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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Yellowstone NATIONAL PARK

FILE NO. 207-02.3

SUPERINTENDENT'S MONTHLY REPORT

JUNE 1950

	ROGERS	
✓	JOHNSTON	38
✓	JOFFE	38
✓	ANDERSON	38
	STANTON	
	FULLER	
✓	MATTSON	38
✓	CONDON	38
✓	SKINNER	38
✓	EVANS	38
	CHAPMAN	38
	FINCH	38
	JAY	38
✓	KITTAMS	38
✓	WOLBERMAN	38
	ROBINSON	
	WIGGINS	
	MOOREHEAD	

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NEWTON B. DRURY,

Director.

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

Office of the Superintendent

Summary of the June 1950 Monthly Narrative Report for
YELLOWSTONE NATIONAL PARK

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<u>WEATHER:</u>	Normal temperatures and below normal precipitation. Considerable snow remained higher elevations. Maximum 80°, minimum 27°.	1
<u>SPECIAL ACTIVITIES:</u>	Rogers to Livingston & Bozeman; on annual leave to Colorado. Johnston, Condon & Watson to Livingston re. Gardiner school. Johnston to Missouri Basin Council meeting, Great Falls, and to Glacier. Johnston & Mattson to West Yellowstone re airport. Mattson to Custer with Lindauer; to Glacier.	1
	Ice out on Yellowstone Lake 1st; Lewis Lake 16th. South Entrance open 5th, Continental Divide 6th, Dunraven 10th, Red Lodge-Cooke 15th. South opening latest since use of SnoGo. Collection fees started 5th. Bids opened Custer museum; Director approved award to Boespflug Constr. Co. Liberty Bell through park on bond drive. New telephone directories out. Chief Clerk Anderson hospitalized week due auto accident. American Society of Mammalogists meeting here; Rogers spoke.	2
<u>INSPECTIONS:</u>	R.O.Trusty, L.W.Buelter, R.W.Everard, GAO; John C. Gynn, Bur. Entomology, in.	2
	S.A.Rohwer, J.F.Martin, W.L.Brown, Andrew C. Warming, E.O.Larson, Carl R. Swartzlow, Weldon B. Robinson (departed), Victor H. Cahalane, John D. Coffman, Maynard Barrows, Melvin Borgeson, Richard C. Puckey, Chas. S. King, Harry McMillen.	3
<u>IN-SERVICE TRAINING:</u>	Training by Protection & Naturalist Divisions for concessioner employees, etc. Training of rangers on cash registers at gates. Seasonal personnel training. Newsletter.	3
<u>PUBLICITY:</u>	Story to AP & UP on South Entrance & accommodations openings; to press on Custer museum contract; to AP on Red Lodge road opening. No publicity director, handled by Joffe. First shipment 1950 broadsides received; 350,000 to be furnished.	4

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<u>PLANS, MAPS AND SURVEYS:</u>	Wohlbrandt to Denver conference re. Lake sewer system. Force on active construction projects. Two engineering aids here from Region; two more expected soon.	5
<u>MAINTENANCE:</u>	Wet month bad for maintenance. Patching, washouts. Large hole developed in road at Mammoth; filled & repaired. Snowplowing continued rugged; road openings listed. Toughest plowing since use of SnoGos begun. Reprocessing, resealing, guide posts & reflectors, sunken fills. Necessary plow passes 8th, Red Lodge road 25th--drifts to 4 feet.	5
	3 new trucks & shovel attachment received. New bridge decking & rail. All crews operating, total 160 men.	6
<u>NEW CONSTRUCTION:</u>	Work South Entrance road resumed; another section awarded. 4 residence bedrooms complete. Excavation completed West Yell. basement. Work sewer system, Fishing Bridge, and roads & comfort station & water lines, Old Faithful.	6
<u>CONCESSIONERS:</u>	Gasoline prices raised. Accommodations opening dates. Mr. Nichols office to Mammoth. "Help Specials" arrived. Medical Service & Haynes rates approved.	6
<u>RELIGIOUS SERVICES AND CHAPEL USE:</u>	Religious services program in full effect. Two student ministers arrive assist services.	7
<u>INTERPRETIVE SERVICES:</u>	Program signs prepared. Condon talked to Methodist Ministers wives, Livingston. Interpretive services in full effect. Nature trail laid out at Thumb. Talk by Condon to Mammalogist Society meeting; wildlife search trip. Trail work at Norris. Interpretive program reviewed.	7
<u>MUSEUM ACTIVITIES AND EXHIBITS:</u>	Museums prepared and opened for season. New flag poles three museums.	8
<u>RESEARCH AND OBSERVATION:</u>	Article in Natural History by former Naturalist Sanborn and one prepared on thermal phenomena by Naturalist Marler. Mud Volcano area observed.	8
<u>NATURAL HISTORY ASSOCIATION:</u>	Renee Olson Clerk and Jean Swartzlow Librarian. Nature Notes. New bird book. Publications sales.	9
<u>INCREASE OR DECREASE IN TRAVEL:</u>	193,339 people against 194,090 last June. Total for season down 4%. North Entrance gain 12.8%. Travel loss due late openings & adverse weather.	10

