10-23
(June 1941)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Yellowstone NATIONAL PARK

FILE NO. 207-02.3

	ROGERS
✓	JOHNSTON
✓	KITTE
✓	AN
	KUNTZ
	SHOFEY
	JOHNSON
✓	Kittams
✓	CONDON
✓	LA NOUE
	ELLIOTT
	EVANS
	CHAPMAN
	SKINNER
✓	WOHLBRANDT
	ROBINSON

SUPERINTENDENT'S MONTHLY REPORT

SEPTEMBER 1947

IMPORTANT

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NEWTON B. DRURY,
Director.

U. S. GOVERNMENT PRINTING OFFICE 16—22371

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
YELLOWSTONE NATIONAL PARK
YELLOWSTONE PARK, WYO.

FICE OF THE SUPERINTENDENT

Summary of the September 1947 Monthly Narrative Report for
YELLOWSTONE NATIONAL PARK

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
YELLOWSTONE NATIONAL PARK
YELLOWSTONE PARK, WYO.

OFFICE OF THE SUPERINTENDENT

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PLANS, MAPS AND SURVEYS:	Surveys started for water system at Canyon and additional topography at Thumb. Plans prepared for employees' residences and revised seating arrangement Old Faithful Amphitheatre.	3
GENERAL PUBLICITY:	Press release sent out on August travel figures. Total 61,000 Yellowstone broadsides received. Only 90,000 1947 broadsides to be furnished park.	3
COMPLAINTS:	Only 4 written complaints received during month exclusive of general criticism of conditions by a seasonal ranger.	3
MAINTENANCE:	Many men lost to road crews due to opening school.	3
	Seal coating east entrance road completed and on sections Mammoth to Madison Junction and Gallatin section. Red Lodge-Cooke road closed by snowstorm on Sept. 10. Repair log barriers Fishing Bridge campground carried on. Seat logs for O. F. Amphitheatre cut and hauled in. East entrance ranger station and checking station painted on outside.	4
CONSTRUCTION:	Old Faithful-Isa Lake section nearly complete. Sec. C, Moran to Yellowstone approach well underway. Bids rejected for Proj. 1-F3, G4, Canyon Village area. Employees' residence No. 2 finished and occupied. Building No. 3 ready for occupancy soon and lining of interior walls House No. 4 to begin soon. Excavations made for basements for two new houses to be built at Mammoth.	4
CONCESSIONERS:	Closing dates for various operations enumerated. Some facilities at Lake and O. F. to operate as long as weather conditions permit. Automatic sprinkler system at Canyon 60% complete; O. F. Inn 20% complete.	5
INTERPRETIVE SERVICES:	Interpretive services in effect throughout month. Hikes and talks terminated by September 14.	5

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PLANS, MAPS AND SURVEYS:	Survey crews for water system at Canyon and additional topographing at Tower. Plans prepared for employees' residences and revised heating arrangement in Yellowstone Lodge.
GENERAL PUBLICITY:	Press releases sent out on August travel figures. Total 61,000 Yellowstone broadsides received. Only 5,000 left broadsides to be furnished park.
COMPLAINTS:	Only 4 written complaints received during month exclusive of general criticism of conditions by a seasonal ranger.
MAINTENANCE:	Many men laid to road crews due to opening season.
	Seal coating and minimum road completed and on sections ready to receive Limition and Bailey recision. Bad lodge-pole road closed by erosion on Sept. 10. Repair log barriers fishing bridge campground carried on. Sent logs for U. P. Lumbering out and hauled in. Sent extreme ranger station and checking station painted on outside.
CONSTRUCTION:	Old Faithful-Ten Lake section nearly complete. Sec. C, Norris to Yellowstone approach well underway. Bids rejected for Proj. 1-C, Sec. Canyon Village area. Employees' residence No. 1 finished and occupied. Building No. 2 ready for occupancy soon and lining or interior walls done Nr. 4 to begin soon. Inspections made for bookmarks for two new houses to be built at Mammoth.
DECOMMISSIONING:	Closing tables for various operations summarized. Some facilities at Lake and O. P. to operate as long as weather conditions permit. Automobile service system at Canyon only complete; O. T. Inc 20% complete.
INTERPRETIVE SERVICE:	Interpretive services in effect throughout month. Hikes and talks terminated by September 15.

MUSEUM ACTIVITIES AND EXHIBITS:

Morris, geologist and . P. museums closed. O. P. and Bancroft museums to remain open until Oct. 15. Indian artifacts and other artifacts turned into museum. Exterior F. O. museum painted.

Renovation work started on O. P. museum.

EDUCATION AND OBSERVATION:

Dr. Stanley continued study of above Ilva Yellowstone Lake. Tissue, Trondale and Foster completed studies on gravel deposits. Hamilton completed intended field work on moss. Isaacs, Lund and Tarasco determining intensity of gamma ray field of radioactive elements. Hills studying chemical characteristics in waters of hot springs and geysers. Two collecting permits issued during month. Specimens of fire opal found at Heart Lake Geyser Basin. Considerable work done on Yellowstone Place Name file.

Observations indicates for activity of Bison, Wapiti, Elk, Moose, Big Horn and Bighorn geysers and Opal Pool. Activities in Lower Basin and Fountain terraces continued without any unusual changes occurring.

INCREASE OF PROGRAM IN TRAVEL:

Population showing visitors and vehicles for 1947 as compared with 1946.

New travel record established with [illegible] visitors. [illegible] over 1946.

VISITORS:

Special visitors included senators Murray, Hunter and Butler; Congressmen Larsen, Johnson, Patton and Wolverton; also, Hilles Department, Secretary to Congressman Larsen; Earl Crane, Secretary to Senator Murray; Publicity Man Hal of Miles; Lambert Pickard Head of French government Tobacco Syndicate; Walter Lowe, Fresno Potash and Importing Company; Jack Hogue, Vice Pres., Ford Motor Co.; John T. Hodges, Special Employee, U. S. Capitol; Fairfield Osborn, Pres., N. Y. Zoological Society; Richard Riedel, Liaison Office, U. S. Senate and Terry O. Brinkwater, Pres., Western Air Lines.

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RANGER SERVICE:	Tours of checking stations manned on lists. All seasonal rangers released by end month. Transfers of permanent rangers to winter stations largely completed by end month. Rangers engaged preparing patrol cabins for winter use and other necessary field work.	
	Two rangers assigned Forestere for hunting patrol; occasional patrols made to Hillcrestling and along trail south boundary. Three patrol cars continue limited operations. Day operations completed Sept. 14. 378 bags hay cut. Stopped collecting entrance fees close Sept. 30.	9
POLICE PROTECTION:	Light cases brought before U. S. Commissioner. $100 in fines assessed.	9
WILDLIFE AND FISH CULTURAL ACTIVITIES-BEARS:	Seven personal injuries from bears reported. Two property damage reported. Eight bears killed. Estimate of bear population 360 blacks and 200 grizzlies.	9
BIGHORN:	Sixteen Bighorns seen on Mt. Sanbourn. Downward migration expected early October.	9
BUFFALO:	About 200 buffalo frequenting Lamar Valley. Herds seen in Old Faithful and Hayden valleys. Algae noted in boiler area and on Pitchstone Plateau and Snake River areas.	9
	Plans made to reduce buffalo herd in Lamar River area to about 250. Requests for 15 live buffalo received, remainder to be slaughtered.	10
ELK:	Some migration in higher areas but little in Mammoth-Gardiner areas. Few elk reported in hunting area north of park. Hunting season opens Sept. 15. Meeting Absaroka Conservation Committee scheduled October 4-5 during which recommendations to be made for season's hunting kill.	10
MOOSE:	Several moose adjacent to park open to moose hunting on special permit. Number already taken by hunters.	10
PRONGHORN:	Sharp increase in antelope in Gardiner-Stevens Creek area. About 20 still in Lamar area.	10

