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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

AUGUST 1948

	ROGERS	
✓	JOHNSTON	
✓	JOFFE	
✓	ANDERSON	
	KURTZ	
✓	[illegible]	
✓	[illegible]	
	DVARISKAS	
✓	CONDON	
	LA NOUE	
	ELLIOTT	
	EVANS	
	CHAPMAN	
✓	SKINNER	
✓	WOHLBRANDT	
	ROBINSON	

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

FFICE OF THE SUPERINTENDENT

Summary of the August 1948 Monthly Narrative Report for
YELLOWSTONE NATIONAL PARK

		Page
WEATHER:	Above normal temperatures and precipitation at Mammoth. Maximum 86°, minimum 33°. High fire danger last of month.	1
SPECIAL ACTIVITIES:	Superintendent to Teton with Oliver Taylors and Marshall Joneses on 6th. Attended funeral of Mrs. Ethel Skinner in Livingston 21st. New meal rates approved effective July 25. Population census by protection division, 14,376 average of three days. Plane emergency landing near Squaw Lake. New school board appointed. School to start 7th, and for first time to be financed by Government. Two teachers engaged.	1
IN-SERVICE TRAINING:	544 man hours by protection division, various subjects. New forest fire control outline being prepared.	2
INSPECTIONS:	Regional Director Merriam, M. S. Baudendistel, Leon Lassen, John E. Doerr, Carl Swartslow, Oliver G. Taylor, Marshall H. Jones, John C. Gatlin, W. P. Klamer, J. C. Iler, George Miller, T. A. Fellows, E. H. Cowan, Martin J. Burns, Fred G. Bussey, H. G. Smith, L. J. Barrett, Reed W. Bailey, Arval L. Anderson, D. I. Rasmussen, C. E. DePuy, John Macbeth, Elton M. Hilton, Wm. F. Atkinson, and John A. Reshoft, in.	2
PLANS, MAPS AND SURVEYS:	Field work on topography proposed development area West Thumb completed and progress made on plotting.	2
GENERAL PUBLICITY:	Press release on travel and closing dates to AP and UP. Broadsides supply exhausted. 50,000 shipped.	2
COMPLAINTS:	Eleven letters of complaint received.	3
MAINTENANCE:	Gravel chips processed for south approach road. Patching done. Reduction of force due lack of funds and some camps closed. Sections reprocessed and some sand sealing done. Rock and mud slide Gardiner road caused by rain. Guard rail replaced and bridge redecked. Repair to paths and steps at F.B. Uncle Toms Trail, Canyon closed by rock slide and damage repaired. New bituminous distributor received.	3

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Yellowstone Park, Wyoming

		Page
DEATHS:	6 deaths in park during month. Horace B. Garrett, O.P. Inn chef; Mrs. Nellie G. Leach, Brookville, Pennsylvania; Elizabeth J. Gildenbach, Columbus, Ohio; Frank C. Clemens, Houston, Texas; Wm. W. McBride, Denver, Colorado. Ethel Skinner, wife of Asst. Chief Ranger Curtis K. Skinner, passed away at Mammoth Hospital on 19th; funeral at Livingston on 21st. Mrs. Dora Stebbins, mother of Walter Stebbins, died in Livingston on 15th. Mrs. Anna Dale Robinson, widow of former Chief Electrician Charles Dale, died at Livingston on 19th. Mrs. Alice Benson, sister of Mrs. Horace M. Albright, died in Sacramento on 21st.	13
BIRTHS:	Daughter born to Mr. and Mrs. Neil K. Howard of Gardiner at Mammoth Hospital.	13
MISCELLANEOUS:	Ten-day horseback trip over Howard Eaton Trail conducted by Yellowstone Trails Ranch. These trips started during 1947, 75th Anniversary of Park, and expected to continue each year.	13.

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E OF THE SUPERINTENDENT

September 8, 1948.

MEMORANDUM for the Director.

Following is the report of activities for Yellowstone National Park during the month of August 1948.

Weather Conditions. Temperatures as well as the amount of precipitation recorded at Mammoth during August were above normal. Total precipitation for the month was 1.47 inches, as compared to 2.14 inches in August 1947, 2.48 inches in August 1946, 0.61 inches in August 1945 and a mean of 1.21 inches for that month obtained during a 35-year period. All of the rainfall occurring during August fell on the first 11 days of this period. A maximum temperature of 86 degrees was recorded on the 29th and a minimum temperature of 33 degrees was recorded on the 20th. Fifteen days were clear, 15 partly cloudy and only one day was cloudy. Prevailing winds were from a southwesyerly direction. The lack of rainfall since the 11th of August resulted in a high fire danger period during the latter half of the month.

Special Activities. Superintendent Rogers accompanied Mr. and Mrs. Oliver G. Taylor and Mr. and Mrs. Marshall H. Jones, of the Concessioners Division, to Grand Teton National Park on August 6. On August 21 he attended the funeral of Mrs. Ethel Skinner in Livingston.

On August 2 the Director approved the new meal rates for Yellowstone National Park, to be effective July 25, 1948, which was the date the new wage board rates for maintenance and construction wage board employees became effective. The new rates are 80¢ for single meals and $1.90 per day.

On August 4, 6 and 8, members of the Protection Division took a populations census of the park, which showed a total average population for the three days of 14,376, which consisted of 3,297 employees and 11,079 visitors. Last year's average for the three days was 14,491, which consisted of 3,292 employees and 11,199 visitors. An average of 3,502 was recorded in the automobile campgrounds as against 3,799 last year.

On August 10 a plane landed on the east entrance highway near Squaw Lake. The plane was piloted by Gerald LyVere of Sacramento, California, and he was enroute from West Yellowstone to Red Lodge on a crop-dusting project when the forced landing occurred. After minor repairs to the plane, Mr. LyVere was able to take off the following day.

On August 26 Superintendent Rogers appointed a new school board for the park, consisting of W. Verde Watson, Chairman, Mrs. Elmer F. Armstrong, Secretary-Treasurer, and Mrs. D. T. White, member. The school term will start this year on September 7 and for the first time in its history the

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Yellowstone will have a public school to be financed by the Government. Much credit is due Congressman Wesley A. D'Ewart of Montana for sponsoring and following through to enactment the Yellowstone Park School Bill. Two school teachers have been engaged for the school term, Mrs. Alberta Stebbins and Mrs. Mabel Stuart.

In-Service Training. All in-service training for the month was handled in the field and was devoted to the following subjects: forest fire control, rules and regulations, conducting investigations, law enforcement, station routines, compilation of reports, building fire inspections, care of livestock, packing, fire truck operation, first aid, and wearing of the uniform, for a total of 544 man hours. A new outline of forest fire control is now being prepared for further training in this subject.

Inspections. Regional Director Merriam, who entered the park on July 27, departed August 1. M. E. Bauderdistel, Conservationist in Charge, Flood Control Survey, U. S. Forest Service, Missoula, and Leon Lassen, Engineer, U. S. Forest Service, Washington, D. C., in August 12. John E. Doerr, Chief Naturalist, NPS, in West August 8, out South 12th. Carl Swartzlow, Regional Naturalist, Region Two, in North August 7, out South 12th. Oliver G. Taylor, Chief of Concessions, and Marshall H. Jones, Consultant, in West August 4, out 9th. John C. Gatlin, Regional Director, F&WL Service, Albuquerque, New Mexico, in August 9. W. P. Klamer and J. C. Iler, USFS, in August 12. George Miller, Assistant Superintendent, Glacier National Park, in August 8 enroute from Rocky Mountain to Glacier. T. A. Fellows, Inspector, Post Office Department, Cheyenne, Wyoming, in August 6. E. H. Cowan, Engineer, FRA, Denver, in August 3, out South 5th. Martin J. Burns, Chief, Regional Classification Division, Thirteenth Civil Service Region, Denver, in South August 15, out 17th. Fred G. Bussey, Chief Clerk, Glacier National Park, in North August 14, out 18th. H. G. Smith, Budget Officer, Director's Office, in August 14, out 18th. L. J. Barrett, USFS, Washington, D. C.; Reed W. Bailey, Director, Intermountain Forest and Range Experiment Station, Ogden, Utah; Arval L. Anderson, Assistant Regional Forester, USFS, Ogden, Utah; and D. I. Rasmussen, Wildlife Management, Region Four, USFS, Ogden, Utah, in August 26. C. E. DePuy, Building Engineer, FRA, Denver, Colorado, in August 27, out 30th. John Macbeth, Chief Clerk, Death Valley National Monument, in August 27. Elton M. Hilton, Park Planner, Region Four, San Francisco, in South August 30. William F. Atkinson, Reconstruction Finance Corporation, Washington, D. C., in August 27. John A. Reshoft, Architect, Director's Office, in August 11 for month's assignment.