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<u>VISITORS:</u>	Osamu Ikenouye, Wm. H. Erickson, Jalmar Johnson, Dr. Edouard Schneider, Dr. W.G.N. van der Sleen, Glen Sherrard, Alfred M. Baily, C. E. Scoggins, Joseph P. Wasserburger, in.	10
<u>RANGER SERVICE:</u>	Entrance station duty, in-service training, etc. 18 cases car-breaking investigated.-Man convicted.	10
<u>WILDLIFE AND FISH</u> <u>CULTURAL ACTIVI-</u> <u>TIES: BEARS:</u>	7 bear damages; 7 minor injuries. 3 grizzlies shipped to National Zoological Park.	
<u>FISH:</u>	Stream fishing poor. Fish plantings.	11
<u>STREAM POLLUTION:</u>	Mine refuse into Creek through break.	11
<u>ELK TAGGING:</u>	69 calves tagged by Montana Game Dept.	11
<u>COYOTE STUDIES:</u>	Robinson, F&WLS, collecting tagged coyotes.	11
<u>RODENT CONTROL:</u>	13 $\frac{1}{4}$ ground squirrels taken. Also affecting range.	11
<u>FOREST FIRE PRO-</u> <u>TECTION:</u>	Fire cache man reported. Equipment ready and distributed. Fire control aid training; to stations 23rd. 2 FM radios ordered. Corral & lookout work.	12
<u>WOOD UTILIZATION:</u>	Permit to Roseborough for Y.P.Co. wood.	12
<u>BLISTER RUST CONTROL:</u>	Gynn in. Work delayed by snow & rain. 137 man-days & 21,413 ribes. Coffman, Barrows, Skinner, Gynn & Chapman inspect addition at Dunraven.	12
<u>BUILDING FIRE PRO-</u> <u>TECTION:</u>	Fire engine drills. Underwriters for Y.P. Co. buildings and NPS inspections. Fire Hazard Inspection Report being prepared.	12
<u>TRAILS:</u>	31 trailmen including rangers before and as such. 12 on crew now. Work on Howard Eaton Trail Norris to Fountain Flats. Equipment purchased. Trail maintenance training of fire control aids. Snow & high water hampered maintenance.	13
<u>MOTOR VEHICLE</u> <u>ACCIDENTS:</u>	29 motor vehicle accidents reported, none involving Government vehicles.	13
<u>LAW ENFORCEMENT:</u>	19 cases presented before U. S. Commissioner.	13
<u>PERSONNEL:</u>	Seasonal employees Boyd Stewart, Ruth Carlson, Robert Lee, Alma Hood, Leontine Turco, Phillip Tompkins, LaRay Bingham, John McDougal, Wm. Olson, Jr., Patricia Shanstrom. Lloyd C. Anderson permanent appt. Electrician. Ruben O. Hart promoted to District Ranger and Joe J. Way to Park Ranger GS-6.	13
<u>MISCELLANEOUS:</u>	Last meeting FEU before summer season.	14

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

Office of the Superintendent

July 7, 1950

Memorandum

To: The Director
From: Superintendent, Yellowstone National Park
Subject: Monthly Report for June 1950

Following is the report of activities for Yellowstone National Park during the month of June 1950:

Weather Conditions. The general temperatures throughout June were fairly constant and near normal for the period with a few exceptions. Snow storms occurred the 2nd and 8th and a greater than normal amount of snow remained in the higher elevations throughout the month. Precipitation was below normal with 1.78" as compared with 2.06" in 1949, 3.25" in 1948 and 4.79 in 1947. The maximum temperature of 82° was recorded on the 30th and the minimum temperature of 27° was recorded on the 3rd.

Special Activities. Superintendent Rogers went to Livingston and Bozeman on June 1 to discuss telephone and power matters and to work in the Bozeman Library in connection with his project covering the legislative history of the National Park Service areas. On June 6 he entered on annual leave in order to make a trip to Boulder and Denver, Colorado, returning the evening of the 9th. Another trip was made to the Bozeman Library on the 27th.

Assistant Superintendent Johnston went to Livingston on June 1 with Chief Park Naturalist Condon and Park Naturalist Watson for a conference with Congressman Wesley A. D'Ewart and members of the Gardiner School Board in connection with the Gardiner school situation. On June 22 he went to Great Falls to attend a conference of the Montana Missouri Basin Council of State and Federal agencies, returning on the 25th by way of Glacier National Park where he conferred with officials there on park matters. On June 27 Mr. Johnston and Landscape Architect Mattson went to West Yellowstone for a conference with CAA officials on the proposed new West Yellowstone airport.

Resident Landscape Architect Mattson went to Custer Battlefield National Monument on June 1 with Engineer Lindauer of the Region Two Office in connection with Custer matters. On June 10 he left for a week's trip to Glacier National Park to handle Glacier affairs, returning on the 17th.

