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UNITED STATES
DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

Yellowstone NATIONAL PARK

OKS

FILE NO.

	ROCCERS	
✓	EMMERT	
✓	JOFFE	
	NEILSON	
	BUSSEY	
	LARSEN	
	SHOREY	
	SHER	
✓	LANOUE	
	ELLIOTT	
	MILLER	
✓	BAUER	
	KEARNS	
✓	LORD & Co	
	ROBINSON	

MONTHLY REPORT

November, 1938

IMPORTANT

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ARNO B. CAMMERER,
Director.



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

OFFICE OF THE SUPERINTENDENT

December 5, 1938

Memorandum for the Director:

The following is the report of activities for Yellowstone National Park during the month of November, 1938:

000 - General

The month was the second coldest November of record with a mean temperature of 22.2 degrees, being exceeded only in 1921 when the mean temperature was 21.2 degrees. Two sub-zero temperatures were recorded, 2 degrees below zero on the twenty-second and 10 below on the twenty-third. The highest temperature recorded during the month was 41 degrees above on the twenty-eighth. There were five clear days during the month, six partly cloudy and nineteen cloudy, with a measurable precipitation occurring on ten days. The total precipitation for the month amounted to 0.63 inch, which was 0.11 inch less than normal for November. Two and three tenths inches of snow fell on November 4, and at the end of the month there remained 2.4 inches of snow on the ground.

The storm of the fourth closed the East and South Entrance roads to travel and they were not reopened during the month. This storm was responsible for our discouraging travel, and press notices were sent out to the effect that all roads were closed to travel except the north line road from Gardiner to Cooke which we contemplate keeping open throughout the winter for the benefit of Cooke residents, and in order to make available to winter visitors the excellent wildlife show in this area. A special appropriation has been received for keeping this road open during the winter. Because of the Public Works projects under way at the Lake and Thumb, the roads to those areas were kept open to permit travel for our own employees.

On November 8 all of the Bureau of Public Roads crews had discontinued work with the exception of one crew engaged on the tunnel near Crescent Hill. The last operating contractor, Max J. Kuney, who has the Lamar Canyon-Northeast Entrance surfacing project, closed down operations and moved in his crew on the ninth.

A small fire occurred on November 14 in the tent quarters occupied by Carpenter Arnold Westover. The fire was evidently caused by an overheated stove. The tent was entirely demolished and most of the contents were destroyed.

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

BE THE SUPERINTENDENT

The following is a report of activities for the month of August, 1935:

August - Summary

The month was the second highest month of forest fire activity in the history of the Park. There were 103 fires reported, covering 14,500 acres. The highest number of fires reported in any one day was 12 on August 14th. The highest number of acres burned in any one day was 1,200 on August 14th. The total number of acres burned in the Park during the month was 14,500. The total number of acres burned in the Park during the month was 14,500.

The fire season closed on August 31st with 103 fires reported and 14,500 acres burned. The fire season was the second highest in the history of the Park. The total number of acres burned in the Park during the month was 14,500.

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On November 19 the Bureau of Public Roads delivered to the park the F.W.D. truck and rotoblade snowplow purchased with Park Service funds and used by the Bureau in keeping open the Red Lodge-Cooke road from Richel Lodge toward the summit. This snowplow is to be placed in the regular Park Service equipment pool and will be used during the winter in helping to keep open the roads around Mammoth and the road from Mammoth to Cooke. The plow is to be returned to the Bureau of Public Roads at Red Lodge in the spring for use in opening the Red Lodge-Cooke highway.

Following closely the death of his wife, which occurred on October 9, Chester A. Lindsley, an oldtime employee of the National Park Service, passed away in Livingston at the Lott Hospital early Thanksgiving morning, November 24. Mr. Lindsley first came to the Yellowstone in 1894 and was employed that fall as a clerk with the War Department, then administering the park. He rose to the position of Assistant Superintendent and in 1916 when the National Park Service was created became the first Acting Superintendent of the park under the new Service. He was in charge of the park until 1919 when Horace M. Albright was appointed as the first civilian Superintendent under the National Park Service. In 1922 Mr. Lindsley was made Postmaster at Mammoth when the post office was moved from the Whittaker Store to the bachelor building, and he occupied this position until June 30, 1935 when he was retired. Mr. Lindsley spent his remaining years on the west coast in the winter and in and around the park in the summer, working for two summers for J. E. Haynes, the authorized park photographer. Both he and Mrs. Lindsley became ill early this summer when they came to the park and visited their daughter at the Cooke ranger station. They spent the entire summer and fall under the doctor's care, and both were in the hospital most of the time. Following Mrs. Lindsley's death, Mr. Lindsley's condition became worse and his passing was but six weeks following that of his wife. Funeral services were held in the Episcopal Church in Livingston on Saturday, November 26, with Joseph Joffe, Francis D. LaNoue, Egbert Newberry and R. J. MacDonald of the park, Clarence Scoyen of Gardiner, and Dr. F. S. Way of Livingston acting as pallbearers. Burial was in the Sunset Hills Cemetery in Bozeman in a plot alongside of Mrs. Lindsley. Mr. Lindsley was sixty-six years of age when he died. During the past two years the two oldest families of the park, the Chester A. Lindsley and Leroy Hill families, have passed on. Mr. Lindsley is survived by a daughter, Marguerite L. Arnold, wife of LeRoy Arnold, a Yellowstone Park ranger stationed at the Northeast Entrance.

On November 22 the Director advised us that the Board of Geographical Names had approved the name "Mount Hornaday" for the mountain on the divide between Soda Butte and Slough Creeks in the northeast section of the park, named in honor of Dr. William T. Hornaday, zoologist, author, and conservationist. The mountain is located near the Buffalo Ranch, this particular feature being selected because of the important part Dr. Hornaday played in the conservation of the park's buffalo.

On November 19 the Bureau of Public Roads delivered to the park the T.W.D. truck and reloaded snowplow purchased with Park Service funds and used by the Bureau in keeping open the Red Lodge-Cooke road from Red Lodge toward the summit. This snowplow is to be placed in the regular Park Service equipment pool and will be used during the winter in helping to keep open the roads around Mammoth and the road from Mammoth to Cooke. The plow is to be returned to the Bureau of Public Roads at Red Lodge in the spring for use in opening the Red Lodge-Cooke highway.

Following closely the death of his wife, which occurred on October 20, Chester A. Lindley, an old-time employee of the National Park Service, passed away in Livingston at the last hospital early Thursday morning, November 21. Mr. Lindley first came to the following position in 1904 and was employed that fall as a clerk with the Park Service, then administering the park. He rose to the position of Assistant Superintendent and in 1916 when the National Park Service was created became the first Acting Superintendent of the park under the new Service. He was in charge of the park until 1919 when horses were appointed as the first civilian Superintendent of the National Park Service. In 1922 Mr. Lindley was made Foremaster at Mammoth when the post office was moved from the Mammoth store to the bachelor building, and he occupied this position until June 30, 1927 when he was retired. Mr. Lindley spent his remaining years on the west coast in the winter and in and around the park in the summer, working for two summers for J. T. Hayes, the authorized game warden. Both he and Mrs. Lindley became ill early this summer when they came to the park and visited their daughter at the Cooke ranch station. They spent the entire summer and fall under the doctor's care, and both were in the hospital most of the time. Following Mrs. Lindley's death, Mr. Lindley's condition became worse and his passing was but six weeks following that of his wife. Funeral services were held in the Episcopal Church in Livingston on Saturday, November 26, with Joseph Joffe, Francis D. Laloue, Robert Newberry and E. J. Macdonald of the park, Clarence Boyer of Gardiner, and Dr. W. S. Day of Livingston acting as pallbearers. Burial was in the Forest Hills Cemetery in Bosman in a plot alongside of Mrs. Lindley. Mr. Lindley was sixty-six years of age when he died. During the last two years the two oldest families of the park, the Chester A. Lindley and Jerry Hill families, have passed on. Mr. Lindley is survived by a daughter, Marguerite L. Arnold, wife of LeRoy Arnold, a Yellowstone Park ranger stationed at the Northeast Entrance.

