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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

✓	ROBERTS	✓
✓	BRUMMETT	✓
✓	JOFFE	✓
✓	NEILLSON	✓
✓	BUTTER	✓
✓	MICHAEL	✓
✓	SARAH	✓
✓	LAROUE	✓
✓	RAFROIS	✓
✓	SKINNER	✓
✓	STANLEY	✓
✓	STEVENS	✓
✓	SWANSON	✓
✓	THOMAS	✓
✓	WHITE	✓

FILE NO. 207-02-3

MONTHLY REPORT

YELLOWSTONE NATIONAL PARK

JULY

1942

IMPORTANT

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integrity of the official records.

NEWTON B. DRURY,
Director

August 5, 1942.

MEMORANDUM for the Director

Following is the report of activities for Yellowstone National Park for the month of July 1942:

Weather Conditions. While there was considerable precipitation during the months of April, May and June the month of July was quite dry in the park and the fire danger greatly increased. The weather was ideal for park travel, although the war was having a material effect on the number of visitors to the park. The maximum temperature for the month was 89° on the 6th, while the minimum temperature was 38° on the 27th. The total precipitation was .55 inches. Ten days during the month were clear, 20 partly cloudy, and 1 cloudy. Lightning storms were recorded on 12 days during the month, causing several fires which were controlled in their early stages.

Special Activities. Superintendent Rogers spent the entire month in the park, making trips outside on July 1 with Resident Landscape Architect Hill as far as Kichel Lodge on the Red Lodge-Cooke Highway and on July 21 to Grand Teton National Park with Mr. Robert V. Johnston, Senior Budget Examiner for the Bureau of the Budget.

Chief Clerk Keith P. Neilson departed from the park on July 5 for Washington, D. C. to take over the duties of Chief, Budget Section, Branch of Operations, for the National Park Service. Mr. Neilson has been in the Yellowstone organization since April 14, 1930.

The restrictions on travel and the general conditions caused by the war continued to materially affect travel. While the months of April and May showed losses of 60% compared to the same months last year and June showed a loss of 61.6%, the month of July showed a loss of 71.1% from that of last year. However, it was interesting to note that despite the heavy loss in travel as compared to the record travel last year the travel to the end of July 1942 was 20.5% more than to the same date in 1933 and 21.9% to the same date in 1932.

Fishing was unusually good in the park during the month of July and while the travel showed a loss of 65% up to the end of the month, fishermen reported catching 78,469 fish as against 118,451 to the same date last year, or 66.2%. The fishing in Yellowstone River between Lake and Canyon and in Yellowstone Lake itself was unusually fine.

19. *Leucosia* *leucostoma* *leucostoma* *leucostoma* *leucostoma* *leucostoma*

All Civil Service employees of the park were affected by the new retirement regulations which provided for a 5% deduction of the gross salary of every employee, beginning July 1, as against the previous retirement deduction of 3%.

The park operators continued to keep open their operations in the park throughout July the same as were open in June, with the exception that the Mammoth Grill was closed on July 7 and à la carte meals were served in the main dining room of the Mammoth Hotel. On July 15 permission was granted Haynes, Inc. to close its photofinishing plant in the park due to the heavy decline in business. The Cocktail Lounge in the Mammoth Recreation Hall was closed on July 20.

The rubber salvage campaign conducted throughout the country resulted in a total of 16,651 pounds being collected in the Yellowstone, 6,531 pounds of which was collected by the Government and 10,120 pounds by the Yellowstone Park Company.

The month of July saw the last of the C.C.C. operations in the Yellowstone with the abandonment of the Lake Camp on July 24 and the abandonment of the Mammoth Camp on July 25. The Yellowstone has had C.C.C. camps since the start of the organization in 1933.

Inspections. A. B. Williamson, Senior Engineer, P.M.A., Denver, arrived July 1; Captain S. S. Luce, Superintendent, Custer Battlefield National Cemetery, in northeast July 7; Charles C. Fiske, Junior Engineer, Geological Survey, Boise, Idaho, in July 10; Senior Budget Examiner Robert W. Johnston, Bureau of the Budget, Washington, D. C. in west July 20, out west July 23; H. P. Lindauer, National Park Service Engineer, Region Two, Omaha, in east July 23; A. J. Drabard, Supervisor, Safety and Project Training, C.C.C. Omaha, in south July 30.

Plans, Maps and Surveys. The greater part of the month was spent in the field. An investigation of sewage disposal problems was made at the east entrance. Additional topography was made showing alterations in road alignment. At the south entrance an investigation was made into the water and sewer problems, also additional topography covering possible future expansion was made.

Carl Berryman reported for duty as clerk on July 27.