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

August 10, 1908

Dear Sir:

Very pleased to hear of your interest in the

Yellowstone National Park and its resources.

I am sure you will find it most interesting.

I am, very respectfully,
Yours truly,
J. B. Henshaw, Superintendent

The Yellowstone National Park is a vast and beautiful area, covering over 3,000 square miles. It is home to a wide variety of wildlife, including bison, elk, and moose. The park is also known for its geothermal features, such as geysers and hot springs. The Grand Canyon of the Yellowstone is a spectacular natural wonder, and the Old Faithful geyser is one of the most famous in the world. The park is a treasure trove of natural beauty and scientific interest.

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The ice did not go out of Yellowstone Lake this year until June 1. It was June 16 before the ice went out of Lewis Lake.

The South Entrance road was not open to travel until June 5, which is the latest opening date for this entrance since the use of the SnoGo road clearing equipment. The Continental Divide road was open on June 6 and the Dunraven Pass road on June 10. The Red Lodge-Cooke highway was open to travel on June 15.

The collection of motor vehicle license fees was started this year on June 5.

Bids were opened in the Yellowstone on June 5 for the construction of a museum at Custer Battlefield National Monument. J. C. Boespflug Construction Company, Inc., Billings, was the low bidder with a bid of \$97,500. On June 29 the Director approved the award of the contract for the construction of this museum to this low bidder and it is expected that work will start about the middle of July.

The Liberty Bell used by the State of Wyoming, which is a replica of the Liberty Bell which hangs in Independence Hall in Philadelphia, was brought into the park on June 11 at West Yellowstone and rung in several places around the park. These Liberty Bells were used to promote the sale of U. S. War Savings Bonds in connection with the Independence Bond Drive which ends July 4. The bell was taken out the East Gate on June 11 en route to Cody. Walter Albertson was the driver of the truck carrying the bell.

New telephone directories for the park for 1950 were distributed on June 15. These directories were printed at the Yellowstone Park Company print shop at Mammoth by Joe Bill in charge of the print shop, the material and labor in connection therewith having been donated by the Yellowstone Park Company.

Chief Clerk Ernest R. I. Anderson was in an automobile accident about a mile south of Gardiner on June 24 which resulted in injuries necessitating his being hospitalized for a week. While driving south from Gardiner toward Mammoth, Anderson, in trying to pass another car, hit a soft shoulder, throwing him to the other side and overturning his car, resulting in considerable damage thereto.

The thirteenth annual meeting of the American Society of Mammalogists was held at Mammoth from June 25 to 28, inclusive. A number of prominent biologists and naturalists attended the meeting. Superintendent Rogers spoke before the group at the opening meeting on June 26. Meetings were held in the Canteen.

Inspections. R. O. Trusty and L. W. Buelter, Representatives, General Accounting Office, Los Angeles, in June 4 to audit accounts of concessioners. Joined by R. R. Everard, arriving June 10. All departed June 26. John C. Gynn, Operations Supervisor, Bureau of Entomology and

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Plant Quarantine, Spokane, Washington, in June 5 to assist in field training on blister rust control work in the park. Out 6th. S. A. Rohwer, Assistant Chief, Bureau of Entomology and Plant Quarantine, Washington, D. C., and Dr. J. F. Martin, Chief, Division of Plant Disease Control, Washington, D. C., in East June 16, out 17. W. L. Brown, Chief, Exhibits Preparator, Smithsonian Institution, U. S. National Museum, Washington, D. C., in June 12. Andrew C. Warming, Inspector, Bureau of Prisons, Washington, D. C., in June 22 to inspect Mammoth Jail, out 23. E. O. Larson, Regional Director, Region Four, Bureau of Reclamation, Salt Lake City, Utah, in June 23, out 24. Carl R. Swartzlow, Regional Naturalist, Region Two, in June 23, out 29. Weldon B. Robinson, Predatory Animal Officer, Fish and Wildlife Service, Denver, who arrived in the park May 27 on coyote migration studies, departed June 29. Victor H. Cahalane, Chief, Biological Branch, NPS, Washington, D. C., in South June 23 to attend American Society of Mammalogists Meeting; expected to leave July 1. John D. Coffman, Chief Forester, NPS, Washington, D. C., in South June 25 and expected depart July 2. Maynard Barrows, Forester, Region Two, in June 24; expected depart July 1. Melvin Borgeson, Chief, Planning Branch, Airport Division, CAA, New York City, in June 26 in connection with new West Yellowstone airport. Accompanied by Richard C. Puckey, Chief, Airport Division, CAA, Seattle, Washington, and Charles S. King, District Airport Engineer, CAA, Helena, Montana. Harry W. McMillen, F. B. I., Casper, Wyoming, in June 29.