On November 22 the Director advised us that the Board of Geographical Names had approved the name "Mount Normandy" for the mountain on the divide between Soda Butte and Rough Creek in the northeast section of the park, named in honor of Dr. William F. Normandy, geologist, author, and conservationist. The mountain is located near the Buffalo Ranch, this particular feature being selected because of the important part Dr. Normandy played in the conservation of the park's Buffalo.

Dan Cupid worked overtime on the park's personnel, two marriages having been consummated during the month. On November 12 Verna Roe, clerk in the Superintendent's office, was married to James Somerville of Gardiner in Deer Lodge, Montana. Mr. Somerville was employed by the Yellowstone Park Company and the Bureau of Public Roads during the past summer, and is now employed in the post office in Gardiner. The couple are making their home in the apartment house at Mammoth.

On November 28 the park people were surprised to learn of the marriage on that date in Butte of District Park Ranger Frank Anderson to Miss Patti Hopkins of Lewiston, Montana. Miss Hopkins was employed during the past summer at the Hamilton Curio Shop at the Canyon Lodge, at which point Ranger Anderson was stationed. The newlyweds moved into their winter home at the Bechler River Station in the southwest corner of the park, traveling by automobile and sleigh since that section of the park is now entirely shut off from motor transportation. Mr. Anderson's marriage removes the park's most eligible bachelor.

020 - General Weather Conditions

A summary of the general weather conditions in the park as reported by the U. S. Weather Bureau at Mammoth will be found attached to the back of this report.

021 - In the Park

An exceptionally stormy period prevailed during the first three weeks of the month and, with clearing weather after the 22d, a number of very low temperatures were recorded. The lowest temperature, -35° was reported from the West Yellowstone ranger station on the morning of the November 23. On this same date and for several days following temperatures as low as 20-24 degrees below zero were reported from most of the interior stations.

Snow depths at the close of the month varied from about 12 inches along the north side of the park to somewhat more than two feet in the Bechler River and Snake River districts.

The only roads which remained open to travel during most of November were the Mammoth-Cooke, Mammoth-Lake, and Mammoth-West Yellowstone roads. It was possible to travel to Old Faithful without great difficulty until November 15. The road from Mammoth to Lake remained passable throughout the month due to the fact that construction activities were being carried on at Lake and West Thumb and a snow plow was used to maintain the road.

022 - Approaches to the Park

The South Entrance approach road remained closed throughout the month of November. On the east side of the park the road from Cody to the east entrance was maintained by a construction crew which was still

Don Gupid worked over the winter's personnel, two employees having been conserved during the winter. On November 15, 1934, Gupid in the Superintendent's office, was invited to lunch by the Superintendent. Mr. Gupid will be assigned by the Yellowstone Park Company and the Bureau of Public Lands during the past summer, and is now employed in the post office in Gardiner. The couple are making their home in the apartment house at Gardiner.

On November 28 the park people were surprised to learn of the marriage on that date in Latta of District Park Ranger Frank Anderson to Miss Latti Hopkins of Lewiston, Montana. Miss Hopkins was employed during the past summer at the Lewiston Guide Shop at the Canyon Lodge, at which point Ranger Anderson was stationed. The marriage was held at their winter home at the Bachelor River station in the southwest corner of the park, traveling by automobile and airplane. The wedding party is now entirely shut off from motor transportation. Mr. Anderson's marriage removes the park's most eligible bachelor.

050 - General Weather Conditions

A summary of the general weather conditions in the park as reported by the U. S. Weather Bureau of Lewiston will be found attached on the back of this report.

051 - In the Park

An exceptionally heavy snowfall prevailed during the first three weeks of the month and, with clearing weather after the 20th, a number of very low temperatures were recorded. The lowest temperature, -70° was reported from the west Yellowstone region station on the morning of the November 25. On this date and for several days following temperatures as low as 80-90 degrees below zero were reported from most of the interior stations.

Two districts at the close of the month varied from about 12 inches along the north side of the park to somewhat more than two feet in the Bachelor River and Snake River districts.

The only roads which remained open to travel during most of the winter were the Mammoth-Bozeman, Mammoth-Lewiston, and Mammoth-Yellowstone roads. It was possible to travel to Old Faithful during the first half of the month. The road from Mammoth to Old Faithful was closed throughout the month due to the fact that communication activities were being carried on at Lake and Hot Springs and a snow plow was used to maintain the roads.

052 - Approaches to the Park

The south entrance approach road remained closed throughout the month of November. On the east side of the park the road from Cody to the east entrance was maintained by a construction crew which was still

engaged in reconstruction of the East Entrance approach road at the close of the month. However, no travel was possible from the east entrance into the park as this route became blocked with snow during the latter part of October. The approaches from the west from Ashton, Idaho and Bozeman, Montana were maintained throughout the month by state maintenance crews; with the exception of short intervals during storm periods it was possible to travel these routes without difficulty. The road from Livingston, Montana to the north entrance remained in good condition except for a few icy sections.

023 - In Nearby States

In Wyoming the highway over Twogwotee Pass became blocked with snow on November 20 but the route over Teton Pass remained open throughout the month and is being maintained by Wyoming snow removal equipment. The southern route through Hoback Canyon remained in good condition for travel. In other areas surrounding the park, road conditions were reported as good with the exception of icy sections in mountainous areas.

100 - Administration

110 - Status of Work

Superintendent Rogers was in the park until November 11 when he left by car for Denver, arriving there on the night of the twelfth. He left Denver by train on the sixteenth and on the eighteenth reached Washington, where he will be assigned a special detail until about the middle of March. Assistant Superintendent Emmert became Acting Superintendent following Mr. Rogers' departure, and during Mr. Emmert's two absences during the month Assistant to the Superintendent Joffe was Acting Superintendent. Acting Superintendent Emmert left for Thermopolis, Wyoming on November 20 to attend a meeting of the Montana-Wyoming water compact, returning to the park on the evening of the twenty-second. He departed again on the thirtieth by car for Denver to attend the Missouri River Drainage Basin committee meeting and will be gone until about December 6.

Park Engineer C. A. Lord departed by car for Boise, Idaho on the twenty-ninth to attend a meeting of the Snake River Drainage Basin Committee. He will be gone until December 3.

Several employees availed themselves of the opportunity to take annual leave, as it is practically impossible for any employees to get leave during the summer season.

Merritt M. Grant of Sheridan, Wyoming entered on duty as a clerk, grade 8, \$1800 per annum, on November 1, having been selected from the Civil Service register of the Thirteenth District.

Park Rangers Lee L. Coleman and Earl M. Semingsen were promoted

engaged in reconstruction of the last winter's work at the close of the month. However, no travel was possible from the east through the winter part of October. The approach from the west through Idaho and northern Montana were maintained throughout the month by state maintenance crews, with the exception of short intervals during storm periods it was possible to travel these routes without difficulty. The road from Livingston, Montana to the north entrance remained in good condition except for a few icy sections.

023 - In heavy States

In crossing the highway over snow-covered Pass became blocked with snow on November 20 but the route over Teton Pass remained open through out the month and its being maintained by working snow removal equipment. The southern route through Hoback Canyon remained in good condition for travel. In some areas surrounding the park, road conditions were reported as good with the exception of icy sections in certain areas.