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RANGE STUDIES:	Range study report for Absaroka Conservation Committee meeting completed. Reproduction of browse almost nil in case aspen and willow bushes serious retarded. Douglas Fir shows signs overuse.	10
FISHING AND FISH PLANTING:	Fish planting completed for season. Madison River closed Sept. 30; other waters open until Oct. 15.	10
FOREST FIRE PROTECTION:	Mt. Washburn lookout closed Sept. 17. All fire control aids but one terminated by Sept. 26.	10
	Cook, Barrows and Gisborne discuss forestry matters. Electrical division started another telephone line from Winter Creek to Mammoth. All remaining accessories for surplus fire trucks received. Fire equipment brought to Mammoth fire cache for winter. Fire cost summary sheets for forestry requirements submitted.	11
INSECT AND TREE DISEASES:	Aerial survey over southern portion park scheduled 17th and 18th postponed due unfavorable weather. Conference concerning problems of control work in Teton Park, Teton Forest and Jackson Hole Monument and aerial and ground reconnaissance work in Yellowstone held in Jackson Sept. 19. Plans made for plane observations. Observations made from plane Sept. 15 near southern Yellowstone boundary did not reveal any serious condition.	11
WHITE PINE BLISTER RUST:	Active ribes eradication discontinued Sept. 6 and all but 7 employees terminated. By close season 2/3 Mt. Washburn unit received initial working. Complete report to be prepared.	11
	Survey of Mt. Washburn unit completed and estimate made for continued work in Mammoth area.	12
WOOD CUTTING OPERATIONS:	Wood contractor continued operations throughout month. Five man crew cut wood for winter use at ranger stations and Mammoth.	12
ACCIDENTS:	Eight motor vehicle accidents reported during month. Government truck involved in one accident. Mrs. Davis kicked by horse and suffered broken leg.	12

FIRE PREVENTION: Same study report for Absaroka Conservation Committee meeting completed. Description of crews sloped oil in road ruts and ditches during service operations. Section 4(a) Oil slick overall.

FISHING AND FISH PLANTING: Fish planting completed for season. Bottom River closed last. To: other waters open until Oct. 15.

FOREST FIRE PROTECTION: 4. Northern District closed Sept. 1. All fire control aids but one terminated by Sept. 30.

Good 'A' crew and standard fire tools transferred. Electrical division started another telephone line from Cooke Creek to Mt. Cook. All remaining equipment for emergency fire crews prepared. Fire equipment brought to Smooth Fire cache for winter. Fire cost summary ready for forwarding requirements committee.

INSECT AND TREE DISEASES: Aerial survey over southern portion park completed. Plan was first possession due unfavorable weather. Knowledge concerning problems of control work in Yellow Park, Yellow Forest and Jackson Hole Tourist Cr. Central and ground reconnaissance work in Yellowstone Park in Jackson Hole. 15. Aerial work for plane observations. Observations made from plane show. 15 may results. Yellowstone Monastery did not reveal any serious condition.

WHITE PINE BLISTER RUST: Cedrus rissa eradication discontinued Sept. 4 and all but 7 employees terminated. Eradication season 4/7 to. Northern unit received initial working. Complete report to be prepared.

Survey of Mt. Washburn unit completed and estimate made for additional work in Mammoth area.

WOOD CUTTING OPERATIONS: Wood contractor continued operations throughout month. Five men cut out wood for winter use at ranger stations and lookouts.

ACCIDENTS: Light motor vehicle accidents reported during month. Government truck involved in one accident. Mrs. Davis killed by horse and suffered broken leg.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
YELLOWSTONE NATIONAL PARK
YELLOWSTONE PARK, WYO.

OFFICE OF THE SUPERINTENDENT

October 8, 1947.

MEMORANDUM for the Director.

Following is the report of activities for Yellowstone National Park during the month of September 1947.

Weather Conditions. The average temperatures for the month at Mammoth were slightly above normal with only five days with below freezing temperatures being recorded. A maximum temperature of 85° was recorded on the 2nd and a minimum reading of 25° occurred on the 14th. Above normal precipitation of 2.73" was recorded for the month as compared with 1.90" in 1946, 1.92" in 1945, 1.94" in 1944 and 0.70" in 1943. The precipitation was about evenly distributed throughout the month with two snow storms occurring, the first on the 3rd and the second on the 17th. All the snow melted in a few days after falling except at the higher elevations but this had disappeared by the end of the month. Eight days were clear, 12 partly cloudy and 10 cloudy.

Special Activities. Superintendent Rogers accompanied Supervisor of Concessions Taylor to Glacier National Park on September 1, returning to the Yellowstone on the 4th with Mr. Taylor. A trip was made on September 17 to the south entrance and Moran to look over progress on the south approach road and to confer with Superintendent McLaughlin of Grand Teton National Park. On the 22nd a trip was made to Billings to meet members of the House of Representatives Sub-Committee on Interior Appropriations and bring them to the park. He returned to the park with the party on the 23rd and accompanied the group on the 26th to Missoula and on the 27th to the National Bison Range at Moisse, Montana, returning to the Yellowstone that evening.

Assistant Superintendent Johnston, accompanied by Chief Engineer Wohlbrandt and Master Mechanic Robinson made a trip to Salt Lake City on September 14 to obtain surplus property, returning on the 18th.

Assistant to the Superintendent Joffe and Chief Ranger LaNoue attended the fall meeting of the Tri-State Yellowstone Park Civic Association at West Yellowstone on the afternoon of September 27. Chan Libbey and Kendall Steeves of Livingston, Montana, were elected President and Secretary, respectively, for the ensuing year.

The Yellowstone Park school term started on September 2 with Mr. Tom Ellis teaching the upper grades and Mrs. Alberta Stebbins the lower grades. With the opening of school a very crowded condition existed, there being 43 pupils in the two classrooms. Each family having children in school was assessed $18 for the first month of school.

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MEMORANDUM for the Director.

Following is the report of activities for Yellowstone National Park during the month of September 1947.

Weather conditions. The average temperatures for the month of September were slightly above normal with only five days with below freezing temperatures being recorded. A maximum temperature of 83° was recorded on the 2nd and a minimum reading of 23° occurred on the 14th. Above normal precipitation of 2.73" was recorded for the month as compared with 1.40" in 1946, 1.22" in 1945, 1.44" in 1944 and 0.70" in 1943. The precipitation was almost evenly distributed throughout the month with two minor showers occurring, the first on the 3rd and the second on the 17th. All the snow melted in two days after falling except at the higher elevations but still had disappeared by the end of the month. Night skies were clear, in mostly clouds and 10 cloudy.

Special activities. Superintendent Vogel accompanied Director of Concessions Taylor to Mammoth National Park on business, returning to the Yellowstone on the 4th with Mr. Taylor. A trip was made on Saturday, 13 to the south entrance and Moran to look over repairs on the south entrance road and to confer with superintendent Kennedy of Grand Teton National Park. On the 22nd a trip was made to Billings to meet members of the home of Representatives sub-committee on Interior Appropriations and bring them to the park. He returned to the park with the party on the 23rd and accompanied the group on the 24th to Cascade and on the 27th to the National Elk Range at Moiese, Montana, returning to the Yellowstone that evening.

Assistant superintendent Johnston, accompanied by Chief Engineer Wohlfrand and Ranger Benedict Robinson made a trip to Salt Lake City on September 11 to obtain surplus property, returning on the 15th.