In-Service Training. Park Rangers and Naturalists cooperated to conduct a series of meetings with employees of park concessioners. Each meeting lasted two hours and subjects presented included history of Yellowstone National Park, organization policies, regulations and objectives of the Service, natural phenomena of the park and service to the visiting public. Moving pictures of Yellowstone were included in each program. These programs were presented as shown below:

Fishing Bridge, June 22, 90 present; Lake Lodge and Hotel, June 26, 150 present; West Thumb, June 28, 50 present; Canyon Lodge, June 15, 123 present; Canyon Hotel, June 22, 150 present; Canyon Stores, June 29, 40 present; Mammoth, June 6, 250 present; Total, 858 present.

The installation of cash registers at the five entrance stations necessitated the preparation of a complete new set of instructions and training of all checking station personnel to enable them to operate the machines and handle funds in accordance with the new procedures. Forty permanent and seasonal park rangers received from a minimum of three hours to eight hours or more of formal training before starting actual work at the checking stations. On-the-job training continued after the men assumed their new duties.

Instruction, which followed the Yellowstone Park Ranger's training outlines, and on-the-job supervised training provided approximately 360 man hours of training for seasonal rangers during the month.

The acute shortage of seasonal rangers, which resulted from insufficient funds to employ a full complement of men at the usual time, made it necessary to hold instruction periods during off duty hours at all field stations.

Eighteen new seasonal rangers each received 12 hours of formal instruction in twelve subjects pertinent to their work. The park headquarters staff members served as instructors for the intensive training designed to prepare the new men to meet the specific requirements of their various duties. This preseason training program also included a complete tour of the park with lectures at the principal points of interest. This trip has proved particularly valuable in orienting the seasonal rangers in their new surroundings and enables them to give accurate directions to park visitors.

The following talks were given by the Chief Park Naturalist or by members of the division to Yellowstone Park Company employees for the purpose of providing proper orientation for them and an indoctrination to Yellowstone Park and its lore: June 6 - 150 Yellowstone Park Company employees at Mammoth; June 11 - 160 Yellowstone Park Company employees at Canyon Lodge; June 22 - at Fishing Bridge to 75 employees; June 23 - at Canyon Hotel to 200 employees and 200 guests. On June 20 a special fire protection training film was shown in the recreational hall in Mammoth to 40 people. On June 12 there was a program given at park headquarters to the seasonal park ranger naturalists for their pre-season training and orientation at which there were 18 people in attendance. On the evening of June 30 a talk and orientational program was given to 18 temporary park rangers and an additional 75 guests who attended the program.

The Naturalist Division conducted an in-service training program for inexperienced seasonal park ranger naturalists. Seven men participated in this program and they were Roeder, Beal, McNutt, Downing, Murphy, Turner and Asmussen. Chief Park Naturalist Condon, Park Naturalist Watson and Park Naturalist Upton conducted the training activities which lasted for three days from June 12 through June 14.

The regular weekly newsletter was issued keeping employees of the park current on park activities.

Publicity. On June 5 a story was phoned the Associated Press and United Press, Helena, on the opening of the South Entrance Road and the opening of accommodations in the park. A story was released to the press on the 15th on the award of the contract for the construction of the new museum at Custer Battlefield National Monument to J. C. Boespflug Construction Company, Inc.

A story on the Red Lodge-Cooke Highway opening was phoned the Associated Press on June 15.

No publicity director was engaged for the 1950 season, the park's publicity being handled by Administrative Assistant Joffe.

The park's first shipment of 1950 broadsides was received on June 5. A total of 350,000 copies are to be furnished the park.

Plans, Maps, and Surveys. Park Engineer Wohlbrandt made a trip to Denver on June 13 for a conference with U. S. Public Health Service and Region Two officials on the Lake sewer system. He returned on the 15th.

Members of the engineering force spent most of the time during the month on active construction projects at the Old Faithful campground and at the Lake Hotel cottage area and Fishing Bridge cabin area. The two engineering aids on loan from the Regional Office provided much-needed help, both doing instrument work. Two additional aids from the Region Two Office are due to arrive in the park July 2.

Maintenance. June, as usual, was quite wet and gave us a bad time with maintenance operations. Heavy patching was required on all our older roads and some patching on almost all sections, both new and old. Washouts occurred on the Canyon-Norris section and on the South Forest one of the Arizona Creek bridges was undercut and the road closed to traffic for a short time.

On June 22 a large hole developed in the middle of the road back of the Mammoth Hotel. The hole was about 30 feet in diameter and nearly 40 feet deep. A good sized stream could be seen at the bottom. The hole was filled with large boulders and the surface repaired.

Snow plowing operations continued very rugged until the very end. The plows finished the South Entrance on June 3 and the road was opened to traffic June 5 about two weeks behind schedule. The Old Faithful to Thumb section was opened to traffic on June 6 and Canyon to Tower Falls on June 10. This completed the plowing inside the park. The Red Lodge road was opened to traffic June 15, but widening was not completed until next day. This was by far the toughest snow plowing operation ever had in Yellowstone since using the rotary SnoGos.