100 - Administration

110 - Status of Work

Experimentation Report was in the park until November 11 when he left by car for Denver, arriving there on the night of the twelfth. He left Denver by train on the nineteenth and on the eighteenth reached Washington, where he will be assigned a special detail until about the middle of March. Assistant Superintendent Bennett remains at Livingston following Mr. Rogers' departure, and during the month of November 20 to attend a meeting of the Wyoming-Yonkers Joint Superintendents. Acting Superintendent Bennett left for Livingston on the evening of the twenty-first, returning to the park on the evening of the twenty-second. He departed again on the thirtieth for Denver to attend the Missouri River drainage basin committee meeting and will be gone until about December 5.

Park Engineer G. A. Ford departed by car for Boise, Idaho on the twenty-ninth to attend a meeting of the Snake River drainage basin committee. He will be gone until December 5.

Several employees availed themselves of the opportunity to take annual leave, as it is practically impossible for any employees to get leave during the summer season.

Mr. M. Grant of Sheridan, Wyoming, started on duty as a clerk June 8, 1900 per annum, on November 1, having been selected from the Civil Service register of the Thirteenth District.

Park Rangers Lee L. Coleman and Earl E. Semingsen were promoted

from grade 8 rangers to district park rangers, grade 10, effective November 1.

District Park Ranger David deL. Condon returned to the park on November 2 from Scotts Bluff National Monument where he had been assigned for several weeks as acting custodian.

A special ranger examination was conducted by the Secretary of the local Civil Service Board on November 18 for Hugh Ebert to test his fitness for permanent park ranger work.

Assistant Superintendent Emmert represented the Park Service at a meeting of the Livingston Chamber of Commerce on November 18 which was a sort of farewell for L. C. Morrison, Secretary, who has accepted a position as Secretary of the Sheridan, Wyoming Chamber of Commerce.

Assistant Park Engineer Frank Lucas left on an extended leave of absence on November 18 to be gone until about the middle of January.

120 - Inspections by:

121 - Superintendent and Acting Superintendent

November 9 - With Messrs. Joffe and Haynes to Undine Falls and to roadside beaver exhibit and return Mammoth.

November 11 - Left for Denver by automobile; Assistant Superintendent Emmert acting.

November 12 - Arrived Denver.

November 13, 14 and 15 - In Denver.

November 16 - Left Denver for Washington, D. C.

November 17 - Enroute to Washington, D. C.

November 18 - Arrived Washington, D. C.

November 20 - Acting Superintendent Emmert left by Government car for Thermopolis, Wyoming.

November 21 - In Thermopolis.

November 22 - Returned Mammoth in evening.

November 25 - Emmert to Thumb and return.

November 30 - Emmert left by car for Denver to attend Missouri River Basin Drainage committee meeting.

from grade 3 rangers to district fore rangers, grade 10, effective November 1.

District Park Ranger Lewis J. Gannon returned to the park on November 2 from Scotts Bluff National Monument where he had been assigned for several weeks as acting warden.

A special ranger examination was conducted by the Secretary of the local Civil Service Board on November 13 for Ralph Hart to test his fitness for permanent park ranger work.

Assistant Superintendent Lantz requested the Park Service at a meeting of the Livingston Chapter of Commerce on November 18 which was a sort of farewell for L. C. Morrison, Secretary, who was accepted a position as Secretary of the Sheridan, Wyoming Chapter of Commerce.

Assistant Park Engineer Frank Lucas left on an extended leave of absence on November 18 to be gone until about the middle of January.

190 - Inspections by:

191 - Superintendent and Acting Superintendent

November 9 - With Messrs. Jolie and Hanes to Lodgepole and to roadside sewer exhibit and return same.

November 11 - Left for Denver by automobile; Assistant Superintendent Lantz present acting.

November 12 - Arrived Denver.

November 13, 14 and 15 - In Denver.

November 16 - Left Denver for Washington, D. C.

November 17 - Arrived Washington, D. C.

November 18 - Arrived Washington, D. C.

November 20 - Acting Superintendent Lantz left by Government car for Theropolia, Wyoming.

November 21 - In Theropolia.

November 22 - Returned Kemmerer in evening.

November 25 - Kemmerer to Thrupp and return.

November 30 - Lantz left by car for Denver to attend Missouri River Basin Drainage committee meeting.

122 - Special Field Representatives of the National Park Service

James K. Somerville, Assistant Landscape Architect from Omaha assigned to the Yellowstone throughout the summer departed via the north gate November 4 to return to Omaha.

Sanford Hill, Resident Landscape Architect, assigned to Yellowstone throughout the summer, departed via north gate November 6 to return to Omaha.

Adolph Murie, Wildlife Technician CCC, Omaha, in north November 12; out north twenty-fourth.

Charles Baldwin, Field Auditor CCC, Omaha, in north twenty-eighth; out north twenty-ninth.

Frederick T. Priester, Acting Inspector CCC, Omaha, in north November 28; out north twenty-ninth.

William E. Robertson, Regional Engineer, Omaha, who arrived via north gate October 31, departed via same gateway November 2.

123 - National Park Service Officers

Clark J. Wells, Associate Engineer, National Park Service, Washington, who arrived via north gate October 25 to assist on PWA matters, remained in the park throughout the month.

Earl Brown and Marlowe Glenn, Accountants, National Park Service, Washington, who arrived in the park on October 27 and went direct to Grand Teton National Park, returned via the west gate November 1. Out north fourteenth for Glacier.

125 - Other Governmental Officers

H. B. Hommon, Sanitary Inspector in Charge, U. S. Public Health Service, San Francisco, who arrived via the north gate on October 28, departed via the same gateway November 2.

140 - Labor Situation

With most of the projects in the park shut down, the park offered little employment. All Bureau of Public Roads crews with the exception of one had left the park by November 8, and the one remaining contractor on the Lamar Canyon-Cooke job closed down on the ninth. The Yellowstone Park Company and the other park operators had no projects under way which required the employment of any men. The National Park Service sent on a small crew and employed a small number of men in connection its PWA projects at Lake and Thumb.

121 - Special Field Representatives of the National Park Service

James H. Somerville, Assistant Landscape Architect from Omaha assigned to the Yellowstone throughout the summer departed via the north gate November 4 to return to Omaha.

Samford Hill, Assistant Landscape Architect, assigned to Yellowstone throughout the summer, departed via north gate November 6 to return to Omaha.

Adolph Marie, Wildlife Technician CCC, Omaha, in north gateway 12; out north gateway-fourth.

Charles Baldwin, Field Assistant CCC, Omaha, in north gateway-eight; out north gateway-ninth.

Frederick T. Tristler, Acting Inspector CCC, Omaha, in north gateway 28; out north gateway-ninth.

William E. Robertson, Regional Engineer, Omaha, was assigned via north gate October 31, departed via same gateway November 2.

122 - National Park Service Officers

Clark J. Wells, Associate Engineer, National Park Service, Washington, D.C., who arrived via north gate October 25 to assist on PWA work, remained in the park throughout the month.

Earl Brown and Rufus Glenn, Accountants, National Park Service, Washington, D.C., who arrived in the park on October 27 and went direct to Grand Teton National Park, returned via the west gate November 1. Out north fourteenth for Glacier.

123 - Other Governmental Officers

H. S. Hanson, Sanitary Inspector in Charge, U. S. Public Health Service, San Francisco, who arrived via the north gate on October 28, departed via the same gateway November 2.

124 - Labor Situation

With most of the projects in the park shut down, the park offered little employment. All Bureau of Public Roads crews with the exception of one had left the park by November 8, and the one remaining contractor on the Lamar Canyon-Booker job closed down on the ninth. The Yellowstone Park Company and the other park operators had no projects under way which required the employment of any men. The National Park Service on a small crew and employed a small number of men in connection with PWA projects at Lake and Thumb.

150 - Equipment and Supplies

There were seven carloads of coal, two carloads of gasoline and one carload each of fuel oil, pine lumber and cement received in addition to other shipments of asbestos, Hi-Test gasoline, lubricating oil, nails, fuel oil storage tanks, fire brick, steel boiler, wall-board, plumbing supplies, oak lumber, cook stove, heating stove and steel plates weighing 53,696 lbs.