Assistant to the Superintendent Doty and Chief Ranger Lemons attended the fall meeting of the Tri-State Inholders Law Enforcement Association at West Yellowstone on the afternoon of September 11. Chas. Kinney and Lambert Steeves of Livingston, Montana, were elected President and Secretary, respectively, for the ensuing year.

The Yellowstone Park school term started on September 2 with Mr. Tom Allis teaching the upper grades and Mrs. Alberta Steeves the lower grades. With the opening of school a very crowded condition existed, there being 42 pupils in the two classrooms. Each family having children in school was assessed $18 for the first month of school.

The Mammoth Sunday School group of children was treated to a trip around the park on September 13. The buses for the trip and lunch at the Old Faithful cafeteria were donated by the Yellowstone Park Company.

The regular fall meeting of the Directors of the Dude Ranchers Association was held at the Canyon Hotel on September 6. Superintendent Rogers, Assistant to the Superintendent Joffe and Chief Ranger LaNoue attended the meeting and evening banquet. The annual convention of the organization is to be held in Bozeman, Montana, October 26-29.

Congressman Ben F. Jensen of Iowa, Chairman of the House of Representatives Sub-Committee on Interior Appropriations, and two other members of the committee, Congressmen George B. Schwabe of Oklahoma and Ivor D. Fenton of Pennsylvania, with Mr. Jensen's secretary, William L. DeyErmand, arrived in the park via the northeast entrance on September 23 and spent the 24th and 25th acquainting themselves with the park and its problems. Edwin Blout and Ralph Williams, Reclamation Service officials, were driving the party on their official inspection tour of the northwest.

The Wyoming State Employment Service closed its office at Mammoth on September 11.

In-Service Training. The Weekly News Letter, designed to keep park employees informed of happenings in the park and Service, was distributed each Friday. This publication is being very well received and it is believed meets a need for keeping employees adequately informed.

Inspections. Halsey M. Davidson, Architect, Region Two, was in the park from September 1 to 7. Supervisor of Concessions Oliver G. Taylor returned to the Yellowstone from Glacier on September 4 and left the following day for the west coast. Superintendent McLaughlin of Grand Teton National Park was a visitor in the Yellowstone on September 5 to confer with Supervisor of Concessions Taylor. Howard B. Baker, Associate Regional Director, Region Two, and Weldon Gratton, Park Planner, Region Two, stopped over at Mammoth for the night of September 6 on their return from Helena to Omaha. They left the following day via the northeast entrance. Thomas C. Vint, Chief of Development, who arrived in the park on August 25, departed on September 7 for Glacier. L. F. Cook, Assistant Chief Forester, was in the park from September 10 to 16, entering and leaving via the north entrance. Harry T. Gisborne, In Charge, Division of Fire Protection, U. S. Forest Service, Missoula, was in the park from September 10 to 12 on fire fighting cooperation matters. Maynard B. Barrows, Forester, Region Two, arrived via the east gate on September 11 and departed via the same gateway on the 18th. John G. Lewis, former Yellowstone Park ranger and now at Bryce Canyon, was a visitor on September 12. John C. Gynn, Pathologist, Blister Rust Control Office, Bureau of Entomology, Spokane, Washington, returned to the park on September 14 and remained until the 17th. Robert Kirkpatrick, U. S. Weather Bureau, Boise, Idaho, in September 17 to discuss the furnishing of weather reports. Christopher C. Mullady, Regional Attorney, Region Two, in north September 23; out north 26th. Victor H. Cahalane, Biologist, NPS, Chicago, in September 29 to attend the meeting of

The Kamath Lumber Company group of children was treated to a picnic around the park on September 11. The buses for the girls and boys in the Faithful reformatory were donated by the Yellowstone park concession.

The regular fall meeting of the Members of the Yellowstone Concession was held at the Canyon Hotel on September 6. Superintendent Kennedy assistant to the Superintendent Jeffs and Chief Ranger Lemmon were meeting and evening banquet. The annual convention of the organization is to be held in Bozeman, Montana, October 24-25.

Congressman Ben F. Jensen of Iowa, Chairman of the House of Representatives Sub-Committee on Interior Appropriations, and two other members of the committee, Congressman George E. Schwabe of Oklahoma and Ivor D. Fenton of Pennsylvania, with Mr. Jensen's secretary, William L. Heyerman, arrived in the park via the northeast entrance on September 23 and spent the night and first morning themselves with the park and its problems. Edwin Albert and Ralph Williams, Reclamation Service officials, were driving the party on their official inspection tour of the northwest.

The Jackson State employment service closed its office at Jackson on September 11.

In-Service Training. The Weekly News Letter, designed to keep park employees informed of happenings in the park and service, was distributed on Friday. This publication is being very well received and it is believed there is a need for keeping employees adequately informed.

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the Absaroka Conservation Committee. Superintendent John Preston and Mrs. Preston, Mt. Rainier National Park, arrived in the Yellowstone on September 30 for a visit enroute to their home in Colorado on vacation.

Plans, Maps and Surveys. Surveys were started on proposed gravity line water system for Canyon and for additional topography at West Thumb. Plans were prepared for revision of employees' residence, YEL-2192, and revised seating arrangements for Old Faithful amphitheatre, YEL-2199. While Chief of Development Vint and Supervisor of Concessions Taylor were in the park it was determined that it would be advisable to find a more suitable area for the facilities which are now planned for the West Thumb area. An attempt will be made to have ground surveys of the area made this fall so that planning can continue for the area as the concessioners are anxious to begin construction in the spring if arrangements can be made at that time.

General Publicity. A press release on August travel was sent out on September 1 and the comparative travel figures for August were released on September 2. Three thousand two hundred Yellowstone broadsides for 1947 were received on September 3, 2,900 were received on September 10, 20,000 were received on September 19 and 16,000 on September 30, making a total of 61,000 received to the end of September. Only 34,000 remained by the end of the month. It was discouraging to learn from a memorandum received from the Director's office on September 4 that only 90,000 copies of the Yellowstone broadside for 1947 was to be furnished the park, with 10,000 additional copies to be furnished the Director's Office. The Yellowstone supply will not nearly meet its needs as some 283,320 cars entered the park during the 1947 travel year. It has been necessary to refuse copies in response to the numerous requests received from Chambers of Commerce, Commercial Clubs, Tourist Bureaus, Automobile Clubs and other agencies dispensing information to the traveling public which were on hand prior to the receipt of our 1947 supply and it will not be possible to send out any copies from the park before the next season starts, except in response to requests from individuals for information on the park.

Complaints. Only four written complaints were received in the park during the month, one from a Naval Officer requesting a refund of the entrance fee and commenting on the manner the ranger in charge of the station portrayed; another complained of the shortage of accommodations, another on the bus fare from West Yellowstone to Old Faithful and the fourth on the attitude and discourtesy of concessioner employees. Proper action was taken where it was necessary. Another complaint from a seasonal park ranger making numerous allegations concerning Mr. C. A. Hamilton, his store operations in general, particularly at West Thumb, together with miscellaneous criticisms and charges against park conditions, policies and personalities was being investigated and a full report is to be submitted.

Maintenance. With the opening of school many of the laborers and some truck drivers and grader operators were lost to the maintenance crews. It was necessary to combine some of the road crews in order to have workable crews. At the end of the month maintenance crews were located at Mammoth, Gallatin, Thumb, Lake, South Forest, and at Rock Creek and Beartooth on the Red Lodge-Cooke road. One special crew at Old Faithful is engaged in repairing

the Adirondack Conservation Committee. Superintendent John Pearson and Mr. Treston, Mt. Rainier National Park, arrived in the Yellowstone on Saturday, 9 for a visit enroute to their home in Colorado on vacation.