Nearly seven miles of old road was reprocessed during the month and twelve miles resealed. Approximately 2,500 feet of old rotted guard rail was replaced with guide post and reflectors. Five sunken fills were repaired on the Mammoth-Norris section and one large sink approximately 350 feet long and 8 feet deep on the Red Lodge-Cooke section. One section of the Canyon Hotel parking area was reprocessed, but the other two were postponed because of extremely heavy traffic.

On June 8 it was necessary to send out the snow plows to open Craig Pass and Sylvan Pass. On June 24 and 25 a fresh snow storm closed the Red Lodge road for a few hours. Drifts were up to four feet deep.

Three new Reo dump trucks were received the latter part of the month and also the back-hoe attachment for our Speeder shovel. All equipment was immediately put to work.

New bridge decking and rail were placed on Crazy Creek and Clarks Fork bridges and new rail only on Wyoming Creek and Rock Creek bridges.

At the end of the month all road crews were operating and located at Mammoth, Madison, Gallatin, Old Faithful, Thumb, South Forest, Lake, East Entrance, Canyon, Tower Falls, Northeast Entrance, Beartooth and Rock Creek. Besides these there were four special crews. The number of men on road maintenance totaled about 160.

New Construction. Construction work on Moran-Yellowstone approach road, Section D, Unit 1, under contract of Jones & Hurley, was resumed early in the month, clearing and burning being the major job. Camp was set up at Lizard Creek. Most of the clearing had been completed by the end of the month.

Bids were opened in Denver by the Bureau of Public Roads on June 14 for constructing project Moran-Yellowstone approach road, Section D, Unit 2, Grading and Base Surfacing 8.386 miles. J. J. Dooling, Denver, Colorado, was the low bidder with a bid of \$340,712. Eight bids were received. Award to the low bidder was recommended but the contract had not been signed by the end of the month.

The addition of bedrooms to four residences at Mammoth, Account 430, was completed during the month. Most material was on order and excavation for the basement was completed on the employees' residence at West Yellowstone, Account 431. 450 feet of sewer pipe was placed and work on manholes begun on the sewer system extension, Fishing Bridge Cabin Area, Account 453. 2,500 feet of road and parking areas were cleared and islands partly complete on the Old Faithful campground roads, Account 500. Four comfort stations were partly constructed and about 2,400 feet of water lines put in place in connection with the Old Faithful campground facilities, Account 471.

Concessioners. The price of gasoline was increased in the park effective June 1, making the cost of regular gas at Mammoth and Camp Roosevelt 30¢ and Ethyl 32¢, at Canyon 31¢ and 33¢ and at other points in the park 31¢ and 33¢.

The Mammoth tourist cabins and Mammoth repair shop were opened on June 3; also the cabins but no meals at Old Faithful and Lake lodges.

W. M. Nichols, President of the Yellowstone Park Company, opened his offices at Mammoth on June 5.

The Canyon lodge cabins were opened on June 10 but no meals were served. The Mammoth cottages also opened on this date.

The Northern Pacific and Union Pacific "Help Specials" bringing employees for the various concessioners from St. Paul and Los Angeles arrived at Gardiner and West Yellowstone, respectively, on June 11.

The Mammoth Grill and Old Faithful, Lake and Canyon lodge dining rooms opened June 12. Old Faithful Inn started taking in guests June 13 and the Thumb cafeteria opened on the same date. The Mammoth cafeteria opened June 15. Old Faithful, Canyon and Mammoth Hotels officially opened June 19 but these operations had been actually open several days previous to take care of large Shriners parties. Saddle horses became available on the 19th. Trains to the various entrances started delivering their passengers on June 19 and the park buses started operations on that date. Camp Roosevelt and Lake Hotel opened on June 20 but the cottages in connection with the Lake Hotel are not expected to be in operation until about the middle of July.

The medical service rates for 1950 for Drs. Lueck and Pearson were approved on June 21 and the rates for Haynes Inc. for 1950 were approved on the 23rd.

Religious Services and Chapel Use. The entire religious services program for the park was in full effect on June 25 when at that time Roman Catholic, Protestant and Latter Day Saint services were held at the various stations throughout the park. The two student ministers arrived in the park to begin conducting Protestant services at some stations on June 4. Services were conducted by these men June 4, 11, 18 and 25. These student ministers are Mr. Warren Ost and Mr. Donald Bower from the Princeton Seminary. Their work during the month has been very commendable, the services have been well attended by employees and park visitors and the program to date has been very successful. The Park County Ministerial Association conducts Protestant services at Mammoth and Old Faithful. The Latter Day Saints conduct services at Mammoth, Old Faithful, Fishing Bridge and Canyon.

Interpretive Services. During the month a text for signs publicizing the interpretive services which are available to the visitors was prepared and taken to Livingston, Montana, on June 9 for printing by the job printer there. These program announcements were paid for by the Yellowstone Library and Museum Association.

On June 9 Chief Park Naturalist Condon went to Livingston, Montana, where he presented a talk to the Methodist ministers wives association on Yellowstone National Park. There were 70 women in attendance at this meeting.

The full program of interpretive services was in operation on June 20 and activities have been well attended by the visitors since that date.