General Publicity. No press releases or pictures were sent out by the National Park Service during the month. We have refrained from putting out any park publicity this summer and no Publicity Director was appointed. The Yellowstone Park Company sent out during the month two general stories to the park's mailing list of newspapers and radio stations.

The Yellowstone Park Company continued to furnish the National Park Service, free of charge, copies of the leaflet on the accommodations and

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services at the disposal of park visitors, which is being distributed to visitors as they enter the park gates and which supplements the Government folder which has become considerably out of date since its preparation.

General Complaints. An unusually few complaints were received during the month and these were all of a minor nature. Replies were made to the persons registering the complaints and all complaints were investigated and reports made thereon.

Road Maintenance. Road maintenance was the regular repair and cleaning of ditches. Considerable oil was placed, mostly seal coat. All sections are in fairly good condition. Weather conditions have been favorable for oiling. Labor is hard to secure and hard to keep. There is a continual turnover. During the month there have been a number of small forest fires. Small detachments of men have been picked from the maintenance crews to fight these fires, usually two or three days have passed then up.

Park Operators. The business of the park operators was about proportionate to that of travel. While the Yellowstone Park Company obtained permission to close its Canyon Hotel on August 1, it was decided at the end of July to continue the operation of this hotel until a further decrease in business warranted its closing. The Mammoth Grill was closed on July 7 and the Mammoth Cocktail Lounge on July 20. Permission was granted Haynes, Inc. to close its photofinishing plant on July 15. Dr. Jack E. Hayes, the resident park physician, departed on July 15 to enter the United States Army at Camp Pickett, Virginia. As it is impossible for the park medical officer, Dr. G. A. Windsor, to obtain a successor for Dr. Hayes, the park has been without the services of a full-time resident physician and it is doubtful if one can be obtained during the remainder of the war. The medical service in the park will be handled by Dr. Windsor and his Livingston assistant, Dr. Lueck, and possibly a full-time nurse.

Visitors. Congressman Charles H. Leavy of Spokane, Washington, recently appointed Federal Judge for the U. S. District Court, State of Washington, arrived July 20.

Roy Towl, City Commissioner, Omaha, Nebraska, former Mayor of Omaha, in July 29.

John V. Hanson, well-known photographer, in east July 31.

Ranger Service. Regular ranger work was conducted satisfactorily, however, with some difficulty of personnel management in that two seasonal rangers have resigned to accept more permanent positions during the month and our inability to fill all positions with adequate personnel. Due to the lack of fire fighting personnel usually secured from CCC Camps and other divisions of our regular forces it has become

necessary to organize protection division personnel into small "Flying Fire Fighter Squads" and these squads have been used on several forest fires during the month. On July 23, 1942 all lieu days and annual leave requests of protection division personnel were cancelled until further notice due to the fire danger hazard which exists.

Police Protection. Eleven cases were held before the U. S. Commissioner during the month with one case of apprehension in cooperation with the Federal Bureau of Investigation in violation of the Selective Service Act.

The types of violations and penalties are as shown below:

| <u>Charge</u> | <u>Fines &
Jail Sentences</u> | <u>No. of Persons
Involved</u> | <u>No. of
Cases</u> |
|--|---------------------------------------|------------------------------------|-------------------------|
| reckless Driving | \$10.00 | 1 | 1 |
| Destruction of Govt. property | 60.00 | 6 | 1 |
| Over limit of fish | 30.00 | 3 | 1 |
| Remove, disturb, destroy
Govt. property | 100.00 + 60 days | 1 | 1 |
| Speeding | 155.00 | 6 | 6 |
| Disorderly Conduct | 5 days | 1 | 1 |
| Selective Service Act | held pending FBI
action | 1 | 0 |
| | <u>\$355.00</u> | <u>19</u> | <u>11</u> |

Wildlife Administration and CCC Supervision - Maintenance. Personnel employed in the Lamar District continued the repair and cleaning of corrals at the Buffalo Ranch. Irrigation of the hay fields in this area was continued with one irrigator. All serviceable haying equipment was assembled in preparation for haying operations.

On July 21 bids for the haying operation were opened and Mr. Oscar Roseborough was low bidder at a price of \$9.00 per ton. Contract was approved by the Director and Mr. Roseborough was notified to begin operations on August 3. It is planned to cut and stack only about 300 tons of new hay this year, which with other hay on hand from the 1940 and 1941 seasons should be sufficient for regular and emergency feeding of horses and buffalo this winter.

One irrigator was engaged throughout July for irrigation of certain portions of the Game Ranch area grass and hay fields, particularly the Anton Sternitz ranch acquired by the Government last year.

Wildlife and Fish Cultural Activities. Bears.