Plans, Maps and Surveys. Surveys were under way on proposed gravity line water system for Canyon and for additional topography at West Thumb. Plans were prepared for revision of employees' residence, YNP-[illegible], and rental cottage arrangements for Old National amphitheatre, YNP-[illegible]. While chief of Development Vint and Supervisor of Concessions Taylor were in the park it was determined that it would be advisable to find a more suitable area for the facilities which are now planned for the West Thumb area. In [illegible] will be made to have ground surveys of the area made this fall so that planning can continue for the area as the concessioners are anxious to begin construction in the spring if arrangements can be made at that time.

General Publicity. A press release on August travel was sent out on September 1 and the comparative travel figures for August were released on September 2. Three thousand two hundred Yellowstone broadsides for 1947 were received on September 3, 3,500 were received on September 10, 20,000 were received on September 19 and 16,000 on September 20, making a total of 61,000 received to the end of September. Only 3,000 remained by the end of the month. It was discouraging to learn from a memorandum received from the Director's office on September 4 that only 50,000 copies of the Yellowstone broadside for 1947 was to be furnished the park, with 10,000 additional copies to be furnished the Director's office. The Yellowstone supply will not nearly meet its needs as some 207,210 cars entered the park during the 1947 travel year. It has been necessary to refuse copies in response to numerous requests received from Chambers of Commerce, Commercial Clubs, Tourist Bureaus, Automobile clubs and other agencies disseminating information to the travelling public which were on hand prior to the receipt of our 1947 supply and it will not be possible to send out any copies from the park before the next season starts, except in response to requests from individuals for information on the park.

Complaints. Only four written complaints were received in the park during the month, one from a Naval Officer requesting a refund of the entrance fee and commenting on the manner the ranger in charge of the station performed; another complained of the shortage of accommodations, another on the bus from West Yellowstone to Old Faithful and the fourth on the attitude and discourtesy of concessioner employees. Proper action was taken where it was necessary. Another complaint from a seasonal park ranger making numerous allegations concerning Mr. C. A. Hamilton, his above operations in general, particularly at West Thumb, together with miscellaneous criticisms and charges against park conditions, policies and personalities was being investigated and a full report is to be submitted.

Maintenance. With the opening of school many of the laborers and some truck drivers and grader operators were lost to the maintenance crews. It was necessary to combine some of the road crews in order to have workable crews. At the end of the month maintenance crews were located at Lamar, Gallatin, Thumb, Lake, South Forest, and at Rock Creek and Beartooth on the Red Lodge-Cooke road. One special crew at Old Faithful is engaged in repairing

guard rails and sidewalks. Seal coating of 5½ miles of the east entrance road was completed, 3 miles on the Mammoth to Madison sections and 3½ miles on the Gallatin section. Heavy patching continued to take most of the time of the maintenance crews.

The Red Lodge-Cooke road was closed for about 30 hours by a snowstorm on September 10. During the same storm three inches of snow fell in Sylvan Pass and 5 inches at Craig Pass. Snow plowing was required at each place.

Additional work on repairing of log barriers at the Fishing Bridge campground was carried on. Seat logs for the repair of Old Faithful amphitheatre were cut and hauled to the amphitheatre location. The east entrance ranger station and checking station were painted on the outside.

Construction. Project 1-D1, D-3, bituminous surfacing, Old Faithful to Isa Lake, under contractor McLaughlin, Inc., is nearly complete. The only work remaining is the obliteration of some old roads and general clean up. Final inspection of the project is to be made the week of October 5-10.

Project Moran to Yellowstone approach road, Section C, under contract to McLaughlin, Inc., is well underway. Practically all of the clearing is completed and the material stacked for burning in the center of the road. Placing of a cofferdam at one of the bridge piers on the Snake River bridge is underway and the contractor plans on completing the concrete work this fall. The equipment the contractor has moved on the job to date is in very good condition.

The bids opened on September 11, at Cheyenne, for Project 1-F3, G4, grading and base surfacing, Canyon Village area, were considered excessively high and were therefore rejected. Some investigation will be made regarding more economical arrangements for embankment borrow for the project.

No active construction projects are underway under Minor Roads and Trails.

Temporary residence for employees (Drawing YEL-2192), building No. 2, has been finished and occupied. Building No. 3 will be ready for occupancy as soon as the floors have been laid, the wood trim (being placed) and interior painting underway completed. Lining of the interior walls will begin soon in house No. 4.

In accordance with arrangements by conference and discussions with members of the Regional Office and Chief of Development Vint excavations have been made for the basements of two new houses which will be built at Mammoth, using the same plan YEL-2192.

Concessioners. The Lake Hotel was closed on September 1 while the Mammoth tourist cabins and swimming pool and the Thumb cabins, cafeteria and boat house were closed on the 2nd. Camp Roosevelt, Old Faithful, Canyon and Lake lodges closed on September 5. The Mammoth hospital closed and saddle horses were discontinued at Old Faithful, Canyon and Mammoth on the 10th. Old Faithful Inn and Canyon Hotel, as well as the Canyon tourist cabins and cafeteria,

guard rails and sidewalks. Seal coating of 3½ miles of the west entrance road was completed, 3 miles on the Mammoth to Gardiner section and 1½ miles on the Gallatin section. Heavy patching continued to take most of the time of the maintenance crews.

The Red Lodge-Cooke road was closed for about 30 hours by a snowstorm on September 10. During the same storm three inches of snow fell in Yellowstone Park and 3 inches at Craig Pass. Snow plowing was repeated at each place.

Additional work on repairing of 10 buildings at the Fishing Bridge campground was carried on. Seal logs for the repair of Old Faithful auditorium were cut and hauled to the amphitheatre location. The east entrance ranger station and checking station were painted on the outside.

Construction. Project I-D1, 2-3, Gardiner entrance, Old Faithful to Lake Lake, under contractor Malaughlin, Inc., is nearly complete. The only work remaining is the obliteration of some old roads and general clean up. Final inspection of the project is to be made the week of October 3-10.

Project Morgan to Yellowstone approach road, section 6, under contract to Malaughlin, Inc., is well underway. Practically all of the clearing is completed and the material stacked for burning in the center of the road. Placing of a cofferdam at one of the bridge piers on the Lake Fishing Bridge is underway and the contractor plans on completing the concrete work this fall. The equipment the contractor has moved on this job to date is in very good condition.

The bids opened on September 11, on Yellowstone, for Project I-D3, grading and base surfacing, Canyon Village area, were considered extremely high and were therefore rejected. Some investigation will be made regarding more economical arrangements for management review for the project.

No active construction projects are now under other roads and trails.

Temporary residence for employees (Drawing YL-2192), building No. 6, has been finished and occupied. Building No. 3 will be used for commissary as soon as the floors have been laid, the wood trim (hole closed) and interior painting underway completed. Wiring of the interior will be in a few hours No. 4.

In accordance with arrangements by conference and discussions with members of the Regional Office and Chief of Development Visit reservations have been made for the basements of two new houses which will be built at Mammoth using the same plan YL-2192.