Plans, Maps and Surveys. Field work on topography of the proposed new development area at West Thumb was completed during the month and good progress is being made on the plotting.

Publicity. One press release on travel and the late opening of the park was sent to the Associated Press and United Press on August 24.

Before the end of the month our supply of 1947 broadsides which have been used for distribution throughout the summer was exhausted. A reprint of 50,000 copies which had been ordered by the Director's Office was shipped to the park on August 27 but had not been received by the end of the month.

[illegible] will have a public school or be financed by the [illegible]. Much credit is due [illegible] Leslie . Members of Lookout [illegible] and following chosen to [illegible] the Yellowstone Park School Bill. The school teachers have been engaged for the school year, Mrs. [illegible] and Mrs. [illegible] Jewett.

In-service training. All in-service training for the month [illegible] in the field and was devoted to the following subjects: Forest fire control, rules and regulations, conducting investigations, law enforcement, studies regulations, compilation of reports, building fire improvements, care of firearms, packing, fire trench operation, first aid, and weeding of the uniform. For a total of 344 man hours. A new outline of forest fire control is now being prepared for further training in this subject.

Inspections. Regional Director Barnes, who succeeds Mr. [illegible] 27, departed August 1. M. T. Munkenbeck, conservationist in charge, Good Control Survey, U. S. Forest Service, Missoula, and Mr. [illegible], engineer, U. S. Forest Service, Washington, D. C., in August 2. [illegible], Chief Naturalist, NPS, in West August 8, and Dorsh Lake. Ford [illegible], Regional Naturalist, Region Two, in [illegible] August 7, and [illegible] Lake. Oliver G. [illegible], Chief of Concessions, and Donald H. [illegible], Concessions, in [illegible] out [illegible]. John C. [illegible], Regional Director, Fish Service, Albuquerque, [illegible] Mexico, in August 9. [illegible] and [illegible] C. Tilt, [illegible], in August [illegible]. [illegible] Miller, Assistant Superintendent, Glacier National Park, in August 9 [illegible] from Rocky Mountain to Glacier. [illegible] L. Pylman, Inspector, [illegible] Department, Chicago, Illinois, in August 6. [illegible] Owen, [illegible], Denver, in August 3, out [illegible]. Martin [illegible], Regional Director, Reclamation Division, Fortuenoh Civil Service Region, Denver, in August [illegible], out 12th. Fred [illegible] Kenney, Chief Civil [illegible] Division, in [illegible] August 14, out 15th. [illegible] Smith, [illegible] Service, [illegible], in August 14, out 15th. [illegible] Barrett, [illegible], [illegible], [illegible], Director, Intermountain Forest and Range Experiment Station, [illegible], Arvel L. Jameson, Assistant Regional Forester, [illegible], [illegible] Thompson, Wildlife Management, Region Four, [illegible], [illegible], in August [illegible]. Perry, Building Engineer, [illegible], Denver, Colorado, in August 17, out [illegible]. John Kadyeh, Chief Clerk, Dept. Valley National Monument, in August 17, Alice M. Hilton, Park Ranger, Region Four, San Francisco, in [illegible] August 30. William T. Aldridge, Conservation Museum Curator, [illegible], [illegible] 6. 7., in August 27. John A. Dwight, Architect, Director's Office, in August 11 for month's assignment.

Plans, Maps and Surveys. Field work on topography of the proposed new development area at West Thumb was completed during the month and road profile work is being made on the plotting.

Publicity. One press release on travel and the late opening of the park was sent to the Associated Press and United Press on August 6.

Before the end of the month our supply of 1937 broadside which been used for distribution throughout the summer was exhausted. A reprint of 20,000 copies which had been ordered by the Director's Office was received to the park on August 27 but has not been received by the end of the month.

Complaints. Eleven letters of complaint were received during the month of August, as follows: condition of south approach road; campgrounds and sanitary conditions therein; discourtesy of rangers in disposal of salmon eggs; bears in campgrounds; discourtesy of Yellowstone Park Company employee at Stevenson Island picnic facilities; condition of roads and campgrounds; inability to hear drivers in buses and naturalists at evening lectures; condition of pit toilets and entrance road to campground; single room unavailable with reservation; campground use and alleged indifference of rangers regarding same; and discourtesy of Yellowstone Park Company wrangler.

Maintenance. During the month Contractor McLaughlin who has the Moran to Yellowstone, Section C, project, processed 1470 tons of half inch crushed gravel chips and stock-piled them one mile north of the South Entrance. These will be placed on Section 4 next season as sufficient funds are not available to do the work this season.

Most of the month was dry and we were able to catch up a little on patching; however, traffic was so heavy the efficiency of operations was reduced much below normal. In order to save a minimum of funds for spring operations, it was necessary to start reduction of forces by the middle of August. Road camps at Lewis River, Rock Creek and Old Faithful were closed during the month and Madison, East Entrance, South Forest, Northeast and Gallatin will close within the second week of September. This is a serious handicap because it leaves sections of road unattended for a long period; also, September usually is a very good month for maintenance when traffic is light and roads have dried out and real progress can be made. It has also been necessary to curtail our road oiling operations for the same reason.

About three miles of the East Entrance road was reprocessed as was two miles of the Gallatin section, three miles of the South Forest, two miles of the Red Lodge, one-half mile Lake to Thumb and one and one-half mile of Canyon to Norris sections, besides a number of small sections at different locations.

About nine miles of the Cooke to Red Lodge section was sand sealed, three and one-half miles of East Entrance, three miles of the Gallatin, and a large number of short sections were also sand sealed.

A heavy rain on August 8 caused a mud and rock slide in the Gardiner Canyon, closing that road for about two hours.

Guard rail was replaced on about 600 feet of the East Entrance road and 320 feet of the Bechler road near Cave Falls. Another bridge deck broke through on the Firehole Loop road and required replacing the entire deck.

Paths and steps in the Fishing Bridge area were repaired and rebuilt. Uncle Toms Trail at Canyon was closed by rock slide August 23, but damage was repaired and walk opened on the 27th.

A new Etnyre, 1350 gallon bituminous distributor was received about the middle of the month.

Campground. Seven miles of campground were resurfaced during the month of August, in fairly good condition of some concrete road, campground and sanitary conditions therein. Discovery of campers in disposal of salmon eggs, bears in campground, discovery of bulldozer left lowered, employee at Stevenson Island pickup facilities, condition of roads and grounds, inability to hear drivers in boats on Lake Superior at crossing Lakeshore, condition of pit toilets and entrance road to campground, single room available with reservations, campground map and signs facilities of campers regarding camp and sanitary of bulldozer left lowered, employee wrangler.

Maintenance. During the month Contractor polishing was begun on the Drive to Yellowstone, Section C, project, processed 1,470 tons of half inch crushed gravel chips and stock-piled them on air north of the Lake Entrance. These will be placed on Section 4 next season as artificial fines are not available to do the work this season.

Most of the month was dry and it was able to work on a limited basis pavement; however, traffic was so heavy the difficulty of operations was reduced much below normal. In order to have a minimum of funds for spring operations, it was necessary to turn resurfacing of Fords by the middle of August. Food owner at lake River, work crews and OMA painting were closed during the month and Madison, East Entrance, South Entrance and Gallatin will close within the second week of September. This is a serious handicap because it leaves sections of road open for a long period also, September usually is a very good month for maintenance when traffic is light and roads have dried out and real progress can be made. It has also been necessary to curtail our road oiling operations for the same reason.

About three miles of the Lake Entrance road was reconstructed as was two miles of the Gallatin section, three miles of the South Entrance, one mile of the Red Lodge, one-half mile lake to Fishcamp and one and one-half miles of Canyon to Norris sections, besides a number of small stretches of different locations.

About nine miles of the Tower to Red Lodge section was seal coated, three and one-half miles of East Entrance, three miles of the Gallatin, a large number of short sections were also seal coated.

A heavy rain on August 3 caused a mud and rock slide in the Canyon Canyon, closing that road for about two hours.

