company repainted several of their completed buildings and started construction of several cabins in the Mammoth area.

320 - Cooperating Governmental Agencies

The National Reemployment Service reopened its Mammoth office on the twenty-seventh with Mr. P. A. McQuillan, transferred from Fort Peck, in charge.

The Bureau of Fisheries crew moved in during the latter part of April. No Blackspotted eggs were taken this month although a few fish started to run up the streams. Some Rainbow eggs were taken at Trout Lake but the Grayling run at Grebe Lake had not started by the end of the month. Work progressed under the B.P.R. supervision with considerable concrete being poured on the west abutment and one tower footings on the Gardiner River bridge.

McLaughlin & Nelson, contractors, started setting up camp for the surfacing contract at West Thumb. Max Kuney also started his grading job on the East Entrance approach road.

400 - Interpretation

410 - Lecture and Guide Service

Two lectures were given during the month--one a 15-minute talk by our Park Naturalist over radio station KGHL, the subject being

"Spring Comes to Yellowstone"; and the other by our Assistant Park Naturalist given to the special wildlife students and professors from Montana State College visiting the park on April 15.

420 - Museum Activities

Work was continued in the indexing of the Museum Library. Three new museum glass cases were received during the month and were installed, one each, in the Mammoth, Madison Junction, and Fishing Bridge Museums.

430 - Research and Observation

432 - Zoology

Bears - These animals came out of hibernation this month.

Buffalo - The first observations of new-born calves was made April 7, and by the end of the month a number of young could be seen in the Horseshoe and Buffalo Bench areas.

Bighorns - Two Bighorn rams were found dead on the range. Autopsies were performed and microscopic examinations made. Both rams were badly infested with lungworm, both larval and adult forms of Protostrongulus rushi, a species not identified before--identification by Dr. Dikmans, Bu. of Animal Industry--were found in each case. One of the rams was badly infested with scab mite and both ears had been almost completely lost at time of death.

Deer - Several deer, mostly fawns, were found dead and upon examination were found to be heavily infested with bot fly larvae.

Elk - During the first part of the month the elk followed the snow line to higher elevations; however, later on as green grass began to appear at lower elevations large numbers returned to the lower valleys. The number of dead elk observed to date on the winter range is less than 100 and no heavy loss is anticipated.

Trumpeter Swan - Trumpeter swans have returned to several of the smaller lakes where they summer and nesting activities have been observed eighteen days earlier than was the case last year.

500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

Due to the abnormal weather conditions, the roads in the park were opened earlier than usual, which resulted in an increase in travel during the month.

"Spring" Cones in Yellowstone", and his claim by our Jamboree, was materially given to the special visitor, also not problems from humans, due to unique visiting the park on April 7th.

4A - Human Activities

Work was continued in the laboratory of the Bureau Library. Some new museum place series were received during the month and were filed, one each, in the Scientific, Outlines Activities, and Trading Stamps museums.

4B - Research and Observations

4B2 - Zoology

Birds - Three animals were out of observations and notes.

Buffalo - The first observations of newborn calves for the April 15 and by the end of the month, number of young could be seen in the Tarwinkle and Buffalo Creek areas.

Bighorns - The bighorn ewes were found dead on the range. Interested were performed and appropriate conclusions made. All were dealt with locally interested with Superior, with Bureau and public forum of Montanaregulus rivalis, a species not identified or heretofore identification by Dr. Dimmick, Div. of Animal Industry-Bureau Lamb in each case. One of the rams was badly injured with one arm and both and been almost completely lost by time of finding.

Deer - Several deer, mostly bucks, were found and all were examined were found to be mostly infected with the tag lamprey.

Elk - During the first part of the month the elk followed the snow line to higher elevations however, later on the herds grazed to gain to appear at lower elevations large numbers returned to the lower valleys. The number of dead elk observed to date on the winter range is less than 100 and no heavy loss is anticipated.

Trumpeter Swan - Trumpeter swans have returned to Jackson to spend the winter from where they winter and nesting activities are from one several eighteen days earlier than the same time last year.

2C - Use of Park Facilities by the Public

2C1 - Increase or Decrease in Travel

Due to the abnormal weather conditions, the roads in the park were opened earlier than usual, which resulted in an increase in travel during the month.

520 - Visitors

Mr. Clayton Rand of Gulfport, Mississippi, national-known lecturer, writer and columnist, visited the park on April 13, making the trip only from Gardiner to Old Faithful and return.