Concessioners. The Lake Hotel was closed on September 1 while the Mammoth tourist cabins and swimming pool and the Tower cabins, cafeteria and boat house were closed on the 2nd. Camp Roosevelt, Old Faithful, Canyon and Lake Lodges closed on September 5. The Mammoth hospital closed and saddle horses were discontinued at Old Faithful. Canyon and Mammoth on the 10th. Old Faithful Inn and Canyon Hotel, as well as the Canyon tourist cabins and cafeteria,

closed on September 11 while bus and telegraph service were discontinued on the same date. Also on the same date the railroads ceased regular service to the various park gateways and airplane service to West Yellowstone was discontinued. The Mammoth and Canyon repair shops were closed on September 12 and the Fishing Bridge boat house on September 15. Haynes, Inc. closed their Canyon store on September 19 and their Tower Falls store on the 20th. Mrs. Pryor's Canyon store was closed on the 20th. The Mammoth Hotel and the Pryor Coffee Shop at Mammoth ceased operations on September 26. The Fishing Bridge tourist cabins and cafeteria and the Hamilton store and the repair shop at Fishing Bridge all closed on September 30. The tourist cabins and cafeteria at Old Faithful will remain open until October 15 while the Hamilton general stores and service stations at Lake and Old Faithful will remain open as long as weather conditions permit. The general store and service station at Mammoth will remain open throughout the winter to take care of local residents.

The work on the installation of automatic sprinkler systems at the Canyon Hotel is progressing satisfactorily and approximately 60% completed as of September 30. The contractor expects to complete the installation this fall except in the lounge and some of the storage rooms. At Old Faithful Inn the installation was approximately 20% complete as of the end of September. It is anticipated that about 35% of the installation will be completed this fall. This will include the lobby and east wing of the building.

Interpretive Services. The interpretive services of the park were in effect throughout the entire month with the gradual tapering off of all activities. Hikes and talks were terminated at all stations by the 14th of September. Museums were kept open and at the close of the month people were still being admitted to the Mammoth and Old Faithful museums.

Museum Activities and Exhibits. The Norris Museum was closed on September 6 as was also the Madison Museum. Fishing Bridge Museum closed on September 16. Naturalist services at Old Faithful terminated with the release of the last seasonal park ranger naturalist on September 26. Naturalist services at the information desk in the Mammoth Museum closed on September 21.

The Old Faithful and Mammoth Museums are still open daily for visitors without personnel manning the information desks. It is anticipated that both of these museums will continue in operation until about October 15.

A fine Indian arrowhead was found along the Madison River on September 14 by the Chief Park Naturalist and has been accessioned for the museum. In addition Park Ranger Naturalist George D. Marler turned in to the museum artifacts found by him during the past season.

The exterior of the Fishing Bridge Museum was painted during the month and there still remains much work to be done on the interior of this building and also the Fishing Bridge Museum cottage.

Shutters have been placed on all of the closed museums and the exhibit cases covered for the winter.

closed on September 11 while bus and telegraph service were discontinued on the same date. Also on the same date the railroads ceased regular service to the various park gateways and airplane service to West Yellowstone was discontinued. The Mammoth and Canyon repair shops were closed on September 12 and the Fishing Bridge boat house on September 15. Mammoth, Lake, Canyon and Grant stores on September 17 and their lower halls stores on the 18th. Fryer's Canyon store was closed on the 20th. The Mammoth Hotel and the Lodge Office Shop at Mammoth ceased operations on September 26. The Fishing Bridge tourist cabins and cafeteria and the Hamilton store and the repair shop at Fishing Bridge all closed on September 30. The tourist cabins and cafeteria at Old Faithful will remain open until October 15 while the Hamilton General stores and service stations at Lake and Old Faithful will remain open as long as weather conditions permit. The general store and service station at Mammoth will remain open throughout the winter to take care of local residents.

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Interpretive Services. The interpretive services of the park were in effect throughout the entire month with the gradual tapering off of all activities. Hikes and talks were terminated at all stations by the 15th of September. Museums were kept open and at the close of the month people were still being admitted to the Mammoth and Old Faithful museums.

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The exterior of the Fishing Bridge Museum was painted during the month and there still remains much work to be done on the interior of this building and also the Fishing Bridge Museum cottage.

Shutters have been placed on all of the closed museums and the exhibit cases covered for the winter.

The renovation work on the amphitheatre at the Old Faithful museum was started about the 22nd of September and it is anticipated that before the weather becomes too severe this project will be completed.

Research and Observation. Dr. George M. Stanley continued his study of the old shore lines of Lake Yellowstone through the major part of September and left Yellowstone for Arizona about the 27th of the month. He plans to return again next season and continue his work. It is possible that the National Park Service could help Dr. Stanley appreciably by securing for him a collaboratorship appointment.

Messrs. Truesdell and Foster of the United States Geological Survey who were studying the gravel deposits of Yellowstone Park left the park about September 2 after having completed their studies of the area. It is anticipated that a report will be forthcoming from them sometime during the winter.

Mr. John F. McMillan who is a research collaborator and has been doing research work on the ecology of the moose completed the field work he intended to do this year and left for the University of Michigan the forepart of September. Mr. McMillan plans to return to Yellowstone and continue his research work next year. If sufficient field data has been secured this year Mr. McMillan hopes to return as a seasonal park ranger naturalist during 1948 and complete his research during his off duty periods.

Messrs. Arthur Lord and Evan Pancake, research scientists for the Texas Company, made a series of readings with a Geiger-Mauller detector to determine the intensity of gamma rays given off by radioactive elements. These tests were made on the Mammoth Hot Spring terraces, the Norris Geyser Basin, Lower Geyser Basin, and the Upper Geyser Basin.

Mr. Donald E. White is spending several days in the Norris, Lower, Midway, and Upper Geyser Basins studying the chemical characteristics of the waters in the hot springs and geysers. Mr. White is a geologist representing the United States Geological Survey. He has been making extensive studies of the Steamboat Springs in Nevada and his work here is for the purpose of gaining further knowledge about thermal contents of waters.

Two collecting permits were issued during the month. One was made to Mr. Donald E. White of the United States Geological Survey for collecting water and mineral samples in connection with the research work being done by him, and the other was to Mr. Evan Pancake for samples of mineral specimens to be used in connection with the radioactive study he is making.

On September 5 the Heart Lake Geyser Basin area was visited and in one of the solfatara areas there specimens of fire opal were found. These have been added to the museum collection. The original discovery of the presence of this mineral was made by seasonal park ranger naturalist William B. Sanborn.

During the month considerable work has been done on the Yellowstone Park Place Names file. This card file is being assembled in one combined unit in the visible card file cases which we secured from war surplus. Upon completion of this project the Place Names file will be a very useful and

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On September 3 the Heart Lake Geyser Basin area was visited and in one of the solfatare areas there specimens of fine opal were found. These have been added to the museum collection. The original discovery of the presence of this mineral was made by seasonal park ranger naturalist William A. Lathrop.

During the month considerable work has been done on the Yellowstone Park Place Names file. This card file is being assembled in one combined with the visible card file cards which we secured from war surplus. Upon completion of this project the Place Names file will be a very useful and

worthwhile tool. There still needs to be done much work on this project, especially do we need to add to all of the Place Name cards a brief statement as to the origin of the name since that is one of the questions that is constantly asked.

In the Upper and Lower Geyser Basins the geyser activity has continued to be an object of unusual interest. The Giantess Geyser has not erupted during the month but has been very hot and virtually on trigger edge. This geyser probably would erupt were it not for the continued intermittent erupting of the Vault Geyser which is constantly dissipating away the energy which might otherwise bring about an eruption of the Giantess.

The Vault Geyser during August virtually washed away the asphalt walk and in September extensive repairs were made and drainage channels developed down which the water coming from the Vault Geyser now flows.

The Lion, Lioness, and Big Cub Geysers have continued to erupt intermittently during the month and the Beehive had recorded for it a total of 14 eruptions for September. There was undisputable evidence on two occasions that this geyser had been soaped since the remains of brown paper sacks with soap still in them were found in the vicinity of the geyser following its eruptions. The majority of the eruptions observed, however, were undoubtedly perfectly normal activity for this feature and are a direct evidence of the apparent increased intensity of action in the Upper Geyser Basin.