Guard rail was replaced on about 600 feet of the East Entrance road and 200 feet of the Bobcat road near Cave Falls. Another lodge-pole broke through on the Firehole Loop road and required replacing the entire deck.

Paths and steps in the Fishing Bridge area were repaired and rebuilt. Uncle Tom's Trail at Canyon was closed by rock slide August 23, and damage was repaired and walk opened on the 27th.

A new Shryve, 1500 gallon distributor was received about the middle of the month.

New Construction. On August 5 bids were opened by the Public Roads Administration on the grading and surfacing of project 1-F3, G4 on the grand loop at Canyon. Low bidder was Strong Company of Springville, Utah, $296,707.40.

The contractor has moved several pieces of heavy equipment to the job and at the end of the month had started moving waste material from the cut near Cascade Creek. Given two months of good weather and he hopes to complete the grading on this project.

On July 30 bids were opened by the Public Roads Administration for resealing of Section 1A, 1B and a portion of 1C on the grand loop. The low bidder was Peter Kiewit Sons, $77,250, including engineering $86,000. The money for this job comes out of our maintenance funds. The contract covering this project was approved August 26 and the contractor began moving his equipment on the job September 1.

Construction on the project, South Approach Road, Moran to Yellowstone, Section C, is progressing rapidly. Grading work is about 70% complete and base course gravel has been windrowed along a little over one mile on the north end. Concrete work on both north and south abutments is complete, also pier No. 2 on the north end. Excavation on pier No. 1 is nearly completed. Structural steel is stored on the job. The bridge is estimated to be about 65% complete. Given two months good weather, the contractor will nearly finish this job.

Work on Accounts 431 and 432, Residences at Mammoth, was completed during the latter part of the month. Work was resumed on the shingling of the Community Building (school house) and work was also continued on the installation of the new furnaces in the Chapel (Account 410, Major Repair and Rehabilitation. About 6,100 lineal feet of walk has been placed under Account 512, Prefabricated Wooden Walks, and only a small balance remains.

The Public Roads Administration has set up its offices at the Canyon in connection with the two projects, 1-F3, G4 and the resealing of Section 1A, 1B and a portion of 1C on the Grand Loop. Mr. Ed Anderson is the Engineer in charge.

Concessioners. Camp Roosevelt closed on August 28, the first of the park's operations to close for the season.

The Yellowstone Park Company opened its new Sandwich Shop at Old Faithful on August 15 and it remained open through August 31.

Interpretive Services. The interpretive service at all stations has progressed in all phases of the program throughout the month and has been well attended by the park visitors. This program was not affected seriously by adverse weather during the month and almost all outdoor activities were conducted.

The various interpretive activities as conducted at the stations throughout the park have been audited by Park Naturalists Watson, Alcorn

[illegible]

The [illegible] operation. In August 5 bids were opened by the Public Works Administration on the grading and surfacing of project 1-D, in the [illegible] Lake at Bayou. The bidder was strong [illegible] of [illegible], [illegible] $[illegible].

The contractor has moved several pieces of heavy equipment to the job and at the end of the month had started moving waste material from the cut near Cascade Creek. Given the [illegible] of good weather and he hopes to complete the grading on this project.

On July 30 bids were opened by the Public Works Administration for resealing of Section 1A, 1B and a portion of 1C on the grand loop. The low bidder was Peter Kiewit Sons, $[illegible], including equipment $[illegible]. The money for this job comes out of our maintenance funds. The contract covering this project was approved August 30 and the contractor began moving his equipment on the job September 1.

Construction on the project, north Prescott road, from to Fallsington, Section 2, is progressing rapidly. Grading work is about [illegible] and base course gravel has been wheelmixed along a little over one mile on the north end. Concrete work on both north and south abutments is complete, also pier No. 2 on the north end. Excavation on pier No. 1 is nearly completed. Structural steel is erected on the job. The bridge is scheduled to be open [illegible] complete. Given two months good weather, the contractor will nearly finish this job.

Work on Accounts 651 and [illegible], Parkways at Lunette, was completed during the latter part of the month. Work was resumed on the enlarging of the Community Building (school house) and work was also continued on the installation of the new furnaces in the Chapel (account 651, Major Repair and Rehabilitation. About 6,100 lineal feet of walk has been placed under account 752, Prefabricated Concrete Walks, and only a small balance remains.

The Public Roads Administration has set up its offices at Bayou in connection with the two projects, 1-D, 1B, and the resealing of [illegible] 1A, 1B and a portion of 1C on the Grand Loop. Mr. [illegible] is the Engineer in charge.

Concessions. Camp Lunette closed on August 30, the first of the park's concessions to close for the season.

The Fallsington Park Company opened its new Sunoco Shop on July Fourth on August 15 and it remained open through August 31.

Interpretive Services. The interpretive service at all stations has progressed in all phases of the program throughout the month and has been well attended by the park visitors. This program was not affected seriously by adverse weather during the month and almost all outdoor activities were conducted.

The various interpretive activities as conducted at the stations throughout the park have been audited by park naturalists Estes, Alvord

and Condon for the purpose of knowing, better, just how the men are doing the work and how the program is being accepted by the people.

Museum Activities and Exhibits. All museums were open during the entire month and it is anticipated that they will remain so until approximately the 12th of September. These units have been well attended by visitors and indications are that there has been an increase in their use to that which was given last year.

A large number of items have been acquired and accessioned as museum artifacts during the past month. Three tree sections from the old Spurgins Beaver Slide area between the Lake and Canyon have been secured, accessioned and placed in storage for future exhibit and for preservation. District Park Ranger Arthur Jacobson brought to headquarters a section from a log found on the park boundary near South Riverside Ranger Station. It contains scribing on it of a number of names and other interesting information which may have historical significance. There have been a large number of Indian artifacts found and turned in to the headquarters museum for accession. People finding these artifacts and turning them in have been Park Ranger Tom Ela, Park Ranger Naturalists Wayne Replogle, George Marler and Lowell Biddulph. Murray Nichols, janitor at the Old Faithful Museum, found a very unusual pounding stone.

Study skins have been made of a Trumpeter swan cygnet and what appears to be a juvenile Burrowing Owl. Both of these specimens were found by tourists and turned in to us. A number of botanical specimens have been secured for the herbarium and these will be placed in it during the winter months and are now in storage. A new display case for sales publications was installed at the information desk in the Fishing Bridge Museum on August 5. Some requests which have been submitted to the Park Superintendent for rock specimens were filled during the month. Mr. George W. Miller left with us a collection of photographs made of park buildings. These photographs all have historical significance and, although we have the original negatives and an album of prints of these pictures, the ones given us by Mr. Miller have some interesting data on the reverse side of them which will give us additional information concerning them.

Research and Observation. Park Naturalist Watson made ten trips into the park during the month for the purpose of auditing programs and making field observations. On the 12th Mr. Watson visited the Canyon dump area on the old Grebe Lake road and at that time observed 23 grizzly bears at one time. Observations made by Watson, Alcorn and Condon indicate that porcupines are common along the roadside for on numerous occasions several have been counted when returning to park headquarters late at night from campfire programs in the interior. Nine animals were observed in traveling from Canyon to Mammoth on the 20th, and Watson observed seven porcupines between Canyon and Mammoth on the 24th. These animals are not as numerous as they were during the summer of 1946 when they were abundant along the roadsides.

Observations of Trumpeter swan have been made on several occasions during the month. On the 10th some time was spent watching the Trumpeter swan near the junction of Slough Creek and the Lamar River where there are

and Canada for the purpose of learning, believe, just how the men were
the work and how the program is being accepted by the people.

Nature activities and exhibits. All museums were open during the entire month and it is significant that's [illegible] to until approximately the [illegible] of September. These exhibits have been well attended by visitors and indications are that there [illegible] interest in Nature as that was given last year.

A large number of items have been acquired and accessioned as museum artifacts during the past month. Other [illegible] from the old Spanish Canyon Mine area between the [illegible] and [illegible], accessioned and placed in storage for future exhibits and for preservation. Artifacts [illegible] larger Arthur Canyon brought to headquarters a section from a log found on the park boundary near Santa Rita Mountain station. It contains [illegible] on it of a number of [illegible] and other interesting information [illegible] may have historical significance. There have been a large number of Indian artifacts found and turned in to the headquarters museum for accession. People finding these artifacts and turning them in have been [illegible] [illegible], very [illegible] Indian [illegible], [illegible] and [illegible] [illegible] [illegible] Janitor on [illegible] and Publicity Bureau. [illegible] a very unusual [illegible] [illegible].