The value of the storehouse issues during the month amounted to \$10,843.63. Annual property inventories were taken of the Gallatin ranger station, Game Ranch, Chief Ranger's office, ranger barracks, ranger storeroom and jail building. The Messes at West Thumb, Old Faithful and Canyon were closed during November, leaving two messes in operation.

160 - Status of Alienated Lands

There was no change in the status of alienated lands during the month.

170 - Plans, Maps and Surveys

Field work consisted of completion of surveys for Public Works projects at West Thumb and Lake-Fishing Bridge areas and construction engineering for these projects. The topographic survey of about 200 acres in the Bridge Bay area was also completed. Topographic data in the West Thumb and Lake-Fishing Bridge areas was plotted.

Engineering on CCC projects consisted of running alignments on the south end of the Mammoth Campground road and setting slope stakes.

180 - Circulars, Placards, Publicity Bulletins, Etc.

Circulars Nos. 21 to 24, inclusive, were issued during the month and copies are attached.

There was no issue of Nature Notes during the month, but the November-December issue was in the process of preparation and will be issued early in December.

A press memorandum regarding the closing of the roads and accommodations in the park was released on November 1, and a story of the tree-climbing grizzly on the ninth.

The dummy for the 1939 Motorist Guide was mailed to Washington on the nineteenth.

170 - Equipment and Supplies

There were seven carloads of coal, two carloads of gasoline and one carload each of fuel oil, pine lumber and cement received in addition to other shipments of supplies. 1-1/2 carloads, including oil, nails, fuel oil storage tanks, line pipe, steel boiler, wall-board, plumbing supplies, oak lumber, cook stove, heating stove and steel plates weighing 22,000 lbs.

The value of the storehouse issues during the month amounted to \$10,213.05. Annual property inventories were taken of the District ranger station, Game Ranch, Chief Ranger's office, ranger barracks, ranger storeroom and jail building. The houses at West Bend, Old Faithful and Canyon were closed during November, leaving two houses in operation.

180 - Status of Alienated Lands

There was no change in the status of alienated lands during the month.

170 - Plans, Maps and Surveys

Field work consisted of completion of surveys for public works projects at West Thumb and Lake-Fishing Bridge areas and construction engineering for these projects. The topographic survey of about 200 acres in the Bridge Bay area was also completed. Topographic data in the West Thumb and Lake-Fishing Bridge areas was plotted.

Engineering on 600 projects consisted of running alignments on the south end of the Mammoth Campground road and setting slope stakes.

180 - Circulars, Reports, Publications, Etc.

Circulars Nos. 51 to 54, inclusive, were issued during the month and copies are attached.

There was no issue of Ranger Notes during the month, but the November-December issue was in the process of preparation and will be issued early in December.

A press memorandum regarding the closing of the roads and accommodations in the park was released on November 1, and a story of the tree-climbing trials on the month.

The dummy for the 1929 Motorist Guide was mailed to Washington on the nineteenth.

200 - Maintenance, Improvements and New Construction

210 - Road Maintenance

The crew setting snow stakes and fences finished this work and the crew repairing the slides on the Mammoth-Gardiner road worked all month completing the job. The snow plow opened the road to West Thumb twice during the month to permit travel to the PWA projects at Lake and Thumb, and on the last of the month the plow opened the road from Mammoth to West Yellowstone to the Gallatin ranger station in order to move the ranger to Mammoth. Roads are now open from Mammoth to West Thumb and to West Yellowstone.

220 - Improvements

Shops - In addition to the usual maintenance of equipment carried on, there were six trucks overhauled and stored at Mammoth for the winter and four graders overhauled and stored at Norris. Considerable time was spent in keeping the Cooke, West Thumb and West Yellowstone roads free from snow.

Electrical Department - The usual maintenance and repairs were carried on during the month.

Telephone service was installed in the three new cottages just completed. The park lines were changed from metallic circuits to ground circuits on November 8 for the winter season.

A new 15-watt, 32-volt DC radiophone was recently received and installed in the Bechler River ranger station.

Carpenter Shop - In addition to minor repairs during the month, two new crates were made for shipping buffalo, a 50,000-gallon concrete water reservoir was built at West Thumb and the cutting out and framing of three fire lookout stations.

Paint Shop - Work in this department consisted of the supervision of painting done under the ERA, laying linoleum in one of the new cottages at the Mammoth campground, replacing glass in numerous storm sash and making and lettering of signs for the Game Ranch area.

Plumbing Department - In addition to the usual maintenance and operation during the month, 100 feet of 4-inch water pipe and 150 feet of 3/4-inch water pipe were installed at the new cottages in the Mammoth campground, installation of new radiators and hot water heaters in several of the government buildings, excavation for and installation of six new dry toilets at the Fountain Paint Pots, and making pipe connections to the new concrete reservoir at West Thumb.

230 - New Construction

Work on ERA projects progressed satisfactorily during the month.

200 - Wintering, Improvements and New Construction

210 - Road Maintenance

The crew setting snow stakes and fences finished the work and the crew repairing the slides on the Mammoth-Laramie road worked all month completing the job. The snow plow opened the road to West Thumb twice during the month to permit travel to the PMA projects at Lake and Thumb, and on the last of the month the plow opened the road from Mammoth to West Yellowstone to the Gallatin transfer station in order to move the ranger to Mammoth. Loads are now open from Mammoth to West Thumb and to West Yellowstone.

220 - Improvements

Shops - In addition to the usual maintenance of equipment carried on, there were six trucks overhauled and stored at Mammoth for the winter and four graders overhauled and stored at Norris. Considerable time was spent keeping the Cooke, West Thumb and West Yellowstone roads free from snow.

Electrical Department - The usual maintenance and repairs were carried on during the month.

Telephone service was installed in the three new cottages just completed. The park lines were changed from local to long distance on November 3 for the winter season.

A new 15-watt, 30-volt DC radio was recently received and installed in the Becker River ranger station.

Carpenter Shop - In addition to minor repairs during the month, two new crates were made for shipping supplies, a 50,000-gallon concrete water reservoir was built at West Thumb and the cutting out and framing of three fire lookout stations.

Paint Shop - Work in this department consisted of the repainting of painting done under the PMA, laying linoleum in one of the new cottages at the Mammoth campground, repainting glass in numerous signs and making and lettering of signs for the Game Warden area.

Plumbing Department - In addition to the usual maintenance and operation during the month, 100 feet of 1-inch water pipe and 150 feet of 3/4-inch water pipe were installed at the new cottages in the Mammoth campground, installation of new radiators and hot water heat in several of the government buildings, an overhaul for an installation of six new dry toilets at the Mountain Point Park, and water pipe connections to the new concrete reservoir at West Thumb.

230 - New Construction

Work on PMA projects progressed satisfactorily during the month.

These projects include: Cleaning and painting the chapel and museum buildings, repairs to barracks building; work on sign program, including cutting and hauling timber for signs and work in sign shop; excavation of basement under personnel quarters, hauling sand from Tower Falls and gravel from Gardiner for the various projects, and work on the Yellowstone River and the Gardiner River-Golden Gate trails.

Project O.P. 266 - Work was continued on the West Thumb-Lake-Fishing Bridge water systems which was started last month.

At Lake the work was largely confined to prospecting for water along the lake shore. Three holes varying from 60 to 100 feet in depth were drilled in addition to the original dug well. No appreciable amount of water was found in any of the holes.

At West Thumb the excavation for the new 50,000-gallon reservoir was completed and all the concrete poured. The concrete slab roof for the existing reservoir was also completed. Work on the well at Thumb was suspended for the winter early in the month.

Sand and gravel were hauled and piled for use next summer at both locations.

Project 584 - Work on the Lookout Point observation platform and Canyon trails was suspended for the winter on November 8. Practically all necessary construction material had been hauled to the site preparatory to starting work as soon as the weather opens up in the spring.