During the 1947 season a total of more than 71 different geysers were observed in action in the Lower, Midway, and Upper Geyser Basins.

On September 6 the Opal Pool in the Midway Geyser Basin became a violently erupting geyser and at that time disgorged large quantities of geyserite and presented a spectacular show for the visitors travelling through that basin on that day. This geyser erupted again on Sunday September 7 and since that date has not been observed in eruption but has continued to be very hot and has a pulsating action to its water surface. Midway between this pool and the Turquoise Pool there has developed a rift in the geyserite from which steam issues and there has at times been some water flow.

Activity in the Norris Geyser Basin and at the Mammoth Hot Springs terraces has continued without any unusual changes occurring.

Increase or Decrease in Travel.

PERIOD	1947	1946	1947 INCREASE OVER 1946	PERCENT INCREASE
VISITORS				
September Total	89,460	85,057	4,403	5.17
Sept. Daily Ave.	2,982	2,835	147	5.11
Season Total	932,503	814,907	117,146	14.43
VEHICLES				
September Total	30,386	28,250	2,136	7.56
Sept. Daily Ave.	1,013	942	71	7.53
Season Total	283,320	245,755	37,565	15.28

worthwhile tool. There still seems to be lots more work to have employed, especially do we need to add to all of the clues here cited, brief summaries as to the origin of the name since that is one of the questions most frequently asked.

In the Upper and Lower Geyser Basins the geyser activity has continued to be an object of unusual interest. The Giantess Geyser has not erupted during the month but has been very hot and vigorously on three occasions. This geyser probably would erupt more if not for the continued intermittent erupting of the Vault Geyser which is constantly discharging away the energy which might otherwise bring about an eruption of the Giantess.

The Vault Geyser during August virtually washed away the aspect walk and in September extensive repairs were made and drainage channels developed down which the water coming from the Vault Geyser now flows.

The Lion, Lioness, and Cub Geysers have continued to erupt intermittently during the month and the Lioness has recorded for it a total of 13 eruptions for September. There was undisputable evidence on two occasions that this geyser had been erupted since the receding of brown water which was still in them when found in the vicinity of the geyser following the eruptions. The majority of the eruptions observed, however, were undoubtedly perfectly normal activity for this feature and are a direct evidence of the apparent increased intensity of action in the Upper Geyser Basin.

During the 1947 season a total of more than 21 different geysers were observed in action in the Lower, Midway, and Upper Geyser Basins.

On September 6 the Opal Pool in the Midway Geyser Basin became violently erupting geyser and at that time discharged large quantities of geyserite and presented a spectacular show for the visitors travelling through that basin on that day. This geyser erupted again on Sunday September 7 and since that date has not been observed in eruption but has continued to be very hot and has a pulsating action to its water surface. Either between this pool and the Turquoise Pool there has developed a vent in the geyserite from which steam issues and there has at times been some water flow.

Activity in the Norris Geyser Basin and at the Mammoth Hot Springs terraces has continued without any unusual changes occurring.

Increase or Decrease in Trade.

VISITORS

PERIOD	1947	1946	1947 Increase or Decrease	Percent Increase or Decrease
September Total	83,420	63,027	14,403	22.87
Sept. Daily Ave.	2,088	2,835	117	5.11
Season Total	254,505	311,307	117,198	1.0

VEHICLES

PERIOD	1947	1946	1947 Increase or Decrease	Percent Increase or Decrease
September Total	30,365	22,239	2,126	7.36
Sept. Daily Ave.	1,015	742	71	7.02
Season Total	89,320	123,125	31,805	1.3

The 1947 travel year, which ended September 30, established a new all-time record when 932,503 visitors entered the park during the preceding twelve months. As shown above, this represents an increase of 14.43% over 1946. The percentage of increase in travel for September over 1946 dropped below the season average.

Visitors. United States Senators visiting the park during the month included Senator Chan Gurney, of South Dakota, and Mrs. Gurney, who arrived via the south gate on September 12 and left via the east gate on the 14th; Senator Allen J. Ellender, of Louisiana, and Mrs. Ellender, in north September 10 and out east same date; and Senator Hugh Butler, of Nebraska, who arrived via the north gate on September 23 and left via the south gate the following day. Senator Butler was accompanied by his secretary, Hugh Brown.

Members of the United States House of Representatives who visited the park during the month included Ben F. Jensen, of Iowa, George B. Schwabe, of Oklahoma, and Ivor D. Fenton, of Pennsulvania, all members of the Sub-Committee on Appropriations for the Interior Department. William L. DeyErmand, Secretary to Congressman Jensen, was included in the party. They arrived via the northeast entrance on September 23 and left via the north gate on the 26th. Congressman Walter Riehlman, of New York, arrived on September 3 and left on the 5th.

Other important visitors during the month included General and Mrs. Lihuang Wei and party of China, who arrived on September 1; Lambert Blum Picard, head of the Franch Government Potash Syndicate, Mrs. Picard and Walter Howe, Sales Manager, French Potash and Importing Company, in September 4, out September 8; Jack Bugas, Vice President, Ford Motor Company, Detroit, Michigan, former seasonal ranger in the Yellowstone during seasons 1931 to 1934, inclusive; John W. McCabe, Special Employee of the United States Capitol, in north September 11, out south 13th; Fairfield Osborn, President, New York Zoological Society, and Mrs. Osborn, in south September 13, out northeast 14th; Richard Riedel, Liaison Officer, U. S. Senate, with his mother, in west September 13; and Terry C. Drinkwater, new President of Western Air Lines, with a party of 9 officials of Western Air Lines, in south September 27 and out west same day.

Ranger Service. Travel declined quite rapidly from the record crowds of August but continued ahead of the same period last year. Checking stations were operated from 7:00 a.m. until 11:00 p.m. until the 14th, when the gate hours were reduced from 7:00 a.m. to 7:00 p.m.

By the 15th only 19 seasonal rangers remained on duty and on the 30th all remaining seasonal rangers were terminated.

The transfer and moves of permanent rangers were largely completed with only a few moves to be made at a later date.

A large amount of the rangers' time was used in preparing the patrol cabins for winter use and other necessary field work. Big game hunting, which opened in sections of Wyoming and Montana adjacent to the park,

The 1947 travel year, which ended September 30, established a new all-time record when 992,595 visitors entered the park during the preceding twelve months. As shown above, this represents an increase of 14.4% over 1946. The percentage of increase in travel for September over 1946 dropped below the season average.

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Other important visitors during the month included General and Mrs. Chiang Wei and party of China, who arrived on September 1; Lambert Blum Picard, head of the French Government Potash Syndicate, Mrs. Picard and Walter Howe, Sales Manager, French Potash and Fertilizer Company, in September 4, out September 8; Jack Burns, Vice President, Ford Motor Company, Detroit, Michigan, former seasonal ranger in the Yellowstone during seasons 1931 to 1934, inclusive; John S. Dennis, special employee of the United States Depiol, in north September 11, out south 15th; Fairfield Osborn, President, New York Zoological Society, and Mrs. Osborn, in south September 13, out northeast 14th; Richard Rhodes, Liaison Officer, U. S. Senate, with his mother, in west September 15; and Jerry O. Drinkwater, new President of Western Air Lines, with a party of 9 officials of Western Air Lines, in south September 27 and out west same day.

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A large amount of the rangers' time was used in preparing the patrol cabins for winter use and other necessary field work. Big game hunting, which opened in sections of Wyoming and Montana adjacent to the park,

necessitated patrolling large areas of the park boundaries. Two rangers were assigned to Thorofare area for hunting patrols and other field work and occasional patrols were made of the Hellroaring and Slough Creek sections along the park boundary.