Tests which have been made of a Trapper [illegible] and that appears to be a [illegible] Burrowing [illegible]. [illegible] of these specimens were found by [illegible] and turned in to us. A number of [illegible] specimens have been received for the [illegible] and which will be placed in it during the winter months and are now in storage. A new display case for [illegible] illustrating the [illegible] of the information desk in the Visitor Building [illegible] [illegible] requests which have been submitted to the Park [illegible] for [illegible] [illegible] more were filled during the month. Mr. [illegible], Miller [illegible] a collection of photographs made of park buildings. These photographs all have historical significance and, although we have the original negatives and an album of prints on these pictures, the [illegible] given us by Mr. Miller have some interesting [illegible] on the reverse side of them which will [illegible] additional information concerning them.

Research and Observation. Park naturalist Watson made two trips into the park during the month for the purpose of conducting programs and making field observations. On the first [illegible], Mr. Watson visited the Cypress Grove area in the old Grove Lake road and at that time observed at [illegible] bears at [illegible] times. Observations made by Mr. Watson [illegible] indicate that [illegible] are common along the [illegible] for an [illegible] considerable [illegible] been observed when returning to park headquarters late at night from [illegible] programs in the interior. The animals were observed in travelling from Canyon to Sycamore on the [illegible], and [illegible] observed never [illegible] between Canyon and Sycamore on the [illegible]. These animals are not as numerous as they were during the summer of 1935 when they were abundant along the roadside.

Observations of Trapper [illegible] have been made on several occasions during the month. On the 16th [illegible] and [illegible] [illegible] the Trapper [illegible] near the junction of Cypress Grove and the Lower Tiger where there are

a pair of adults and 5 cygnets. The Trumpeter swan on the small lake near Madison junction have been observed twice during the month and on the 12th some motion pictures and some still pictures were made of these birds. They had four cygnets. On August 22 a spectacular scene was presented on Alum Creek when four adult Trumpeter swan presented an aerial display of flight which was of unusual interest. Following the flight maneuver they landed relatively near the highway and two of the birds appeared to fight, pecking at each other and beating with their wings. Following the encounter one swan swam off some 50 yards by itself and the others remained as a group and started feeding. These birds were watched by Chief Park Naturalist Condon and a number of park visitors.

Mr Wyman Benson reported to the Chief Park Naturalist that he had found at the waters edge on Lava Creek a very interesting stone which had some peculiar inscriptions carved on it. Chief Park Naturalist Condon visited this stone with Mr. Benson on August 15 and examined it, and neither he nor Mr. Benson could decipher the scribing on the rock. Someone in the past has spent considerable time working on this rock and making the undecipherable marks. The boulder is a very large one of basaltic lava which has a very smooth faced section on which the letters have been made. It has been where it is for a very long time. The evidences on the rock's surface indicate that the inscriptions have been there for a long time also. Photographs are going to be made of this and an attempt to decipher what is meant by the peculiar markings.

Dr. L. C. Graton, Dr. Francis Birch and Dr. George C. Kennedy conducted research work in the Upper Geyser Basin during the period from August 15 to the 29th. Drs. Graton and Birch were from Harvard University and Dr. Kennedy is with the U. S. G. S. Their research work dealt primarily with attempts to determine the point where active boiling and geyser eruption begins beneath the earth's surface. No definite conclusions were reached by these men and will not be available until they have had an opportunity to study the records secured by them in more detail than it was possible for them to while they were here. They have discovered that the observations indicate boiling begins and the geyser eruptions start at a depth of approximately 30 feet beneath the surface. The highest hot water temperature secured was obtained in the Lion Geyser at a depth of approximately 70 feet where a temperature reading was secured of 255°F. This temperature was obtained because of a very small constriction in the tube of the geyser which inhibited convection circulation. In Old Faithful Geyser they secured temperature readings of 246°F. at 70 feet. These scientists were using a special apparatus which gave a continuous temperature reading at various depths and they had established six stations at six different depths at which they were securing temperature readings at the same time. They secured readings from a large number of features, but spent most of their time reading temperatures at Lion Geyser, Old Faithful Geyser, Giantess Geyser, Great Fountain Geyser and the Sapphire Pool. Information on the data secured will be forthcoming after they have had an opportunity to analyze the temperature readings secured at these various features.

a pair of adults and 3 eggs(?). The Trumpeter swan is the small lake near Madison junction have been observed twice during the month and on the Cinnamon station pleasure and saw small juvenile were each of these birds. They had four eggs(?). In August 26 a spectacular scene was witnessed on the Crook ridge four adult Trumpeter swan circled an aerial display in flight which was of unusual interest. Following the flight maneuver they landed relatively near the nest of two of the birds appeared to fight, pushing at each other and beating with their wings. Following the encounter one swan swam off some 50 yards by itself and the others remained in a huddle and started feeding. These birds were followed by Chief Park Naturalist Sandeen on a number of park visitors.

Dr. Lyman Benson reported to the Chief Park Naturalist that he had found at the waters edge on Lake Crook a very interesting stone with the peculiar inscriptions carved on it. Chief Park Naturalist Sandeen visited this stone with Dr. Benson on August 19 and examined it, and related to Dr. Benson could decipher the writing on the rock. Sandeen is the part time assistant anthropologist working on this rock and making the anthropological survey. The boulder is a very large one of basaltic lava about [illegible] square feet section on which the letters have been [illegible]. It has not been moved in for a very long time. The evidence on the rock's surface indicate that the inscriptions have been there for a long time also. Photographs are going to be made of this and an attempt to decipher what is meant by the peculiar markings.

Dr. L. D. Garvey, Dr. Francis Birch and Dr. George H. Darwin continued research work in the Upper Geyser Basin during the period from August 2 to the 29th. Drs. Birdsall and Birch were from Harvard University and Dr. Darwin is with the U. S. G. S. Their research work dealt primarily with attempts to determine the point where active boiling and geyser eruption begins towards the earth's surface. No definite conclusions were reached by these men and will not be available until they have had an opportunity to study the records secured by them in more detail than is was possible for them to do while they were here. They have discovered that the observations indicate boiling begins and the geyser eruptions start at a depth of approximately 2 feet beneath the surface. The lighter rock which indicates secondary deposition in the Lion Geyser at a depth of approximately 2 feet where a temperature reading was secured of 212°F. This temperature was obtained because of a very small constriction in the tube of the geyser which inhibited convection circulation. In Old Faithful Geyser they secured temperature readings of 246°F. at 70 feet. These calculations were using a special apparatus which gave a continuous temperature reading at various depths and they had other similar air stations at six different depths at which they were recording temperature readings at the same time. They secured readings from a large number of features, but spent most of their time reading temperatures at Lion Geyser, Old Faithful Geyser, Giantess Geyser, Great Fountain Geyser and the Giggling Pool. Information on the data secured will be forwarded after they have had an opportunity to analyze the temperature readings secured at these various features.

The Echinus Geyser in the Norris Geyser Basin has been very active during the entire summer season. During its eruptions there have been large quantities of muddy water discharged from it and it has provided a rather spectacular show for those visitors who have been going into the back basin. It is continuing its active phase and observations will continue to be made of it to determine when it again becomes dormant. On the 27th of the month the Reservoir in the Norris Geyser Basin erupted in a rather peculiar manner. Water was not thrown to any height, nor were any water jets thrown in any direction. The large pool of the Reservoir simply bulged in a pulsating manner sending large waves of water out of the basin into the Hundred Springs Plain, flooding it with water.

Mr. John McMillan, Research Collaborator, has continued his study on the moose in the Willow Park area through August. He departed from the park on August 30 to return to school at Michigan. It is anticipated that the park will receive from Mr. McMillan a copy of his thesis on this problem when it is finished.

Park Ranger Naturalist William B. Sanborn anticipates working on his Masters Degree during the coming year and intends to write a thesis on "The Significance of the Interpretive Program in Yellowstone National Park." He He has received approval from his school for the preparation of a thesis and the completion of a problem for his Doctorate on "The Educational Aspects of the National Parks."