Contract Construction - The only road project active during the month was that on the East Entrance approach road on which satisfactory progress was made.

On November 7 the park received notices of bids to be opened by the Bureau of Public Roads in Denver on December 6 for constructing and improving Project 1-A-3, grading, bridge and bituminous surfacing of .926 miles of the Grand Loop; and to be opened on November 22 for constructing and improving Project 1-E-1, Pt. F-1, 5-D-1, D-2, Pt. C of Grand Loop and East Entrance. On November 21 notice was received of bids to be opened by the Bureau of Public Roads in Denver on December 2 for constructing and improving Project 4-A-2, bituminous surfacing of South Entrance highway, 10.214 miles.

Bids were received in Denver by the Bureau of Public Roads on November 22 for improving and constructing Project 1-E-1, Pt. F-1, 5-D-1, D-2, Pt. C. of Grand Loop and East Entrance bituminous surfacing. The Taggart Construction Company of Cody was the low bidder with a bid of \$306,647.45, and award was recommended.

These projects include: Clearing and retaining the channel and...
bridges, repairs to bridge abutments; work on sign project, including
the existing and new signs and work in sign shop; ex-
cavation of basements under personnel quarters, building and work on
Tells and gravel from the various projects, and work on
the Yellowstone River and the Gardner River-Bozeman State trails.

Project C.P. 200 - Work was continued on the West Thumb-Lake
Herring Ridge water systems which was started last month.

It takes the work was largely confined to protecting the water in
long the lake shore. Three holes varying from 60 to 100 feet in depth
were drilled in addition to the original 10 wells. No considerable
amount of water was found in any of the holes.

At West Thumb the excavation for the new \$5,000-gallon reservoir
was completed and all the concrete poured. The concrete and roof for
the existing reservoir was also completed. Work on the well at Thumb
was suspended for the winter early in the month.

Sand and gravel were drilled and piled in the next corner at both
locations.

Project 284 - Work on the Lakota Point observation platform and
Geyser Wells was suspended for the winter on November 8. Practically
all necessary construction material had been hauled to the site pro-
paratory to starting work as soon as the weather opens up in the spring.

Contract Construction - The only road project active during the
month was that on the East Entrance approach road on which satisfactory
progress was made.

On November 7 the park received notices of bids to be opened by
the Bureau of Public Roads in Denver on December 6 for construction and
improving Project 1-A-5, grading, bridge and driveway at the site of
2.000 miles of the Grand Loop and to be opened on November 21 for con-
struction and improving Project 1-A-1, Pt. 1-A-1, 1-A-2, Pt. 1-A-2
Grand Loop and East Entrance. On November 21 notice was received of
bids to be opened by the Bureau of Public Roads in Denver on November 2
for constructing and improving Project 1-A-2, bituminous surfacing of
South Entrance Highway, 10.511 miles.

Bids were received in Denver by the Bureau of Public Roads on No-
vember 22 for improving and constructing Project 1-A-1, Pt. 1-A-1, 1-A-2, Pt. 1-A-2
Grand Loop and East Entrance bituminous surfacing. The
Tarrant Construction Company of Cody was the low bidder with a bid of
\$306,217.15, and award was recommended.

300 - Activities of Other Agencies in the Park

310 - Public Service Contractors

All operations in the park of the various operators had closed down before the first of the month with the exception of the general store at Mammoth, which remains open throughout the winter to accommodate local residents.

William M. Nichols, President of the Yellowstone Park Company, stopped off in the park on November 6 on his return from Washington to Helena for a conference with the park superintendent. He arrived and departed via the north gate on the same day.

J. E. Haynes, President of Haynes, Inc., the last of the park operators to remain in the park, departed via the north gate on November 13 for St. Paul.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

Ranger activities during this period have included intensive boundary patrols in those sections where hunting has been carried on adjacent to the park, supplying patrol cabins for winter use, checking travel at the entrances, patrolling roads, supervision of trail maintenance work and the preparation of range studies, forestry, wildlife and other reports.

420 - Museum Service

The duties in the Naturalist Department consisted of a number of field trips, research, the editing of the November-December Nature Notes in preparation for publishing early in December, museum labels carried on by CCC enrollees, and library work carried on by ERA and the Yellowstone Library funds.

470 - Animals

Buffalo - Between 200 and 300 buffalo grazed in the Lamar Valley at Horseshoe and on the Hellroaring slopes during the month and a few of these animals were also seen in Hayden Valley near Canyon and near Turbid Lake.

Elk - By the end of November snow covered most of the northern winter range but the depth and texture of the snow was not great enough to limit foraging of game animals to any great extent. Sub-zero temperatures and snow depths in the interior of the park caused the greater portion of the elk herd to migrate to lower altitudes and by the end of the month large numbers were seen in the Lamar Valley and approximately

500 - Activities of Other Agencies in the Park

710 - Public Service Contractors

All operations in the park on the various of operators are closed down before the first of the month with the exception of one operator whose work remains open throughout the winter to service date local residents.

William A. Nichols, President of the Yellowstone Park Company, stopped off in the park on November 6 on his return from Washington to confer with the park superintendent. He arrived and departed via the north gate on the same day.

J. E. Hughes, President of Laysan, Inc., the last of the park operators to remain in the park, departed via the north gate on November 12 for St. Paul.

800 - Flora and Fauna and Natural Resources

810 - Ranger, Naturalist and Guide Service

Ranger activities during this period have included intensive boundary patrols in those sections where hunting has been carried on adjacent to the park, applying patrol routes for winter use, creating travel at the entrance, patrolling roads, supervision of trail maintenance work and the preparation of maps, studies, forestry, wildlife and other reports.

820 - Museum Services

The duties in the Naturalist Department consisted of a number of field trips, research, the editing of the November-December Naturalist Notes in preparation for publishing early in December, museum exhibits carried on by 500 employees, and library work carried on by 100 and the following library funds.

830 - Animals

Bullfrogs - Between 200 and 300 bullfrogs were in the lower valley at Horseshoe and on the Hellroaring slopes during the month and a few of these animals were also seen in Hayden Valley near Canyon and near Turbid Lake.

Elk - By the end of November snow covered most of the northern winter range but the depth and texture of the snow was not great enough to limit foraging of some animals to any great extent. Elk-rangewomen and snow depths in the portion of the park caused the greatest portion of the elk herd to migrate to lower altitudes and by the end of the month large numbers were seen in the Lamar Valley and approximately



On July 18, 1938, a large black bear at the Buffalo Ranch feeding in a milk can became securely trapped in the container.



It was necessary to use ropes and two motor trucks to extricate the bear from the can. After considerable tension had been applied to the ropes the can popped off the bear's head like a cork out of a champagne bottle and the animal took to the hills apparently none the worse for his experience.



1,000 were counted on the Hellroaring slopes. No heavy migration to open hunting territory occurred in November.

The hunting season in Wyoming closed November 15 and the deer season in Montana was also closed on this date. The elk season in Gallatin County, Montana closed November 19, with a total kill of 545 in the Gallatin area and 95 from the West Yellowstone section. The Idaho elk season opened November 15 and a number of these animals were being taken from areas near the park boundary adjacent to the Bechler River district.

Comparative hunting kills on areas adjacent to the park through November 26 were as follows:

	<u>Bear</u>	<u>Bighorn</u>	<u>Deer</u>	<u>Elk</u>	<u>Moose</u>
1938-39	28	25	333	1114	22
1937-38	44	6	156	422	12

480 - Phenomena

Mammoth Hot Springs Area

Palette Terrace - The run-off is still concentrated to the west of the Devil's Thumb with further shifting to the west. The entire formation is covered with a thin film of water and colored beautifully by algae. There is no apparent change in the quantity of water noted last month. Nineteen iron pegs have been placed in desirable positions over this formation to measure the deposition of travertine and the run-off of water.