(See next page)

and the same time, the number of species of plants and animals, and the number of individuals of each species, increase. This is due to the fact that the environment becomes more favorable for the growth and development of the species, and that the species themselves become more numerous and better adapted to their environment.

At the same time, the number of species of plants and animals, and the number of individuals of each species, decrease. This is due to the fact that the environment becomes less favorable for the growth and development of the species, and that the species themselves become less numerous and less well adapted to their environment.

As a result, the number of species of plants and animals, and the number of individuals of each species, increase and decrease in a regular, periodic manner.

The periodic increase and decrease in the number of species of plants and animals, and the number of individuals of each species, is called the "periodic law of population."

The periodic law of population is based on the following principles:

- 1. The number of species of plants and animals, and the number of individuals of each species, increase and decrease in a regular, periodic manner.
- 2. The increase and decrease in the number of species of plants and animals, and the number of individuals of each species, is caused by the change in the environment.
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| Comparative Bear Injuries and Damages | | | | | | 10-year av. | | | |
|---------------------------------------|--------|------|------------|--------|------|-------------|-------------|------|------------|
| | 1942 | | | 1941 | | | 1931 - 1940 | | |
| | Season | | | Season | | | Season | | |
| | June | July | to
Date | June | July | to
Date | June | July | to
Date |
| Personal Injuries | 9 | 7 | 16 | 6 | 43 | 49 | 7 | 22 | 29 |
| Property Damages | 24 | 45 | 69 | 17 | 51 | 68 | 10 | 57 | 67 |
| Total Incidents | 33 | 52 | 85 | 23 | 94 | 117 | 17 | 79 | 96 |
| Bears Killed | 9 | 44 | 54 | 0 | 18 | 18 | 2 | 10 | 12 |

A serious grizzly bear situation has occurred at Old Faithful, Canyon and particularly at Fishing Bridge. Two campers, sleeping in the Fishing Bridge campground, received minor injuries from a female grizzly during the early morning of July 26 when one was attacked in bed and the other while trying to chase the animal away from his camping partner. Twelve grizzlies frequenting the Fishing Bridge area were killed for control purposes during July and two were killed at Old Faithful and two at Canyon, making a total of 16 in all.

It will be noted from the above table that the total number of bear incidents for 1942 to date is much less than for 1941 and also below the ten-year average. Personal injuries reported are lower but property damages higher.

Fish Culture and Planting. Spawn collection work by the Fish and Wildlife Service was continued at several trapping locations in the eastern part of Yellowstone Lake until near the last of July. Total collections will be considerably less than in 1941 due to cold water temperatures of the early summer and consequent lack of fish runs into trapped streams.

All of the eyed egg plants of blackspotted trout, as called for in the 1942 fish planting plan, were transported by Fish and Wildlife Service trucks and National Park Service pack horses and the last plant was completed on July 29.

Arrangements have been made with the Fish and Wildlife Service for trucking of all remaining fish plants in their distribution equipment.

Fishing has been excellent in most all of the park waters. Fishing intensity is much below last year.

CCC Activities. On July 21, CCC Company 560 Camp, located at Yellowstone NP-16, was abandoned and enrollees transported to the train at West Yellowstone. On the following day, July 25, CCC Company 555 Camp located at Mammoth NP-1, was abandoned and enrollees left by train from Gardiner. Company Commanders remained at their respective camps to check and protect Army property until other arrangements are made.

the same time, the number of species and individuals per sample were recorded. The samples were collected at different times of the day, and the results were compared. The data were analyzed using statistical methods to determine the relationship between the number of species and individuals per sample and the time of day.

CCC work projects throughout most of the July period consisted of clean-up on various jobs, collection and storage of equipment and material.

Following the departure of enrollees, the park warehousemen and others devoted most of the remainder of the month to checking of CCC property and inventories.

Associate Engineer Willard Lindauer arrived from the Regional Office on July 23 to assist with clearance of CCC property and Mr. A. J. Brahurst came from Grand Teton on the 31st to assist Mr. Lindauer.

Forest Fire Protection and Control. A total of 15 fires were reported during the month that were all held to Class A size except one reported on the 29th at Union Falls in the Bechler River District. The fire condition has been progressively getting more critical throughout the month, with dry lightning storms and very little moisture, which has necessitated manning of all regular protection points and all of the secondary lookouts. Although there are no physical improvements at Purple Mountain, proposed lookout site, it has been necessary to man this point with a makeshift establishment.

Cooperative conferences were held with the Supervisor of the Teton National Forest and the Superintendent of Grand Teton National Park and agreements reached which were to be of mutual benefit to both agencies.

Defense Training Program. The Defense Training program under the supervision of Park Naturalist Bauer has continued throughout the month of July. Over 300 Government employees have been given training courses from 25 to 36 hours and on July 22 training started for the employees of operators and others interested in the program from a voluntary basis. At the last of the month the first aid courses were being given to 125 people - 21 at Mammoth, 65 at Old Faithful, 21 at Fishing Bridge, and 18 at Canyon.