On June 20 Chief Park Naturalist Condon and Park Naturalists Watson and Upton went to West Thumb where they laid out a nature trail to

be used at that station. This trail follows down the lake shore for a distance of about $3/4$ of a mile and then comes back through the woods to the point of beginning and has along it many interesting features which can be interpreted to the visitor.

Chief Park Naturalist Condon gave a 30-minute talk to the American Society of Mammalogists on June 26. There were 127 people present. This same group of people were taken on a wildlife search trip in the evening and 97 people participated and traveled on this trip in 19 automobiles. On the trip a large number of antelope, elk and moose were seen.

The self-guiding nature trail at Norris Geyser Basin was established and water-proof, treated labels are being used in an attempt to contend with the basin fog and general weathering conditions which prevail in that area. The interpretive programs at several of the stations have been audited by members of the permanent Naturalist Division and a review of them made with the seasonal men conducting them.

Museum Activities and Exhibits. The Fishing Bridge Museum was opened to public visitation on June 7. The shutters on this building were taken off on June 5 and it was given a thorough house cleaning before opening to the visitors. The rest rooms of this building were repainted and thoroughly fixed up.

The shoring poles were removed from all museums during the month, the shutters were taken off and the museums were open for business on the following dates: Norris - June 5; Madison Junction - June 16; and Fishing Bridge - June 7. The Old Faithful and Mammoth museums were opened in May and were open to visitors throughout the entire month of June.

New flag poles were erected at Norris and Madison on June 29 and at Fishing Bridge Museum on June 30.

Research and Observation. On June 5 Park Naturalist Upton and Chief Park Naturalist Condon made a trip around the loop to Fishing Bridge and Old Faithful and at that time delivered the sales publications to the Old Faithful museum for the beginning of that operation. Observations were made on wildlife, snow conditions and other factors on this trip. The Fishing Bridge museum was opened and some of the shutters removed.

Former Park Ranger Naturalist, William B. Sanborn had published in the June issue of Natural History an article on an experience which he had on Swan Lake Flat. This article was entitled "An Electrical Bath in Yellowstone". Mr. George D. Marler has prepared an interesting article for publication on the thermal phenomena of the Upper, Midway and Lower Geyser Basins. This is being submitted in the near future to a scientific journal for publication.

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On June 29 the interesting thermal area above the Mud Volcano was visited again and was found to be of unusual interest. The spectacular mud volcano at this spot has shifted its zone of activities some 30 feet and is now cutting into the hillside and has formed a bank approximately 9 feet high. The bursts of activity throw the black mud often to heights of 25 feet. This particular hydrothermal feature is of unusual interest and those visiting Yellowstone Park who are interested in such phenomena should not fail to visit this spot.

On this same day the Hayden Valley dump ground on Trout Creek was visited and in this general area 16 different grizzly bears were observed, and in addition, in the valley several large bands of elk were seen and two fairly large herds of bison.

Black bears with cubs have not been commonly seen so far this spring, but there has been one with two cubs and one with one cub which quite regularly are seen along the Tower Falls road. No other female bears with this years cubs have been reported as being seen on trips around the park by members of the Naturalist Division.

Natural History Association. The Yellowstone Library and Museum Association has employed Miss Renee Olson to serve as a clerk for the Association for the period from June 1 through to October when the Association will close its fiscal year's business. Miss Olson's duties will be the handling of all sales publication business, the banking of monies and transacting other business as assistant to Park Naturalist Watson in the Association's activities.

Miss Joan Swartzlow arrived in the park on June 17 and entered on duty as park librarian employed by the Yellowstone Library and Museum Association on June 19.

Five hundred and sixty copies of Yellowstone Nature Notes, May-June issue, were prepared and sent out in the mail and locally by the Association in cooperation with the members of the Naturalist Division.

The Association stocked on a consignment basis a new book entitled "What Is That Bird?" by C. A. and R. C. Stebbins. The books offered for sale by the Yellowstone Library and Museum Association at museum information desks were placed on sale at the Mammoth Museum on June 5, at the Old Faithful Museum on June 5 and at the Fishing Bridge Museum on June 8.

Increase or Decrease in Travel. During the month of June this year a total of 193,339 people entered the park as compared with 194,090 people for the same period last year, which is a loss of -0.4%. The total season travel ending June 30 showed that a total of 243,388 entered the park this travel year as compared with 253,649 in 1949 or a loss of -4.0%.

The North Entrance showed the only gain over 1949, being 12.8% ahead of last year, while the Northeast Entrance showed the greatest loss, -19.8%, followed by the West Entrance, -8.1%, and the South, -6.1%. The loss in travel is attributed to the fact that the South Entrance was not open to travel until June 5 and the Northeast Entrance until June 15 and some interior roads the first week in June. Unfavorable weather the first part of the month with two snow storms adversely affected travel.