Minerva Terrace - This spring is still overflowing in two places separated by a strip of ice forty feet wide. The total run-off appears to be approximately the same as that of last month. All of the water continues to flow from the same vent. There is further extension of the water to the old stalactitic formations and it is believed that this terrace will continue to rejuvenate.

Cleopatra Spring - There has been a noticeable decrease in the area of this formation covered by water. At the present time the total width of the terrace covered by water does not exceed forty feet. This is due to the fact that an entirely new vent twenty-nine feet northwest of the old one has broken out, and most of the water is issuing from it, pouring over the face of the old terrace in a rather narrow channel. That part of the spring which was most beautiful last month is now covered by snow and ice. The small new vent one hundred feet back of the main vent noted last month is now dry.

New Spring - This spring situated below Summit Basin has become much constricted. All of the water is flowing due west, freezing into a sheet of ice one hundred feet below the vent. Northwest of this spring on the edge of Main Terrace, the two springs noted last month are now dry.

1,000 were counted on the Bitterling slope. The heavy migration to open hunting territory occurred in November.

The hunting season in Wyoming closed November 12 and the deer season in Montana was also closed on this date. The elk season in Gallatin County, Montana closed November 12 with a total kill of 212 in the Gallatin area and 92 from the West Yellowstone section. The Idaho elk season opened November 12 and a number of these animals were being taken from areas near the park boundary adjacent to the Teton River district.

Comparative hunting kills on areas adjacent to the park through November 26 were as follows:

Year	Deer	Bighorn	Deer	Elk	Moose
1932-33	23	27	333	1114	22
1931-32	141	8	156	1322	12

1880 - Phenomena

Maroon Hot Springs Area

Palatka Terrace - The run-off is still concentrated to the west of the Devil's Thumb with further addition to the west. The entire formation is covered with a thin film of water and colored beautifully by algae. There is no apparent change in the quantity of water noted last month. Nineteen iron pipes have been placed in desirable positions over this formation to measure the deposition of travertine and the run-off of water.

Minerva Terrace - This spring is still overflowing in two places separated by a strip of ice forty feet wide. The total run-off appears to be approximately the same as that of last month. All of the water continues to flow from the same vent. There is further extension of the water to the old stratified formations and it is believed that this terrace will continue to rejuvenate.

Cleopatra Spring - There has been a noticeable decrease in the area of this formation covered by water. At the present time the total width of the terrace covered by water does not exceed forty feet. This is due to the fact that an entirely new vent twenty-nine feet northwest of the old one has broken out, and most of the water is issuing from it, pouring over the face of the old terrace in a rather narrow channel. That part of the spring which was most beautiful last month is now covered by snow and ice. The small new vent one hundred feet back of the main vent noted last month is now dry.

New Spring - This spring situated below Minerva has become much concentrated. All of the water is flowing due west, freezing into a sheet of ice one hundred feet below the vent. Northwest of this spring on the edge of the terrace, the two springs noted last month are now dry.

Mound Spring - This spring seems to be the most stable one, and no change is noted from last month.

Main Spring - This spring also remains unchanged.

Blue Spring - The run-off which started to fill basins to the north at the time the last observations were taken has completely filled these basins, which were dry all summer, and the flow continues strong. In many places on the formation covered by Blue Spring a deposit one and one-half inches thick has been measured on sticks which were placed in various positions along channels and terraces November 18. A stronger flow of water is noted here than from any other spring.

Cupid Spring - The amount of the formation covered and the quantity of water are approximately the same as last month.

Baby Spring - This spring appears to be the same as when last observed.

Orange Spring Mound - The small quantity of water noted last month is definitely smaller this month, and the activity is scarcely noticeable except in a small section of the west side.

Gas Vents - Four to five winter birds were observed in the dry part of the craters of Painted Pool. No other casualties were noted in other gas vents.

Poison Cave - The gas is so heavy in this cave that it is impossible for one to breathe or keep the eyes open for an instant, and the choking sulphurous fumes of sulphur dioxide and carbon dioxide are present in larger quantities in this cave than is known at any other point in Yellowstone.

Angel Terrace - The main vent on this terrace went completely dry during the month. However, a new vent thirty feet to the south is substituting very nicely, and an even greater portion of the formation is covered and beautifully colored by algae. Two other vents south and west are active on the old formation.

Opal Spring - The flow of this spring is approximately the same as last month, and the trench into which the water was disappearing November 1 is now filled.

Naiad Spring - Along with Mound, this spring remains one of the most constant and unchangeable.

490 - Miscellaneous

Elk Reduction - The portable elk trap was moved from the Slough Creek mail box to a new location below the Mammoth housekeeping cabins this month. The Gardiner and Game Ranch traps were also being repaired

Round Spring - This spring seems to be the most stable one, and no change is noted from last month.

Main Spring - This spring also remains unchanged.

Five Spring - The run-off water started to fill basins to the north at the time the last observations were taken and completely filled these basins, which were dry all summer, and the flow continues strong. In many places on the formation covered by Five Spring a deposit one and one-half inches thick has been measured on slides which were made in various positions along channels and around lower 10. A stronger flow of water is noted here than from any other spring.

Good Spring - The amount of the formation covered and the quantity of water are approximately the same as last month.

Baby Spring - This spring appears to be the same as when last observed.

Orange Spring - The small quantity of water noted last month is definitely smaller this month, and the activity is scarcely noticeable except in a small section of the west side.

Gas Vents - Four or five winter vents were observed in the dry part of the crater of Round Spring. No other gas vents were noted in other gas vents.

Loison Cave - The gas is so heavy in this cave that it is impossible for one to breathe or keep the eyes open for an instant, and the choking sulphurous fumes of sulphur dioxide and carbon dioxide are present in larger quantities in this cave than in most of any other point in Yellowstone.

Alibi Terrace - The rain vent on this terrace was completely dry during the month. However, a new vent thirty feet to the south is exhibiting very nicely, and an even greater portion of the formation is covered and beautifully colored by alga. The other vents south and west are active on the old formation.

Good Spring - The flow of this spring is approximately the same as last month, and the trench into which the water was discharged in November 1 is now filled.

Main Spring - Look with care, this spring remains one of the most constant and unchangeable.

1900 - Miscellaneous

Mix Reduction - The portable elk trap was moved from the Green Hill box to a new location below the Mammoth Hot Springs camp this month. The engine and Game Ranch traps were also being repaired.

and will be ready for operation in December. Orders have been received for shipment of 76 live elk and there is a possibility that several additional requests will be received in the near future.

Ranch Operations - The horse herd was taken to the Buffalo Ranch on November 15, where 61 head of horses were pastured for the remainder of the month. No hay was fed during this period as the horses were able to forage for themselves in the ranch fields.

500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

A considerable decrease in park travel for November was probably due to the long period of very stormy and disagreeable weather. Travel included 33 first entry cars, 38 re-entry cars and 191 people. Five hundred sixty-one people entered the park during the same month last year. Although a considerable decrease in travel occurred this month, travel for the year still shows an increase of 50 per cent. More complete travel figures are given at the back of this report.

530 - Special Visitors

There were no special visitors in the park during the month.

600 - Protection

610 - Police Protection

Seven arrests were made during the month for hunting and for carrying unsealed firearms within the park. Louis Seifert of Bozeman, Montana was fined \$25.00 on November 15 upon being convicted of killing two elk in the Gallatin area. August Hein and Walter Hein, brothers, of Forsyth, Montana were fined \$50.00 each and their rifles confiscated on November 21 when they were convicted of killing three elk in the Reese Creek area. William Schulenberg and Vernon Drung, both of Forsyth, Montana, were fined \$5.00 each and their rifles confiscated on November 21 upon being convicted of carrying unsealed firearms in the Reese Creek area. Norman Riethmuller and Frank E. Waddell, both of Billings, Montana, were fined \$12.50 each and their rifles confiscated on November 28, upon being convicted of hunting in the Game Ranch area. The above violations resulted in 5 elk being killed within the park and the fines totalled \$160.00. Six rifles were confiscated.