600 - Protection

610 - Ranger Service

During the month the rangers supervised such operations as trail location and construction, insect control work, as well as engaging in regular protection and observation patrols. Open roads required regular highway patrols and entrance station duty.

630 - Wildlife Protection and Fish Cultural Activities

Fish Ecologist Joe Linduska returned to the park March 17 and continued stream survey work on the Gardiner River and Blacktail Creek drainages.

A conference regarding fish cultural matters was held April 26 with Messrs. Rogers, Madsen, LaNoue and Barrows attending.

650 - Building Fire Protection

One fire occurred in a government building this month when a CCC enrollee dropped a lighted match onto an engine base which he was cleaning with inflammable paint remover. This occurred in the machine shop which has a concrete floor and is of fire resistant construction throughout. The fire spread rapidly over the floor to other spots which were covered with the paint solvent. The fire was quickly extinguished by the use of a foam type fire extinguisher. There was no property damage or injuries resulting.

660 - Insects and Tree Diseases

Bark beetle control work in the infested Douglas Fir stands in the vicinity of the Game Ranch was completed this month. A spotting crew started work on April 12 and finished a survey of all infested areas on April 15. Control work was started as a CCC project on April 17 and completed on April 22. Complete statistics on the cost of this project and number of trees treated have not yet been prepared.

An insect survey of the limber pine stand in the vicinity of Mammoth and the Mammoth Hot Springs terraces was completed during the month and control work was started on April 24. This project had not been completed at the end of the month.

680 - Accidents

Five automobile accidents occurred during the month. No government employees or government-owned equipment were involved. No

[illegible] - History

The diagram book of [illegible], [illegible], [illegible] [illegible] [illegible], [illegible] and [illegible], [illegible] the [illegible] [illegible] [illegible] the [illegible] only from [illegible] to the [illegible] and [illegible].

[illegible] - Introduction

[illegible] - Danger Zones

During the month the [illegible] experienced such [illegible] [illegible] [illegible] and [illegible], [illegible] [illegible], it will be [illegible] it requires [illegible] and [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

[illegible] - Mining Technique and [illegible] Industries

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [

serious injuries were sustained by any persons involved. Only one accident which was of a serious nature occurred on April 9, 1939 at about 5:15 p.m., when a sedan driven by Ruth Selle, of St. Anthony, Idaho, left the highway about two miles south of Norris Junction. While driving at an excessive rate of speed, the driver attempted to adjust the front seat and lost control of the car. Damage to the car was estimated at $300.00.

600 - Public Health

Considerable damage was done to the Glen Creek diversion dam caused by a landslide on Bunsen Peak.

900 - Miscellaneous

A Minstrel Show and dance were held in the canteen on April 1, and a second dance was held on the twenty-ninth, both of which affairs were sponsored by the Federal Employees' Union.

The regular meeting of the Federal Employees' Union was held on April 15.

An 8¼-lb. baby boy was born to Mr. and Mrs. Howard Kocher in the Park Hospital in Livingston on the twenty-fifth, and the following day a 5½-lb. boy entered the family of Mr. and Mrs. William Sheridan at the same hospital in Livingston. Mr. Kocher is a permanent truck driver in the park, while Mr. Sheridan is a CCC superintendent.

Approximately 320 feet of 3-conductor #6 600-volt cable and 90 feet of 2-conductor #14 600-volt cable were installed along with three no fuse switch boxes and three trailer house coin meters in the new campground area to supply electric service for a limited number of trailers. This service will be extended should the demand for same be required.

Edmund B. Rogers
Superintendent

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10-157
(July, 1929)

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

TRAVEL REPORT

Yellowstone National Park for the month of April, 1930

	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
PRIVATE TRANSPORTATION:						
Cars first entry, ...	1014	3630	480	1957	1673	92.2
Cars reentry, ...	590	2003	191	1117	886	61.1
Motorcycles,...						
Total motor vehicles, . . .	1605	5661	671	3014	2647	87.8
Persons entering via motor vehicles, ...	3903	15734	1605	5703	6031	72.5
Persons entering via other private transportation, . . .				18	-18	-100
Total persons entering via private transportation, . .	3903	15734	1605	5703	6031	72.1
OTHER TRANSPORTATION:						
Persons entering via stages,.			4	21	-21	-100
Persons entering via trains,.						
Persons entering otherwise, .						
Total other transportation,			4	21	-21	-100
GRAND TOTAL ALL VISITORS, . .	3903	15734	1609	5724	6010	72.7

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