Three patrol cars continued limited operations in patrolling the park roads and enforcing park rules and regulations, as personnel was available for this duty

Haying operations were completed in the Lamar Valley on September 11. A total of 378 tons of hay was cut.

The collection of the motor vehicle license fee for the season was discontinued at the close of September 30.

Police Protection. A total of 8 cases were brought before the U. S. Commissioner for trial during September. Fines, in the amount of $160.00, were collected. One jail sentence of 24 hours was issued and one case was bound over to the U. S. District Court in Cheyenne, Wyoming for disposition.

The list of offences are as follows: excess speed, 4; reckless driving, 2; disorderly conduct, 1; and grand larceny, 1; total, 8.

Wildlife and Fish Cultural Activities. BEARS. Bears continued to frequent the roadsides during the early part of the month and a few remained at these roadside locations until the end of the period. Seven personal injuries from these animals were reported. Two property damages were recorded, one at the Canyon campground and the other at the Old Faithful campground. Three mature black females were killed for control purposes in the Lake Ranger District and the five cubs with them were disposed of for humane purposes. More than fifty percent of the personal injuries for the season were attributed to these three females which operated regularly on the Old Faithful-West Thumb and the West Thumb-Lake roads. The counts of bears seen and estimates of pupulations were compiled. This resulted in an estimated population of 360 black bears and 200 grizzlies in Yellowstone Park.

BIGHORN. Sixteen bighorn, ewes and lambs, were seen on Mt. Washburn on September 11. Occasional animals have been seen at various places on the lower range and it is likely that a considerable downward migration will occur early in October.

BUFFALO. About 200 buffalo frequented the Lamar Valley bottom meadows throughout the month. Bands of 40 or more were seen regularly in the Old Faithful and Hayden Valley areas. Signs of buffalo were noted at Three Rivers Junction and up Ferris Fork in the Bechler area and on the Pitchstone Plateau in the Snake River area. The carcass of one dead buffalo cow was found near Tendoy Falls in the Bechler area. There was no substantial evidence that the animals had wintered in these remote areas, and near end of the month signs indicated that all of these animals had drifted over the divide toward the Firehole River.

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Three patrol cars continued limited operations in controlling the park roads and enforcing park rules and regulations, as personnel was available for this duty.

Haying operations were completed in the Lower Valley on September 11. A total of 378 tons of hay was cut.

The collection of the motor vehicle license fee for the season was discontinued at the close of September 30.

Police Protection. A total of 8 cases were brought before the U. S. Commissioner for trial during September. Fines, in the amount of $100.00, were collected. One jail sentence of 24 hours was issued and one case was bound over to the U. S. District Court in Cheyenne, Wyoming for disposition.

The list of offenses are as follows: excess speed, 4; reckless driving, 2; disorderly conduct, 1; and grand larceny, 1; total, 8.

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BUFFALO. About 200 buffalo frequented the Lower Valley bottom meadows throughout the month. Herds of 40 or more were seen regularly in the Old Faithful and Hayden Valley areas. Signs of buffalo were noted at Three Rivers Junction and up Purple Pork in the Heckler area and on the Firehole Flatsen in the Snake River area. The carcass of one dead buffalo cow was found near Tendoy Falls in the Heckler area. There was no substantial evidence that the animals had wintered in these remote areas, and near end of the month signs indicated that all of these animals had drifted over the divide toward the Firehole River.

Plans are being made for a reduction of the buffalo in the Lamar River area this winter, amounting to approximately 230 animals. Requests have been received for 45 buffalo for restocking purposes in Wyoming, and it is anticipated that remainder of the reduction, or about 185 animals, will be slaughtered. An effort will be made this winter to corral practically all of the buffalo present in the Lamar River area and to slaughter a larger proportion of the older animals, particularly bulls, which have for a number of years secluded themselves in small areas and have not been subjected to control measures. The old bull ratio in the herd has, therefore, become disproportionate.

ELK. During the latter part of the month some migration of elk occurred in the higher ranges, but there has been little drift as yet in the Mammoth-Gardiner areas. Few elk have been reported in the hunting area north of the park (Hellroaring-Slough Creek-Buffalo Creek drainages). Hunting season opened in these areas on September 15.

A meeting of the Absaroka Conservation Committee is scheduled to be held at Mammoth on October 4-5, at which time recommendation will be made to the Montana Fish and Game Commission for this season's elk kill by hunting.

MOOSE. Several areas adjacent to the park in Montana were opened to the hunting of bull moose on special permit. A number of moose have been taken by hunters, but the season still remains open and figures are not complete.

PRONGHORN. The number of pronghorn, or antelope, in the Gardiner-Stevens Creek area has increased sharply, indicating a down-country fall migration. About 20 antelope were still in the Lamar River area on September 22.

RANGE STUDIES. Range field studies to be used for the report on range conditions to the Absaroka Conservation Committee were completed. Densities were estimated on the one remaining transect. Forage was clipped on twelve plots. The forage was air-dried and weighed for comparison with production during other years. While carrying on this specific work, the condition of important browse species has been noted. Reproduction is almost nil in the case of aspen, and willow bushes either remain stunted or growth is seriously retarded. Douglas fir shows signs of overuse but not very much during the last year.

FISHING AND FISH PLANTING. Fish planting for the season was completed during the month. The Madison River was closed to fishing at sundown September 30. Other lakes and streams will remain open until sundown October 15.

Forest Fire Protection. The Mt. Washburn Lookout was closed for the season on September 17. This was the last lookout to be manned, but by the 17th the fire danger had become so low that it was no longer necessary to maintain any further protection facilities this season.

All fire control aids, except one SP-4, were terminated by September 26. One man was retained to assist in some telephone line work on the Mt. Holmes line.

Plans are being made for a removal of the buffalo in one lower river area this winter, amounting to approximately 250 animals. No weeks have been received for 45 buffalo for restocking purposes in Wyoming, and it is anticipated that remainder of the reduction, or about 185 animals, will be slaughtered. An effort will be made this winter to control practically all of the buffalo present in the Lower River area and to slaughter a larger proportion of the older animals, particularly bulls, which have for a number of years secluded themselves in small areas and have not been subjected to control measures. The old bull ratio in the herd has, therefore, become disproportionate.

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All fire control aids, except one SP-4, were terminated by September 26. One man was retained to assist in some telephone line work on the WD. Holmes line.

Foresters Cook and Barrows and Mr. Harry Gisborne of the Rocky Mountain Forest Equipment Station of the Northern Rocky Mountain Forest Experiment Station were in the park on September 10, 11, and 12 to discuss forestry matters, including an inspection of the Park Fire Weather Records and the Tower Falls Fire Weather Station.

On September 29 the electrical division started work on another telephone line from Winter Creek to Mammoth in order that the Mt. Holmes Lookout can have a separate line into the Mammoth switchboard, thus facilitating fire calls and relieving the regular lines from this load.

All the accessories for the surplus fire trucks, that had been on order since early this season, were received by the end of this month. These trucks are now ready for operation.

The fire equipment from the fire caches out in the park, which could not be safely stored at their respective stations, was brought to Mammoth Fire Cache for the winter.

Fire cost summary sheets for the Forest Requirements Report by the Chief Forester were submitted through the Regional Office.

Insects and Tree Diseases. Plans were made for an aerial survey over the southern portion of the park on September 17 and 18. Assistant Chief Ranger Elliott traveled to Grand Teton National Park to participate in the reconnaissance work but unfavorable weather conditions prevailed during the entire week and the survey was postponed.