620 - Fire Protection

No forest fires occurred within the park boundaries during November.

630 - Accidents

No automobile accidents were reported during the month. For the same period last year four automobile accidents were reported.

and will be ready for operation in October. (Great Lakes) and provided for shipment of 70 live elk and there is a possibility that additional requests will be received in the near future.

Elk Operations - The horse herd was taken to the Buffalo Ranch on November 15, where 41 head of horses were provided for the remainder of the month. No hay was fed during this period as the horses were able to forage for themselves in the range fields.

500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

A considerable decrease in park travel for November was probably due to the long period of very stormy and disagreeable weather. Travel included 25 first entry cars, 20 re-entry cars and 101 people. One hundred sixty-one people entered the park during the same month last year. Although a considerable decrease in travel occurred this month, travel for the year still shows an increase of 50 per cent. Some complete travel figures are given at the end of this report.

520 - Special Visitors

There were no special visitors in the park during the month.

600 - Protection

610 - Police Protection

Seven arrests were made during the month for hunting and for carrying unsealed firearms within the park. Louis (Lefort) of Oregon, who was fined \$25.00 on November 15 for being convicted of killing two elk in the Delta area. August Stein and Walter Stein, brothers of Forsyth, Montana were fined \$50.00 each and their rifles confiscated on November 21 when they were convicted of killing three elk in the Keene Creek area. William Schulerberg and Vernon Brown, both of Forsyth, Montana, were fined \$50.00 each and their rifles confiscated on November 21 upon being convicted of carrying unsealed firearms in the Keene Creek area. Norman Kitchmiller and Frank E. Leibel, both of Billings, Montana, were fined \$25.00 each and their rifles confiscated on November 28, upon being convicted of hunting in the same area. The above violations resulted in 5 elk being killed within the park and six fines totaling \$150.00. The rifles were confiscated.

620 - Fire Protection

No forest fires occurred within the park boundaries during November.

630 - Accidents

No automobile accidents were reported during the month. For the same period last year four automobile accidents were reported.

900 - Miscellaneous

Post Office - Receipts for the Post Office for the month of November are approximately the same as for the corresponding month of last year. The last of the seasonal temporary clerks was separated from the payroll on November 30.

Church Services - Protestant services were held in the chapel at Mammoth on November 27 by Rev. Lewis D. Smith of Livingston, and Lutheran services were held by Rev. Webster H. Clement on October 28. The interior of the Mammoth chapel was repainted and cleaned as an ERA project.

Hospital and Medical - There were 120 office and 40 home calls reported for the month of November.

C.C.C. - Two of the four CCC camps we had during the past season were retained for the winter being located near the park headquarters.

Fine progress was made on all jobs. Job 442, Three Gauging Stations which were constructed at various points on the Gardiner River to obtain certain data in connection with this stream, was shown completed this month.

The Preparation of Material Job was worked by our two winter camps throughout the park until November 15. This consisted of sawing wood for ranger stations and government mess houses at Canyon, West Thumb, Norris Junction, Tower Falls, Buffalo Ranch and Mammoth.

One hundred cords of wood were hauled to Mammoth from Old Faithful during the first two weeks of the month. Due to weather conditions this work was discontinued, although there still remains much wood to be hauled.

A large crew of boys were kept working in the new Mammoth auto camp and it is hoped that another section of this job will be completed by spring.

The Tower Falls side camp from NP-7 has been getting out wood and constructing a fire tool cache building which is nearly 50 per cent complete. It is anticipated to move this camp to the Buffalo Ranch in December for working on the water system there.

Another of the employee cottages near the power house was completed in November and is ready for occupancy.

Work was commenced on the 16-stall storage garage at Mammoth and good progress is being made.

The supervisory and facilitating personnel for our two camps are in keeping with the approved quota; or 9 employees for each camp.

Post Office - leases for the Post Office for the month of November are approximately the same as for the corresponding month of last year. The last of the seasonal temporary clerks was reported from the payroll on November 30.

Church Services - Protestant services were held in the chapel at 11:00 a.m. on November 27 by Rev. Lewis G. Smith of Livingston, and Lutheran services were held by Rev. Robert H. Elliott on October 28. The interior of the chapel was repaired and cleaned as an ERA project.

Hospital and Medical - There were 120 office and 10 home calls reported for the month of November.

C.C.C. - Two of the four 500 units we had during the past season were retained for the winter being located near the headquarters.

The progress was made on all jobs. Job #2, Three Building Station which were constructed at various points on the Garrison River to obtain certain data in connection with this stream, was shown completed this month.

The preparation of material job was worked by our two winter camps throughout the park until November 15. This consisted of sawing wood for ranger stations and government mess houses at Canyon, East Flamingo, Morris Junction, Lower Falls, Buffalo Ranch and Mammoth.

One hundred cords of wood were hauled to Mammoth from Old Falls during the first two weeks of the month. Due to weather conditions this work was discontinued, although there still remains much wood to be hauled.

A large crew of boys were kept working in the new Mammoth camp and it is hoped that another section of this job will be completed by spring.

The Lower Falls side camp from 11-7 has been getting out wood and constructing a fire fuel cache building which is nearly 50 per cent complete. It is anticipated to move this camp to the Buffalo Ranch in December for working on the water system there.

Another of the employee cottages near the power house was completed in November and is ready for occupancy.

Work was commenced on the 16-stall storage garage at Mammoth and good progress is being made.

The supervisory and facilitating personnel for our two camps are in keeping with the approved program; or Q employees for each camp.

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The regular monthly meeting of the Federal Employees' Union was held in the canteen on November 7. Following the regular meeting, a number of kodachrome slides were shown by Superintendent Rogers as a part of the entertainment feature.

On the evening of November 22 the members of the Mammoth community were entertained with an amateur night program featuring several specialties, a play and a dance, all talent being furnished by members of the community. The event proved most successful.

J. W. Emmert,
Acting Superintendent.

VG

The regular monthly meeting of the Federal Employees Union was held in the cafeteria on November 7. Following the regular meeting, a number of Kodachrome slides were shown by Government representatives as a part of the entertainment feature.

On the evening of November 22 the members of the Federal community were entertained with an amateur night program featuring a variety of specialties, a play and a dance, all talents being furnished by members of the community. The event proved most successful.

J. W. Lambert,
Acting Superintendent.

WV

10-157
 July, 1929)

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

TRAVEL REPORT

Yellowstone

November 1938

National Park for the Month of

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
<u>PRIVATE TRANSPORTATION:</u>						
cars first entry,	33	1780	116	975	805	82.5
cars reentry,	38	905	75	795	110	13.8
motorcycles,						
Total motor vehicles,	71	2685	191	1770	915	51.7
persons entering via motor vehicles,	191	7603	561	5066	2537	50.0
persons entering via other private transportation,						
Total persons entering via private transportation,	191	7603	561	5066	2537	50.0
<u>OTHER TRANSPORTATION:</u>						
persons entering via stages,						
persons entering via trains,						
persons entering otherwise,						
Total other transportation,						
GRAND TOTAL ALL VISITORS,	191	7603	561	5066	2537	50.0

	This Year	Last Year	Increase	
			Number	Percent
automobiles in public camps during month,				
campers in public camps during month,				

NATIONAL PARK SERVICE

TRAVEL REPORT

National Park for the Month of

Increase for Travel Year	Last Travel Year	This Month Last Year	This Travel Year	This Month	To Date	
					Year	Year

PRIVATE TRANSPORTATION:						
Persons entering via other private transportation						
Persons entering via motor vehicles						
Total motor vehicles						
Persons entering via other private transportation						
Persons entering via motor vehicles						
Total persons entering via private transportation						