Several trips have been made to dump areas for the purpose of observing grizzly bears during the month by members of the Naturalist Division. On the 25th of August Chief Park Naturalist Condon and Biologist Walter Kittams spent considerable time at the Canyon and Fishing Bridge dumpgrounds for the purpose of observing grizzly. At Canyon a total of 31 grizzly were observed at one time and on this occasion there were two females with three of this year's cubs each, and three females with two of this year's cubs plus quite a number of three year old and older bears, and two females with yearling cubs. At the Fishing Bridge dumpground a total of 23 grizzly bear were seen. The bears observed at Canyon were watched during broad daylight while those at Fishing Bridge were observed after dark. Of recent date it has been possible to stop at the Canyon dump area and see grizzly bear at almost any time of day.

Natural History Association. Mrs. Frank Wagner was employed as librarian by the Natural History Association throughout the month and she terminated her services August 28 to return to public schools in Salt Lake City where she works.

The sales publication business of the Natural History Association on an over-all basis is below that of last year and the records indicate that sales at the three museums in August of this year as compared to August of 1947 were as follows: Mammoth 24% below 1947, Old Faithful 9% above 1947, Fishing Bridge 14% below 1947.

The Association completed the multilithing of Yellowstone Park Nature Notes for the July-August issue and it will be placed in the mails the first of September.

The Bonneville dropper in the North Oregon Basin has been very active during the early "summer season." During the surprise there were very large quantities of muddy water discharged from it and it has provided a very spectacular show for those visitors who have been going into the basin. It is continuing its active phase and observations will continue in an effort to determine when it again becomes dormant. In the fall of the year the reservoir in the Horse Heaven Basin dropped in a rather peculiar manner. Water was not shown to any height, nor was any water jets shown in any direction. The large pool of the reservoir slowly bulged in a rolling manner sending large waves of water out of the basin into the flooded Columbia, flooding it with water.

Mr. John McMillan, Superintendent of Yellowstone, has continued his study on the moose in the Yellow Park area throughout August. He departed from the park on August 20 to return to school at Michigan. It is anticipated that the park will receive from Mr. McMillan a copy of his thesis on this problem when it is finished.

Park Ranger Lawrence Milton of Badlands National Monument on the Western Dakota during the spring year and intends to write a thesis on "The Significance of the Interpretive Program in Yellowstone National Park." He has received approval from his school for the preparation of a thesis and the completion of a problem for his Bachelor's in "The Educational Program of the National Parks."

Several trips have been made to deep areas for the purpose of counting grizzly bears during the month by members of the Naturalist Division. On the 25th of August Chief Park Naturalist Condon and Biologist Mattson made considerable time at the Canyon and Yellow Stone Bridge dumpgrounds for the purpose of observing grizzly. At Canyon a total of 31 grizzly were observed at one time and on this occasion there were two females with three of this year's cubs each, and three females with two of this year's cubs plus quite a number of three year old and older cubs, and two females with yearling cubs. At the Yellow Stone Bridge dumpground a total of 27 grizzly bear were seen. The bears observed at Canyon were watched during broad daylight while those at Yellow Stone Bridge were observed after dark. To record data it has been possible to stop at the Canyon dump area and see grizzly bear at almost any time of day.

Natural History Association. Mr. Frank Dwyer was employed as liaison by the Natural History Association throughout the month and was terminated her services August 23 to return to public schools in Salt Lake City where she works.

The sales publication business of the Natural History Association on an over-all basis is below that of last year and the records indicate that at the three museums in August of this year as compared to August of 1947 were as follows: Museum $14[illegible] below 1947. Old Faithful 9% above 1947. Tower Ranger Station 1% below 1947.

The Association completed the publishing of Yellowstone Park Nature Notes for the July-August issue and it will be placed in the mails the first of September.

Increase or Decrease in Travel. The marked upward trend in travel experienced earlier in the season continued through August and by the end of the month 905,609 persons had visited the park as against 840,981 to the same date last year, an increase of 64,628 or 7.7%. August travel alone totaled 350,611 as against 307,936 in August 1947, an increase of 13.9%. This was the peak month for visitors during the season. The daily average for visitors entering the park was 11,310 and for the 23-day period from August 3 through 25, a daily average of 12,612 visitors entered the park. The average number of visitors per automobile was 3.5 during the month. On the last day of the month, visitors passed the 900,000 mark thirteen days before the number was reached last year and there is little doubt that the travel this year will exceed the million mark for the first time.

Visitors. General Batista, former President of Cuba, in West August 10, out West 12th. Robert M. Yoder, Associate Editor, Saturday Evening Post, in August 3 to get material for a Saturday Evening Post article, out 11th. Harry E. Radcliffe, Vice President, American Nature Association, and Treasurer, Natural Resources Council of America, in August 8. Arthur Orr, Clerk, House Subcommittee for Agriculture on Appropriations, in August 11. Louis Panush, Science Review, Detroit, Michigan, in August 10. Brigadier General Frank S. Cocheu, U. S. Army (Retired) and Colonel Francis C. Endicott, U. S. Army (Retired), in August 10. Reg Manning, nationally known cartoonist, in August 5. Martin W. Clement, President, Pennsylvania Railroad, in August 5. Ralph E. Bodley, Administrative Assistant to Senator Eoton of Montana, in August 3. Steve Trumbull, writer for Miami, Florida, Herald, in August 2, out South 4. Daniel B. Maher, writer, Times Herald, Washington, D. C., in August 12. Party of Outdoor Editors sponsored by Pacific Northwest Tourist Association in August 11, out 13. Party included Jim McKenna, Grand Rapids Press; Frank Vestal, Memphis Commercial Journal; Lytton Taylor, St. Paul Dispatch; Andy Anderson, Houston Press; Jack Bell, Washington Post; and Jack Shave, Minneapolis Tribune. Congressman A. L. Miller of Nebraska in South August 14. A. E. Joscelyn, General Manager, C.B.S. Broadcasting Station, Hollywood, California, in August 17. Si Rifkind, Federal District Judge, New York City, in August 11, out 15. Judge E. B. Prettyman, Washington, D. C., in August 14, out West 18. Phil S. Bernays, Vice President, Sierra Club of California, in Northeast August 17, out 19. Ansel Adams, nationally known Photographer and Yosemite Concessioner, in August 16. Congressman Walt Horan of Washington in August 19. Captain Karl A. Thieme, U. S. Navy, in August 19. Harry Stouffer, Manager, National Press Club, Washington, D. C., in August 19. Senator Henry C. Dworshak of Idaho in August 21. Dr. Cordero, Director, Natural History Museum, Montevideo, in North August 19. Dr. G. J. Tinsley, Southeastern Louisiana University, in August 22. General David P. Barrows (Retired), former President, University of California, in August 21, out 23. Fred Berquist, Secretary of a Congressional Joint Committee, in August 24. Harold P. Fabian, Rockefeller Representative in Jackson Hole, in South August 24, out 25. F. C. Fourie, Head, Department of Commerce, Orange Free State University, South Africa, in August 27. Congressman Thomas E. Martin of Iowa in August 28, out 29. Dr. L. C. Graton, Professor, Harvard University, and Professor Francis Birch and Dr. George C. Kennedy in North August 15, out 29. Hugh Brown, Clerk, Senate Committee on Interior and Insular Affairs, U. S. Senate, in August 28, out 31. Dr. Gustav E. Lindskog, Professor of Surgery, Yale University, in August 28. Ernest Corts, Photographer for Castle Films,

Increase of Interest in Travel. The national tourist travel is being experienced earlier in the season continued strong, August was in the [illegible] of the month 295,[illegible] persons had visited the park at Gulfport [illegible] same date last year, an increase of [illegible] or 7.7%. Tourist travel also totaled 290,[illegible] as against 267,[illegible] in August 1941, at increase of [illegible]. This was the peak month for visitors during the season. The daily average for visitors entering the park was [illegible] and for the 29-day period from August 3 through 31, a daily average of 10,[illegible] visitors entered the park. The average number of visitors per automobile was 3.5 during the month. On the last day of the month, visitors passed the 900,000 mark. Data before the number was reached last year and there is little doubt that the travel this year will exceed the million mark for the first time.