The attendance rolls will be compiled so that all employees of the Service in Yellowstone Park will be rated according to the number of hours which they attended and general interest shown. A report of this project will be submitted after the present courses are completed.

Trails. Regular trail maintenance has been carried on throughout the month in the Tower Falls and Lamar Districts by a four man trail crew. Due to the lack of funds and labor it has been impossible to clear all of the park trails to date.

Increase or Decrease in Travel. Fifty-six thousand two hundred and two persons entered the park during July of this year as compared to one hundred and ninety-four thousand six hundred and eleven during July of 1941. The total persons entering the park for this travel year

considered a sufficient value until after the first year, and the amount of the
allowance is to be determined by the ratio of the total amount of the
allowance to the total amount of the first year's allowance.

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to date is 118,356 as compared with 538,427 for 1941, a decrease of 220,071, or -65%.

Fifteen thousand nine hundred and eighty-five motor vehicles entered the park in July of this year as compared to fifty-five thousand five hundred and sixty during the same month in 1941. The total motor vehicles entering the park for this travel year to date are 36,177 as compared with 161,594 for 1941, a decrease of 65,417, or -64.4%.

July 1942
Travel by Entrances for Month

| Entrance | First Entry | | Re-Entry | | Total | |
|-----------|-------------|-------|----------|-------|-------|-------|
| | Cars | Pass. | Cars | Pass. | Cars | Pass. |
| North | 1349 | 4198 | 527 | 1011 | 1676 | 5503 |
| West | 4979 | 17416 | 335 | 1137 | 5314 | 18553 |
| East | 3523 | 11695 | 412 | 1394 | 3935 | 13089 |
| South | 3030 | 9975 | 212 | 708 | 3212 | 10683 |
| Northeast | 1532 | 5191 | 234 | 730 | 1766 | 5921 |
| Totals | 14413 | 48769 | 1520 | 4980 | 15935 | 53749 |

Motorcycles: 92 motorcycles - 75 passengers

Other transportation:

Boat - 182

Miscellaneous (horseback, hitchhikers, etc.) - 114

Rail and bus - 2054

Forestry - Fire Training Schools. The greater part of fourteen days of this month was spent in conducting fire protection training classes. About 290 National Park Service and Operator's employees received three and one-half hours of instructions in the common causes of fires in buildings and how to prevent fires from starting and in the use and care of fire extinguishers. About half an hour of each training session was devoted to the control of incendiary bombs. Schools were conducted at Mammoth, Old Faithful, West Yellowstone, Snake River, Lake, Canyon and Lower Falls.

Building Fire Inspections. Fire inspections for most of the buildings in the park were completed this month. A few of the employee's quarters at Mammoth have not yet been inspected but this will be done in the near future. All fire extinguishers in government buildings at Mammoth have been serviced as the buildings were inspected.

Grass Seed Collection. On July 27 a crew of 20 of the children of various employees at Mammoth started collecting native grass seed

and the first time I have seen it. It is a very large tree, and has a very large trunk.

The tree is very tall, and has a very large trunk. It is a very large tree, and has a very large trunk.

What you can do to help

| What you can do to help | What you can do to help | What you can do to help | What you can do to help |
|-------------------------|-------------------------|-------------------------|-------------------------|
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What you can do to help

for planting along the cuts and fills on the Old Faithful-Ice Lake section of the Grand Loop Highway. At the end of the month about 300 pounds of the 700 pounds required had been secured. The seed-pickers are working under the supervision of Mrs. Arthur A. Peterson.

Accidents. There were seven automobile accidents reported and investigated during the month. Only one involved a government-owned vehicle and the remainder were privately-owned vehicles. All accidents were of a minor nature with property damage resulting for the most part with little personal injury to occupants.

Miscellaneous. A son was born to Mr. and Mrs. Grant Anderson at the Park Hospital in Livingston on July 26. Mr. Anderson is employed as a permanent warehouseman. A daughter was born to Mr. and Mrs. John Macbeth at Blackfoot, Idaho on July 30. Mr. Macbeth is employed as Senior Personnel Clerk.

Superintendent.

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more pronounced. It will be seen that the small plateau and the large plateau are both very flat, and the smaller one is flatter than the larger. The two plateaus are separated by a deep hollow which has a sharp rise at its head.

The small plateau is composed of a thin layer of sand, which is about 10 feet thick. The larger plateau is composed of a thin layer of sand, which is about 10 feet thick. The two plateaus are separated by a deep hollow which has a sharp rise at its head.

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CLASS: 10