A conference attended by representatives of the U. S. Forest Service, Bureau of Entomology and Plant Quarantine, Grand Teton National Park and Yellowstone National Park was held at Jackson, Wyoming on September 19. The discussions related primarily to problems of control work in Grand Teton National Park, Teton National Forest and Jackson Hole National Monument but there was also some discussion relative to aerial and ground reconnaissance work in Yellowstone. It was agreed that a representative of the Bureau of Entomology and Plant Quarantine should act as observer, from a plane based at Jackson, whenever weather conditions again became favorable. The area worked from Jackson would include only the extreme southern portion of Yellowstone. It was planned that further reconnaissance work would be attempted at a later date from a plane based at West Yellowstone. This survey would cover the Madison, Central and Pitchstone Plateaus and forests east of Yellowstone Lake.

Observations made during a flight on September 15, just near the south boundary of Yellowstone, from the southwest corner to Snake River, did not reveal any serious conditions in the area observed.

White Pine Blister Rust Control. At the close of September 6 the personnel employed on this project was reduced to seven, including one foreman and one truck driver. Active ribes eradication was discontinued on this date. At the close of the project this season, approximately two-thirds of the Mt. Washburn unit had received initial working. A complete report of the season's accomplishments will be prepared as soon as all relative data has been compiled.

Forester Cook and Barrows and Mr. Perry Gibbons of the Rocky Mountain Forest Equipment Station of the Northern Rocky Mountain Forest Experiment Station were in the park on September 10, 11, and 12 to discuss forestry matters, including an inspection of the park fire weather records and the Tower Falls Fire Weather Station.

On September 29 the electrical division started work on another telephone line from Winter Creek to Mammoth in order that the Yellowstone Lodges can have a separate line into the Mammoth switchboard, thus facilitating fire calls and relieving the regular lines from this load.

All the accessories for the surplus fire trucks, that had been on order since early this season, were received by the end of this month. These trucks are now ready for operation.

The fire equipment from the fire caches out in the park, which could not be safely stored at their respective stations, was brought to Mammoth Fire Cache for the winter.

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Two Checkers, under the supervision of a representative of the Bureau of Entomology and Plant Quarantine, completed a survey of the Mt. Washburn Unit, including area to be worked, area worked this season and area worked last year. They also spent some time in the Mammoth Unit to gather data for a basis of an estimate of the amount of work that should be accomplished in this unit during the 1948 working season.

Wood Cutting Operations. The wood contractor for the Yellowstone Park Company continued operations throughout the month, working in assigned areas between Norris and Canyon and between Old Faithful and West Thumb. Only dead standing and fallen trees were utilized except where it was necessary to cut some green trees for access roads.

A five-man crew was organized to operate the National Park Service wood saw to prepare wood for winter use at the various ranger stations and at Mammoth. This crew worked for approximately two weeks until all but one of the men quit to return to school. About one hundred cords of wood was cut, 20 cords at Canyon and 80 cords at Fishing Bridge.

Accidents. A total of 8 motor vehicle accidents were reported during the month, 4 being Class "A" and 4 being Class "B." Three people received slight injuries but none was serious.

One government truck was involved in an accident with another car. No damage was done to the government truck and only slight damage to the other car.

Mrs. Dorothy Lindgren Davis, age 32, of 1311 Clela Street, Los Angeles, California suffered a broken leg when kicked by a Yellowstone Park Company horse, at Canyon Lodge. Mrs. Davis was just starting to walk around the horse when it kicked her.

Personnel. Charles E. Fuller, Fiscal Accounting Clerk, CAF-6, transferred from Grand Canyon National Park, arrived in the Yellowstone on September 16. He was entered on duty as of September 16, the date he left Grand Canyon, but actually assumed his duties in the Yellowstone on the 22nd.

Stanley R. Jackson, Clerk-Stenographer, CAF-4, secretary to the Superintendent and Assistant to the Superintendent, resigned at the close of September 19 to continue his schooling.

Victoria N. Kurtz, Personnel Clerk, CAF-5, started on sick leave, due to pregnancy, on September 24. She expects to resign at the end of her sick leave.

Miscellaneous.

A son, John Knauff, was born to Mr. and Mrs. William A. Knauff, Portland, Oregon, at the Mammoth Hospital on September 6. The baby was born prematurely and did not live.

A daughter, pamela Jeanne, was born to Dr. and Mrs. Tom Clemons at the Park Hospital, Livingston, Montana, on September 30. Dr. Clemons is the resident park physician.

Two Crashers, under the supervision of a representative of the School of Entomology and Plant Quarantine, completed a survey of the [illegible] Park, involving area to be worked, area worked this season and area worked last year. They also spent some time in the Remote Unit to gather some for a basis of an estimate of the amount of work that should be accomplished in this unit during the 1940 working season.

Road Cutting Operations. The work contractor for the Yellowstone Park Company continued operations throughout the month, working in nearly areas between Morris and Canyon and between Oil Well Road and Park Ranch. Only dead standing and fallen trees were utilized except where it was necessary to cut some green trees for access roads.

A five man crew was organized to operate the National Park Service wood saw to prepare wood for winter use at the various ranger stations and at headquarters. This crew worked for approximately two weeks until all but one of the men quit to return to school. About one hundred cords of wood was cut, 20 cords at Canyon and 30 cords at Mammoth Bridge.

Accidents. A total of 8 motor vehicle accidents were reported during the month, 1 being Class "A" and 4 being Class "B". Three people received minor injuries but none was serious.

One government truck was involved in an accident with another car. No damage was done to the government truck and only slight damage to the other car.

Mrs. Dorothy Simpson Davis, age 32, of 1411 Pico Street, Los Angeles, California suffered a broken leg when kicked by a Yellowstone Park Company horse, at Canyon Lodge. Mrs. Davis was just starting to walk around the horse when it kicked her.

Personnel. Charles E. Fuller, Fiscal Accounting Clerk, GAF-5, transferred from Grand Teton National Park, arrived in the Yellowstone on September 1. He was entered on duty as of September 12, the last he left Grand Teton, but actually assumed his duties in the Yellowstone on the 22nd.

Stanley T. Jackson, Clerk-Stenographer, CAF-4, reported to the Superintendent and assistant to the Superintendent, resigned as of the close of September 19 to continue his schooling.

Victoria H. Lutz, Personnel Clerk, CAF-2, returned on sick leave, due to pregnancy, on September 21. She expects to resign at the end of her sick leave.

Miscellaneous.

A son, John Ewart, was born to Mr. and Mrs. William A. Ewart, Portland, Oregon, at the Sacred Heart Hospital on September 6. The baby was born prematurely and did not live.

A daughter, Pamela Jeanne, was born to Mr. and Mrs. Tom Simmons at the Park Hospital, Livingston, Montana, on September 30. Mr. Simmons is the resident park physician.

Word was received from Mrs. Lee Cottrell that her husband had died in Lynden, Washington, on September 19, after an illness of some six weeks. Lee was a park ranger in the Yellowstone from 1920 to 1930 and moved to the state of Washington in order to reside at a lower altitude on account of his health. Mr. Cottrell was born at Antwerp, Ohio, on July 27, 1885.

Mrs. Margaret Burney, the wife of former Assistant Chief of Development Arthur W. Burney, died in Chicago on September 22, just 22 days following the death of her husband. Mr. and Mrs. Burney resided in the Yellowstone when Mr. Burney was in the park engineering department from 1918 to 1927.

Frank Sebastian, 52, of Butte, Montana, an employee of the Yellowstone Park Company, died at Yellowstone Lake of a heart attack on September 25.

The first meeting for the winter of the Federal Employees Union Local No. 465 was held in the Canteen on September 5.

Edmund B. Rogers,
Superintendent.

In quintuple.

cc: Regional Director, Region Two,
in duplicate.
Files (2)

JJ/ek