Visitors. Osamu Ikenouye, Representative, National Park Division, Japanese Government, in June 8, out 10. William N. Erickson, President, Board of Forest Preserve Commissioners, Cook County, Illinois, in June 15 with Shriner party. Jalmar Johnson, Sunday Editor, Portland "Oregonian", in June 25. Dr. Edouard Schneider, Deputy Director, Mission of the German Federal Republic to the E.C.A., in June 25. Dr. W. G. N. van der Sleen, Dutch author and lecturer, in June 26. Glen Sherrard, owner of Parker House, Boston, Massachusetts, and Chairman of Affairs Committee, American Hotel Association, in June 24, out 27. Alfred M. Baily, Director, Denver Museum of Natural History, Denver, Colorado, in June 24 to attend American Society of Mammalogists meeting. C. E. Scoggins, Boulder, Colorado, author and writer, in June 28; expected leave July 1. Joseph P. Wasserburger, President, Joshua Monument National Bank, Twenty-Nine Palms, California, in June 30.

Ranger Service. All available permanent and seasonal rangers were used on entrance stations from June 5 until the end of the month selling park permits, accounting for the funds and related work. All remaining ranger personnel were used to man the interior loop stations to the greatest extent possible and to operate two patrol cars. Law enforcement required considerable time in investigating 18 cases of forced entry into automobiles between the 10th and 26th. Ten of these cases were solved when a Park Company employee was caught and convicted. The late spring and resulting deep snows in the higher elevations prevented some field work from being accomplished but considerable trail work, telephone line maintenance, fish planting, accident investigation and In-Service-Training was done.

Wildlife and Fish Cultural Activities. BEARS. Seven incidents, involving property damage caused by bears, were reported during the month, bringing the total for the season to eight such incidents. Seven persons received minor injuries in encounters with bears along the park roads. In each instance, carelessness on the part of the injured person contributed to the occurrence of the injury.

No bear was killed for control purposes during June but one black bear was found dead near the West Thumb auto camp. One yearling black bear was killed when accidentally struck by a motor vehicle near the Pelican Creek bridge. One grizzly bear about three years of age was shipped to the National Zoological Park on June 23 and two additional grizzlies of about the same age were shipped to the same institution on June 26. One additional animal is required to complete this approved request.

FISH. Park streams remained high during the entire month and fishing conditions were poor to fair except in the lakes. Yellowstone Lake yielded the usual good catches but the late disappearance of the ice cover from Lewis and Shoshone Lakes and the high water levels handicapped anglers. Squaw Lake, which usually yields excellent results during June, was very poor and close observations indicate that the fish population has been seriously reduced. This condition also exists in Slide Lake near Mammoth.

Fish were planted in park waters as follows:

<u>Stream or Lake</u>	<u>Species</u>	<u>Number Planted</u>
Madison River	Rainbow Trout	35,500
Blacktail Deer Creek	Eastern Brook Trout	10,000
Obsidian Creek	Eastern Brook Trout	4,000
Hoodoo Lake	Eastern Brook Trout	4,000

STREAM POLLUTION. Large quantities of mine tailing flowed into Soda Butte Creek through a break in the earth wall of the settling ponds of the McLaren mines which are located about five miles above the northeast entrance of the park. A heavy influx of this rock debris into Soda Butte Creek, which drains into Lamar River and thence into the Yellowstone River, occurs nearly every spring and has a serious effect on the fish and other aquatic life of the streams affected. The wall was being repaired when an inspection was made on June 26 but the mass of accumulated mine refuse continues to be a serious threat to park waters.

ELK TAGGING. Two fieldmen of the Wildlife Restoration Division, Montana Fish and Game Department, tagged 69 elk calves on the Yellowstone side of the Gallatin range within the park between May 29 and June 17. This number included 33 females and 36 males. This tagging operation is being carried on in connection with migration studies of the elk herds which summer on the Gallatin range.

COYOTE STUDIES. Biologist Robinson, Wildlife Research Laboratory, Fish and Wildlife Service, Denver, Colorado, devoted the entire month to completing the collection of tagged coyotes in the park. Results of the late work were rather discouraging as few additional tagged animals were recovered. Mr. Robinson reported that 419 coyotes have been tagged during the five years the study has been in progress and that 174 have been recovered. A report of the study is expected to be available by next fall.

RODENT CONTROL. Control of ground squirrels in the developed areas was continued during early June but it was necessary to curtail or stop shooting as the number of park visitors increased. A total of 134 ground squirrels was removed. Observations show that much of the northern winter wildlife range has a moderate to heavy population of ground squirrels and there are some indications that these rodents have an appreciable effect on the forage production where they are numerous. However, no control measures are taken outside the developed areas.

Forest Fire Protection. Fire Cache Supervisor McDougal reported in the park June 12 and was put into a GS-4 Property Clerk position. By the end of the month the tool units had been assembled and transported into the park to the various fire caches. The presuppression crew had also repaired the West Thumb fire truck, tested the other fire truck pumps and had taken them out to the stations for the summer.

The Fire Control Aids reported for duty on June 16 and a training school was conducted for them between June 19 and 22. On the 23rd the men reported to their various stations for the summer.