Visitors. General Antis, former President of Cuba, in Port [illegible] 10, one day [illegible]. Robert M. Yerkes, Associate Editor, Saturday Review, in August 3 in [illegible] material for a forthcoming evening post article, out 11th. Harry S. Truman, Vice President, American Bakers Association, and Treasurer, Natural Resources Council of America, in August 6. Arthur Orr, Alert, Inc., Subcommittee for Aircraftures on Appropriations, in August 11. Louis [illegible], Science Review, Toronto, Canada, in August 13. Principal General [illegible] Cochran, W. S. Gray (Retired) and Colonel Francis G. Phillips, U. S. Army (Retired), in August 16. Hon Bowling, nationally known [illegible], in August 3. Martin F. Clement, President, Pennsylvania Railroad, in August 5. [illegible] Sadley, [illegible] in [illegible] Zone of Panama, in August 9. Steve Trowbill, editor for Miami, Florida, Herald, in August 9, and [illegible] Daniel S. Walker, editor, Time Magazine, Washington, D. C., in August 12. Party of Outdoor Editors arranged by Pacific Northwest Travel Association in August 11, out 13. Party included six Editors, Grand Coulee Dam, Portland, Wenatchee Commercial Journal, Lytton Lyons, Co. Tom Chapman, [illegible] Anderson, Aberdeen Daily Herald, Washington Post; and Jack Shaw, Tacoma Tribune. Congressman A. L. Miller of Nebraska in July August 1. A. J. Lessing, General Manager, C.B.S., Broadcasting Station, Hollywood, California, in August 17. St Pilkin, Federal Wildlife Judge, San Pedro, in August 11, out 13. Judge W. D. Hastings, Washington, D. C., in August 11, out week 14. Phil S. Harvey, Vice President, Alpine Club of California, in Northwest August 17, out 19. Lionel Adams, National Geographic Society, Yosemite Conservation, in August 16. Conservation Field Group of Washington in August 10. Joaquin Murieta, Chicago, U. S. Navy, in August 10. Harry Stouffer, Manager, National Press Club, Washington, D. C., in August 10. Lawrence Henry G. Sperling of Ohio in August 21. Dr. Dowdens, Director, Natural History Museum, Montevideo, in Port August 19. Mr. W. S. Tunney, Southwestern Bankers Convention, in August 22. General Pedro P. Aguirre Cerda (Retired), former President, University of California, in August 20, out 21. Fred Berrisis, Secretary of a Congressional Joint Committee, in August [illegible]. Harold E. Ickes, Washington, Secretary of Interior in Yosemite Park, in August 24, out 25. F. C. Morris, Head, Department of Commerce, Orange Free State University, South Africa, in August 27. Congressman Tyson T. Martin of Iowa in August 28, out 29. Dr. C. C. Dutton, Professor, Harvard University, and Professor Francis Sivel and Dr. Georg C. Kennedy in Port August 19, out [illegible]. Hugh Evans, Clerk, Senate Committee on Interior and Insular Affairs, U. S. Senate, in August 28, out 31. Dr. Gustav H. Linsdong, Professor of Geology, Yale University, in August 28. Forest Corps, [illegible] for Parks [illegible].

who arrived July 22, remained throughout most of month. Gene Lester, Saturday Evening Post Photographer, in August 26. Jack Bugas, Vice-President, Ford Motor Company, Detroit, Michigan, and former Yellowstone Seasonal Ranger, in August 23. June Haver, Movie Star, Hollywood, California, in August 28. Phil Harris, Radio and Movie Star, in August 30.

Ranger Service. The duties of the protection division personnel were devoted mainly to the handling of the large number of people entering the park each day. However, for a twenty-three day period from the 3rd through the 25th, an average of 12,162 persons checked through the five entrances. As a result the activities of the ranger personnel were increased relative to enforcement of regulations, general protection duties, checking station routine, investigations and in disseminating of information.

Four patrol cars were on duty during the month, in enforcing traffic regulations, checking on roadside fires, traffic control and assisting the park visitors that had difficulty along the roadside. Field work consisted of trail maintenance, suppression of fires, repair of patrol cabins, looking for lost persons and in boat patrols on Yellowstone Lake.

Chief Ranger Francis D. LaNoue was transferred to Rocky Mountain National Park on August 22, to assume the duties there as Assistant Superintendent. Assistant Chief Ranger Curtis K. Skinner was designated Acting Chief Ranger. Homer I Brent was appointed to the position of Park Ranger, CPC-7 from the position of Park Ranger CPC-6, on August 8. Winter assignments for most of the protection division personnel were made on August 23.

Registration centers were established in four of the ranger stations of the park for registering of men between the ages of 18 and 25, for the recent Selective Service Act.

Law Enforcement. A total of 30 cases were brought before the U. S. Commissioner for trial during August and fines to the amount of $471 were collected. While no jail sentences were passed upon the defendants, two men were held in jail for one day each, pending a hearing before the U. S. Commissioner. Offenses committed and the number of instances were as follows: Excess Speed, 24; Reckless Driving, 2; Petty Larceny, 1; Failure to keep dog on leash, 1; Disorderly Conduct, 1; Driving in areas other than authorized roads, 1.

Wildlife and Fish Cultural Activities. BEARS. Black bears continued numerous along the park roads. Temporary traffic jams due to public admiration of these animals were common. A number of minor automobile accidents occurred indirectly in connection with this stall of traffic. Fifteen people were injured by roadside bears during August, making total reported injuries for the season 31. Of this total, 7 personal injuries were inflicted without provocation by grizzly bears in the Old Faithful Campground during July. Twelve property damages from bears were reported during the month, making the total for the season 23. Six of these damages were attributed to grizzly bears in Old Faithful Campground during July. Two black bears were killed for control purposes. Previously two black and three grizzly bears had been killed, making the season total, four blacks and three grizzlies.

[illegible] arrives July 22, beginning a [illegible] week of work. [illegible] Lewis, [illegible] Dwaine Hart Moorgarden, in August 23. [illegible] Chief Ranger, Fire-Wardens, and Labor Foreman, Detroit, Michigan, and former Fellowship [illegible], in August 24. [illegible] Dave Hayes, Boyle Lake, Saskatchewan, Canada, in August [illegible]. [illegible] Harris, Bemis and Davis Lake, in August 26.

Ranger Service. The duties of the protection division personnel were devoted mainly to the handling of the large number of people attracted to the park each day. However, for a month-long period from the first week in July, an average of 12,162 persons crowded through the five entrances. As a result the activities of the ranger personnel were increased relative to enforcement of regulations, general protection duties, conducting emergency rescue, investigations and in disseminating of information.

Four patrol cars were on duty during the month, in enforcing traffic regulations, checking on roadside fires, traffic control and assisting the park visitors that had difficulty along the roadside. Plans were completed of trail maintenance, supervision of fires, results of patrol cabins, looking for lost persons and in boat patrols on Yellowstone Lake.

Chief Ranger Francis C. Lewis was transferred to Rocky Mountain National on August 22, to assume the duties there as Assistant Superintendent. Assistant Chief Ranger Curtis E. Richmond was designated Acting Chief Ranger. Ranger I Frank was appointed to the position of Park Ranger, vice [illegible] from the position of Park Ranger Grade [illegible], on August 6. [illegible] assignments for most of the protection division personnel were made on August [illegible].

Registration centers were established in four of the ranger stations of the park for registering of men between the ages of 18 and 45, for the recent Selective Service Act.

Law Enforcement. A total of 30 cases were brought before the U. S. Commissioner for trial during August and fines to the amount of $[illegible] were collected. While in jail awaiting trial or payment of fines, [illegible] men were held in jail for one day each, pending a hearing before the U. S. Commissioner. Offenses committed and the number of [illegible] were as follows: Excess speed, [illegible]; Reckless driving, [illegible]; Failure to keep dog on leash, 1; Disorderly conduct, 1; Driving in areas other than authorized roads, 1.

Wildlife and Park Natural Activities. Bears. Black bears continued numerous along the park roads. Temporary traffic jams due to public admiration of these animals were common. A number of minor automobile accidents occurred indirectly in connection with this small of traffic. Fifteen people were injured by roadside bears during August, making total reported injuries for the season [illegible]. Of this total, 7 personal injuries were inflicted without provocation by grizzly bears in the old faithful campground during July. Twelve property damage from bears were reported during the month, making the total for the season [illegible]. Six of these damages were attributed to grizzly bears in Old Faithful campground during July. Two black bears were killed for control purposes. Previously two bison and three grizzly bears had been killed, making the season total, four black bears and three grizzlies.

During the latter part of August bears became more numerous around the main campgrounds. Occasional grizzlies have been seen in the Fishing Bridge Campground.

BUFFALO. Very few visitors had the opportunity to see buffalo, most of which apparently remained in the higher isolated regions. One old bull frequently caused extensive traffic jams on the East Entrance road.

ELK. Small bands of elk have been seen regularly in the meadows below Madison Junction. They have attracted a large number of spectators. Occasional elk have been seen at other points around the park, particularly near Roaring Mountain, Gibbon Meadows, Pelican Creek, Canyon and Tower Junction.

MOOSE. While Willow Park continues to be one of the best places to see moose, these animals have afforded visitors much enjoyment at Pelican Creek, along the Madison River, near Aster Creek and at numerous other points. Moose have contributed to traffic congestion at numerous places.

TRUMPETER SWAN. Althouth this service did not undertake a swan census this year, an observer covered most of the park in a Fish and Wildlife Service airplane during the week of August 15-21. It is anticipated that results of the Fish and Wildlife Service census will be available at a later date.

Forest Fire Protection. Seven Class "A", two Class "B" and six Non-Reportable Forest Fires were reported during August. During the month there were 17 days when the park average fire danger was above 45, most of the high readings being taken after August 13. On August 30 the park average was 82, the high for the season. A Class "B" Fire in the Gallatin Divide in a very bad fuel type, was suppressed on August 29 with a fire danger of 68. A lightning storm on August 18 caused about eleven fires. Several of these fires went out before they were found. Six smokejumpers were called from Missoula on August 19 but poor visibility and high winds made it impracticable to jump and they returned to Missoula that night.

The Pre-Suppression Crew accomplished considerable maintenance work on the Marys Mountain truck trail bridges, replanking the tread on the larger ones. This crew also installed a new Osborne Fire Finder on the West Yellowstone Lookout Tower. During the latter half of the month, however, they were busy for the most part of fire suppression work.

The surplus Dodge Fire Truck recently acquired was checked, equipped, and partially repainted. After it was checked it was assigned to the Old Faithful District.

Trail Maintenance. The Annual Trail Cost Report covering Fiscal Year 1948 was prepared and submitted.

Two small trail crews did maintenance work on the trails in the West Yellowstone, Bechler River, Snake River and Lake Districts.

during the latter part of August, moving between that [illegible] from the main campground. Numerous [illegible] have been seen in the [illegible] Bridge campground.

Moose. Fair [illegible] [illegible] of which apparently remained in the [illegible] [illegible]. [illegible] frequently caused [illegible] [illegible] on the [illegible].

Elk. Small herds of elk have been seen regularly in the [illegible] Madison Junction. They have attracted a large number of [illegible]. [illegible] tional elk have been seen at other points around the park, particularly near Fountain Geyser, Gibbon meadows, Fairies Grove, Canyon and Tower Junction.

Moose. While Yellow Park continues to be one of the best places [illegible] moose, these animals have affected visitors much [illegible] [illegible] Grove, along the Madison River, near Lower Geyser and at [illegible] [illegible] points. Moose have contributed to traffic congestion at numerous places.

Improved Road. Although this service did not commence [illegible] this year, an observer covered most of the road in a jeep and reported [illegible] service airplane during the week of August 17-21. It is anticipated that results of the jeep and airplane service will be available [illegible] date.

Forest Fire Protection. Seven lines "A", two lines "B" and six [illegible] Superintendent Forest Fire Prevention during July. During the month there were 17 days when the park average fire danger was above 15, and of [illegible] high relative humidity when after August 15. [illegible] [illegible] was 50, the high for the season. A fire "B" line in the Mammoth [illegible] in a very hot fuel type, was suppressed in August by [illegible] a fire danger of 56. A lightning storm on August 19 caused about [illegible] fires. Several of these fires went out before very much [illegible] burned. The smoke from Glacier National Park in Montana on August 19 was [illegible] visibility and high winds made it impracticable to send out many patrols to discover that night.

The fire-suppression crew accomplished considerable maintenance work on the large Dunning crew trail bridge, replacing one [illegible] on the larger span. This crew also installed a new Osborne fire finder on the West Yellowstone Lookout Tower. During the latter half of the month, however, they were busy for the most part on fire suppression work.

The Madison Junction fire truck necessarily stationed was checked, adjusted and partially replaced. After it was obtained it was assigned to the Mammoth District.

Trail Maintenance. The annual trail work report, covering [illegible] 1940 was prepared and submitted.

The small trail crews did maintenance work on the trails in the West Yellowstone, Lodge River, Grand River and Lake districts.

White Pine Blister Rust Control. The Blister Rust Control project on the Mt. Washburn Unit was interrupted several times during the month by forest fire emergencies and unfavorable weather during the afternoon hours. The camp strength was reduced considerably about August 20 because it was necessary for a number of the employees to quit to return to school. The progress of the work, however, was satisfactory insofar as there was labor available and the quality of the work accomplished was excellent. Representatives of the White Pine Blister Rust Control Division of the Bureau of Entomology and Plant Quarantine made frequent inspections of the work and rendered technical advice. Some advance reconnaissance checks were made on the area within the Mt. Washburn Unit which will not be completely worked this year. The surveys indicate that ribes concentrations in some sections are greater than was originally anticipated.

Forest Insects. A rather thorough study was made of a number of dying whitebark pines in the vicinity of Dunraven Pass to determine whether they had been effected by insect infestations or from Ribes eradication activities. It appeared that all of the dying trees have been attacked rather heavily by bark beetles but that the insects are not the primary cause of their death. In some instances Ribes had been pulled out from around the base of the trees and in some instances the ground near the trees was undisturbed. In a great many other cases, trees remained in a flourishing condition even though there had been extensive soil disturbance from Ribes eradication.

Building Fire Protection. Three fires in Yellowstone Park Company buildings were reported during the month. All of them were quickly suppressed and there was no extensive damage. Frequent fire drills were held in all of the Company establishments and in most cases the fire brigades, composed of seasonal employees, were found to function satisfactorily.

Accidents. Seventy-eight motor vehicle accidents were reported during the month of August, 41 being Class "A" and 37 Class "B" accidents. One Class "A" accident involved that of a National Park Service Truck but was of a minor nature. Twelve Class "B" accidents resulted in injuries to the occupants, but all were of a minor nature except in one case. In this accident, two motorcycles, one carrying a passenger in addition to the driver, were traveling along behind a string of cars that stopped suddenly to observe a bear on the highway between Old Faithful and West Thumb. Mr. Jerry Storm of Matton, Illinois, the driver of one of the motorcycles, ran into the rear of the last car of this string that had stopped. His motorcycle then swerved into the machine driven by Mr. Clifford Queen of Neoja, Illinois, with the latter's wife as a passenger. Both motorcycles then rolled down a 15-foot embankment. Mr. Queen suffered a broken hip and head injuries and Mrs. Queen suffered a number of bruises and lacerations. Mr. Storm was knocked unconscious, but was not otherwise seriously injured.

On August 4, Martin Fink, Age 17, of Forest Hill, New York, suffered second degree burns, when he walked too close to the Fountain Geyser, during a period of its eruption. He was treated at the dispensary at Old Faithful and at the Park Hospital in Mammoth.

White Pine Blister Rust Control. The blister rust control program on the Mt. Washburn unit was interrupted several times during the month by forest fire emergencies and unfavorable weather during the latter part. The camp strength was reduced considerably about August 20 because it was necessary for a number of the enrollees to quit to return to school. The progress of the work, however, was satisfactory inasmuch as there was labor available and the quality of the work accomplished was excellent. Representatives of the White Pine Blister Rust Control Division of the Bureau of Entomology and Plant Quarantine made frequent inspections of the work and rendered technical advice. Some advance reconnaissance checks were made on the area within the Mt. Washburn Unit which will not be completed during this year. The surveys indicate that ribes concentrations in some portions are greater than was originally anticipated.

Forest Insects. A rather cursory study was made of a number of dying whitebark pines in the vicinity of Dunraven Pass to determine whether they had been affected by insect infestations or from fire suppression activities. It appeared that all of the dying trees had been attacked rather heavily by bark beetles but that the insects are not the primary cause of their death. In some instances roots had been pulled out from around the base of the trees and in some instances the ground near the trees was undisturbed. In a great many other cases, trees remained in a flourishing condition even though there had been extensive soil disturbance from fire suppression activities.