Two FM radio sets were ordered from the Forest Service at Missoula. It is hoped that ground to plane contact can be accomplished by these sets and thereby be used in aerial detection this summer. The presuppression crew assisted in rebuilding the Winter Creek horse corral. Paint was purchased for repainting the roofs, exteriors and interiors of Mount Holmes, Mount Sheridan and Pelican Cone lookout houses.

Wood Utilization. A timber permit was issued Mr. Oscar Roseborough of Gardiner, Montana. This permit was for 600 cords of fuel wood which Mr. Roseborough has a contract to cut for the Yellowstone Park Company. This wood will be taken from the old Lewis River burn.

Blister Rust Control. Mr. John Gynn of the Bureau of Entomology arrived in the park June 4 and checked on snow conditions as they affected blister rust work. The snow conditions were found so bad that it was impossible to take the blister rust control crews into the area when they reported on June 12. The following week was rainy and the time was utilized in cutting wood and getting the camp and cabin ready for work. The following week Mr. Gynn was able to train the crews in the lower portions of the area and by the end of the month a total of 137 man-days and 21,413 ribs had been accomplished.

On June 26 Messrs. Coffman, Barrows, Skinner, Gynn and Chapman visited the Dunraven Pass area to inspect a proposed addition to the present control area of some 3,500 acres at the head of Carnelian Creek.

Building Fire Protection. Drills for the fire engine crew of the Mammoth building fire brigade were held on June 6 and 7. The six-man engine crew performed very well. Time tests were run and on one occasion a complete hose lay was made in 50 seconds.

Inspectors for the Underwriters who carry the fire insurance on Yellowstone Park Company buildings were in the park from June 19 to 25, inclusive. The Park Service hazard inspections on concessioner buildings were combined with this inspection. All buildings were thoroughly inspected. The Underwriter inspectors were accompanied by either the Assistant Chief Ranger in charge of building fire protection

or the District Ranger in whose district the buildings were located or both. The inspection of all buildings was completed during June and the annual building fire hazard inspection report is being prepared.

A number of supplies and equipment were purchased from 621.1 funds during June.

Trails. Thirty-one trailmen were employed during June, including several rangers who were not to enter on duty as such until July 1. On June 23 nine of these men were put on ranger duty with thirteen trailmen remaining on duty at the end of the month. This will be the full crew for the 1950 season. One crew consisting of a foreman and four men worked the Howard Eaton Trail from the Norris Ranger Station to Fountain Flats. That portion of the trail from the rocky bluff opposite the Monument Geyser Basin Bridge to the first bridge over the Gibbon River below Beryl Spring was given special heavy maintenance. It is now in good condition. Considerable equipment and supplies for trail work were purchased during June.

On June 22 all fire control aids were given the rudiments of trail maintenance. They were taken to Clematis Gulch for a practical demonstration.

The late spring hampered trail maintenance to some extent since trails at higher elevations were blocked with snow. Also, high water made certain sections of trails into lakes. District Rangers had to leave certain sections untouched.

Motor Vehicle Accidents. Twenty-nine motor vehicle accidents were reported during the month, 11 of them being Class "A" and 15 Class "B". No Government vehicles were involved in any of the accidents. Three of the accidents involved personal injuries but none of a serious nature.

Law Enforcement. Nineteen law enforcement cases were presented before the U. S. Commissioner during the month with a total of \$187.00 in fines being assessed against the defendants. The cases were classified as follows: Speeding 5; Excessive number of fish 5; theft from motor vehicles 1; fishing with illegal lures 1; disorderly conduct 1; fishing in closed waters 1; reckless driving 1; operating a motor vehicle without proper brakes.

Persomnel. Boyd Stewart entered on duty as Messenger, CPC-1 on June 5. Ruth C. Carlson entered on duty as Clerk-Typist, GS-3 and Robert E. Lee as Storekeeper (General), GS-3 on June 5. Alma G. Hood and Leontine M. Turco entered on duty as Telephone Operators, GS-2 on June 6. Lloyd C. Anderson entered on duty as permanent Electrician, ungraded, vice Lawrence Murray, on June 12. Phillip S. Tompkins and LaRay G. Bingham entered on duty as Storekeepers (General), GS-3, John J.

McDougal as Property Clerk, GS-4, and William A. Olson, Jr. as Engineering Aid, GS-1 on June 12. Ruben O. Hart, Park Ranger, GS-6 was promoted to the position of District Park Ranger, GS-7, vice William A. Nyquist, on June 25 and Joe J. Way, Park Ranger, GS-5, was promoted to the position previously occupied by Mr. Hart as Park Ranger, GS-6, on June 25. Patricia A. Shanstrom entered on duty as Clerk-Stenographer, GS-3 on June 26. Most of the Seasonal Park Rangers, Park Naturalists, Park Ranger Naturalists and Fire Control Aids for the summer were entered on duty during June.

Miscellaneous. The last regular meeting before the summer season was held by Federal Employees Union No. 1465 in the Canteen on June 6.

Edmund B. Rogers
Superintendent

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