Building Fire Protection. Thirty fires in Yellowstone Park Company buildings were reported during the month. All of them were quickly suppressed and there was no extensive damage. Frequent fire drills were held at all of the Company establishments and in most cases the fire brigades, composed of seasonal employees, were found to function satisfactorily.

Accidents. Seventy-eight motor vehicle accidents were reported during the month of August, 41 being Class "A" and 37 Class "B" accidents. One Class "A" accident involved that of a National Park Service truck but was of a minor nature. Twelve Class "B" accidents resulted in injuries to the occupants, but all were of a minor nature except in one case. In this incident, two motorcycles, one carrying a passenger in addition to the driver, were traveling along behind a string of cars that stopped suddenly to observe a bear on the highway between Old Faithful and West Thumb. Mr. Harry Quinn of Moline, Illinois, the driver of one of the motorcycles, was unable to stop and struck the rear car of this string that had stopped. His motorcycle then swerved into the machine driven by Mr. Clifford Brown of Moline, Illinois, with the latter's wife as a passenger. Both motorcycles then rolled down a 15-foot embankment. Mr. Quinn suffered a broken leg and head injuries and Mrs. Quinn suffered a number of bruises and lacerations. Mr. Brown was knocked unconscious but was not otherwise seriously injured.

On August 4, Marvin Fink, age 14, of Forest Hill, New York, suffered second degree burns, when he walked too close to the Fountain Geyser, during a period of its eruption. He was treated at the dispensary at Old Faithful and at the Park Hospital in Mammoth.

Personnel. Homer I. Brent, Seasonal Ranger, was promoted to the position of Permanent Park Ranger, CPC-7, on August 8.

Park Ranger Michael Sedar, CPC-7, resigned at the close of August 31 to take a coaching job in one of the Casper, Wyoming, schools.

Janet M. Evans entered on duty as a seasonal Clerk-Typist, CAF-3, in the Fiscal Office on August 10.

On August 10 the Director approved the transfer of Chief Ranger Francis D. LaNoue to the Assistant Superintendency of Rocky Mountain National Park. His transfer became effective at 8:00 a.m. August 22.

The position of Storekeeper (General), CAF-6, No. 120, was established August 11, 1948, to replace the position of Property Clerk, CAF-5, No. 70, occupied by Howard S. Kocher. Roy B. Kopisch was appointed to the new position by transfer from the Veterans Administration, Sheridan, Wyoming, on August 23 and Mr. Kocher was changed to lower grade to his former position of Automotive Mechanic, ungraded, effective August 22.

The services of a number of seasonal employees were terminated by the end of the month.

On August 31 the Director approved the transfer and promotion of Assistant Chief Ranger Albert E. Elliott to the position of Custodian, Mount Rushmore National Memorial. In view of the limited funds available, Mr. Elliott will not enter on duty in his new position until the first week in October.

Deaths. Six deaths occurred in the park during the month. On August 2 Mr. Horace B. Garrett, 64, Chef at the Old Faithful Inn, died at the Mammoth Hospital after a prolonged stay in the hospital following the breaking of his hip early in the season. Mrs. Nellie G. Leach, 61, Brookville, Pennsylvania, died of a heart attack at Old Faithful on August 12. Elizabeth J. Gildenbach, 69, Columbus, Ohio, died at the Canyon Lodge of a heart attack on the 14th. Frank C. Clemens, 69, of Houston Texas, died of a heart attack at Old Faithful on the 18th. William W. McBride, 63 Denver, Colorado, died of a heart attack at Old Faithful on August 24.

Ethel Skinner, 47, wife of Assistant Chief Ranger Curtis K. Skinner, died at the Mammoth Hospital on August 19. Funeral services were held in Livingston, Montana, on Saturday, August 21. Albert Elliott, William Nyquist, Lee Coleman, William Chapman, John Jay and Rudolf Grimm, all members of the protection division, were pall-bearers.

Mrs. Dora M. Stebbins, 59, mother of Walter Stebbins, Mixed Gang Foreman, died at the Lott Hospital in Livingston on August 15.

Mrs. Anna Dale Robinson, widow of former Chief Electrician Charles Dale, who spent many years in the Yellowstone while her husband was Chief Electrician, died in Livingston, Montana, on August 19.

Jacksonville, Lamar T. Jones, Jacksonville, Lamar, was arrested in Jacksonville of Tuscaloosa Park Ranger, [illegible], on August 2.

Park Ranger Michael Jones, [illegible], resigned at the close of August 31 to take a counselor job in one of the [illegible], Tuscaloosa, [illegible].

Lucas T. Jones entered on duty as a regional [illegible], [illegible], in the Miami office on August 16.

On August 16 the Director approved the transfer of [illegible] Manager Francis T. Lemone to the Assistant Superintendency of Yosemite National Park. His transfer became effective at 5:00 a.m. August 22.

The position of Superintendent (General), [illegible], [illegible], was eliminated August 1, 1948, to replace the position of Property Officer, [illegible], [illegible] occupied by Howard A. Lanier. [illegible] appointed to fill the position of [illegible] transfer from the Veterans Administration, Charles, Pennsylvania, on August 11 and Mr. Lanier was assigned to [illegible] to fill [illegible] position of Automotive Mechanic, supervisor, effective [illegible].

The services of a number of seasonal employees were terminated in [illegible] and of the month.

On August 31 the Director approved the transfer and promotion of Assistant Chief Ranger Albert L. Willett to the position of Director, Southwestern Regional Museum. In view of the limited [illegible] available, Mr. Willett will not assume his duty in his new position until the first week in October.

Omega. His [illegible] occurred in the park during the month. He [illegible] Mr. Jerome B. [illegible], [illegible] Hospital [illegible], died at his home. Hospital after a prolonged and painful illness following the operation of his only in the [illegible]. [illegible] Charles G. Lamb, 61, Jacksonville, Pennsylvania, died of a heart attack at Old Faithful on August 20. Elizabeth A. Glendenon, 70, Columbia, S.C., died as the Canyon lodge of a heart [illegible] on the 19th. Frank O. Clemens, 50, of Hawaiian Tree, died of a heart attack at Old Faithful on the 19th. Wilfred E. Hartman, 63 [illegible], died of a heart attack at the Cultural on August 23.

Retired Ranger, [illegible], wife of Jacksonville Chief Ranger Curtis T. Hanner, died at the Hanner Hospital on August 19. Funeral services were held in Livingston, Montana, on Saturday, August 21. Albert Miller, William Pyrch, Lee Coleman, William Chapman, John Day and retired Park Rangers of the protection division, were pall-bearers.

Mrs. Tom R. Hobbins, 59, mother of Walter Hobbins, Wheel [illegible], died at the York Hospital in Livingston on August 19.

Mrs. Anna Dale Robinson, widow of former Chief Geologist Charles Dale, who spent many years in the Yellowstone while her husband was Chief Geologist, died in Livingston, Montana, on August 22.

Mrs. Alice Benson, sister of Mrs. Horace M. Albright, died in Sacramento, California, on August 21, after a lingering illness. Mrs. Benson visited many times in the Yellowstone when Mr. Albright was Superintendent of the park.

Births. A daughter, Condice Jean, was born to Mr. and Mrs. Neil K. Howard of Gardiner in the Mammoth Hospital on August 6.

Miscellaneous. A ten-day horseback trip over a portion of the Howard Eaton Trail was conducted by the Yellowstone Trails Ranch, Gardiner, Montana, beginning August 3. These horseback trips were started during 1947 in commemoration of the Seventy-Fifth Anniversary of the Park and are expected to continue each year.

Joseph Joffe,
Acting Superintendent.

cc: Region Two, in quintuple.
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JJ/ekm

Mrs. Allen Dawson, Editor of Dr. [illegible] Quarterly, Sun [illegible] Yellowstone, on August 21, [illegible] Lighting Library. Mrs. [illegible] many times in the Yellowstone [illegible]. [illegible] was [illegible] [illegible] park.

Mr. [illegible] Langhorn, [illegible] Park, was [illegible] [illegible] 1. Superintendent of Parks in the Bannock Tribal on August 6.

Assignment. A one-day [illegible] was [illegible] [illegible] Trail was conducted by the Yellowstone Park Lodge, [illegible], [illegible] Regional Report 3. There [illegible] [illegible] [illegible] in [illegible] of the Government [illegible] [illegible] to continue each year.

Keep up [illegible],
Lorna [illegible].

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