OTHER TRANSPORTATION:						
Persons entering via stages						
Persons entering via trains						
Persons entering otherwise						
Total other transportation						
GRAND TOTAL ALL VISITORS						

Increase	Last Year	This Year	Number		Percent	
			Number	Percent	Number	Percent

Automobiles in public camps during month
Camps in public camps during month

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Yellowstone National Park for the Month of November, 1938

	This Year	Last Year
Park revenue on hand beginning of month,	-	-
Received,	\$ 89.69	\$657.16
Total,	89.69	657.16
Remitted,	89.69	657.16
On hand close of month,	-	-
Park revenues received this year to date,	\$292,298.72	
Park revenues received last year to date,		342,221.61
Increase Decrease,		49,922.89
Per cent of increase decrease,		14.6

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Yellowstone National Park for the Month of December, 1927

Last Year	This Year	
-	-	Park revenue on hand beginning of month
67.16	82.69	Received
67.16	82.69	Total
67.16	82.69	Remitted
-	-	On hand close of month
20,228.75	20,228.75	Park revenues received this year to date
20,228.75	20,228.75	Park revenues received last year to date
10,228.89	10,228.89	Increase
11.4	11.4	Per cent of increase

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Yellowstone National Park for the Month of November, 1938

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
Number of employees beginning of month	Reg. 91 CCC 19	Reg. 74 PW 28	Reg. 90 CCC 18	6
Number of additions	Reg. 1 CCC 0	Reg. 2 PW 8	Reg. 0 CCC 1	1
Total	111	112	109	7
Number of separations	Reg. 2 CCC 1	Reg. 30 PW 36	Reg. 1	4
Number of employees close of month	Reg. 90 CCC 18	Reg. 46 PW 0	Reg. 89 CCC 19	3
Number of promotions during month	Reg. 2		0	
Aggregate amount of annual leave taken	Reg. 185-29/32 CCC 53	424-2/8	Reg. 274-2/8 CCC 18-3/8	
Aggregate amount of sick leave taken	Reg. * 52-15/16 CCC 10	0	Reg. 59-4/8 CCC 31-4/8	
Aggregate amount of leave without pay	Reg. 30		Reg. 15	

*Includes 30 days' sick leave taken in October.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Yellowstone National Park for the Month of _____, 1931

This Month Last Year	This Month		This Month		Total	Number of employees beginning or ending month	Number of additions	Number of separations	Number of employees close of month	Number of promotions during month	Aggregate amount of annual leave taken	Aggregate amount of sick leave taken	Aggregate amount of leave without pay
	Appointed	Non-Appointed	Appointed	Non-Appointed									
6	11	10	11	10	11								
1	2	2	2	2	2								
7	120	119	119	119	119								
4	3	3	3	3	3								
2	10	10	10	10	10								

Employees 90 days sick leave taken to October.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

Yellowstone

National Park for the Month of **November, 1938**

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
Current generated,	114,300	556,500	92,800	480,200	76,300	15.8
Sold to park operators,	948	59,461	4,118	58,528	933	1.6
Sold to others,						
Sold Furnished to other Governmental agencies,	914	4,512			4,512	-
Used by National Park Service, lost in transit, etc.,	112,438	492,527	88,682	421,672	70,855	16.8
Total current generated,	<u>114,300</u>	<u>556,500</u>	<u>92,800</u>	<u>480,200</u>	<u>76,300</u>	<u>15.8</u>

(1938) \$ 57.73
Amount receivable from the sale of electricity, in Mammoth, (1937). \$117.91

Indicated by K. W. H.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

ELECTRICITY GENERATED, SOLD, USED, ETC.

Yosemite National Park for the Month of _____

Increase or Travel Year	Last Travel Year	This Month Last Year	This Year To Date	This Month To Date	This Year To Date	This Month To Date	Number	Percentage	Total amount generated	Lost in transit, etc.	Used by National Park Service	Furnished to other governmental agencies	Furnished to others	Furnished to park operators	Amount generated
111,300	256,500	25,000	140,000	140,000	140,000	140,000	140,000	140,000	111,300	111,300	111,300	111,300	111,300	111,300	111,300
112,133	257,000	25,000	140,000	140,000	140,000	140,000	140,000	140,000	112,133	112,133	112,133	112,133	112,133	112,133	112,133
111,300	256,500	25,000	140,000	140,000	140,000	140,000	140,000	140,000	111,300	111,300	111,300	111,300	111,300	111,300	111,300

(1978) 1-27-73
\$111,300

Amount receivable from the sale of electricity, etc.

Indicated by K. W. H.

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

Yellowstone

National Park for the Month of

November, 1938

	This Month	This Month Last Year	Increase Decrease	Percent De- crease Increase
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LOCAL BUSINESS

	Mammoth excluded			
Miles of circuit maintained,	462	604	142	23.5
No. of telephones connected,	270	275	5	1.8
No. of measured service calls,				
No. of other local calls,				
Total No. of local calls,				
Peak load in calls per day,				

Receipts from measured service calls, . . .	
" " coin boxes,	
" " telephone rental,	
TOTAL RECEIPTS	

LONG DISTANCE BUSINESS

No. Outbound calls,	
No. Inbound calls,	
TOTAL LONG DISTANCE CALLS	

Peak load in calls per day,

Receipts from Long Distance business, . . .

TELEGRAPH BUSINESS

Messages via Western Union,	
Messages via	
TOTAL MESSAGES	

Receipts from telegraph business,

No. of money transfer messages,

" " " " receipts,

TOTAL RECEIPTS TELEPHONE & TELEGRAPH DEPTS-

NATIONAL PARK SERVICE

STATEMENT OF TELEPHONE AND TELEGRAPH BUSINESS

For the month of _____, 19____, National Park for the month of _____, 19____.

Telephone Business	Telegraph Business	This		Last Year	
		Month	Year	Month	Year

LOCAL BUSINESS

Telephone	Telegraph	Total
100	50	150
200	100	300
300	150	450
400	200	600
500	250	750
600	300	900
700	350	1050
800	400	1200
900	450	1350
1000	500	1500

Includes long distance calls.

Includes telegrams.

TOTAL RESULTS

LONG DISTANCE BUSINESS

Telephone	Telegraph	Total
100	50	150
200	100	300
300	150	450
400	200	600
500	250	750
600	300	900
700	350	1050
800	400	1200
900	450	1350
1000	500	1500

TOTAL LONG DISTANCE CALLS

Includes long distance telegrams.

STATEMENT SUMMARY

Telephone	Telegraph	Total
100	50	150
200	100	300
300	150	450
400	200	600
500	250	750
600	300	900
700	350	1050
800	400	1200
900	450	1350
1000	500	1500

TOTAL RESULTS

Includes long distance telegrams.

DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Yellowstone National Park

Monthly Report of
Minor Roads and Trails Projects

(Area)

As of **November 30, 1938**
(Date)

Total Mileage for Area:
Minor Roads _____ Miles
Trails _____ Miles

Proj. No.	Description of Project	Type of Work	Mile-	% Com-	Appropriation Symbol	Amount	Amount	Remarks
			age of Proj.	plete		Allotted	Expended	
584	Trail Construction, Canyon	Trail & Platforms	3	2		\$7,000	\$1,251.08	Closed down for winter



United States
Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming

November 4, 1938

CIRCULAR NO. 21:

Effective immediately the old Soda Butte ranger district will henceforth be designated the Lamar district and the ranger station being completed at the Buffalo Ranch, which will be district headquarters, will be known as the Lamar ranger station.

The name Soda Butte will henceforth apply only to the butte itself located on the bank of Soda Butte Creek.

Edmund B. Rogers
Superintendent



United States
Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming

November 4, 1938

CIRCULAR NO. 22:

Effective on November 3, 1938, David deLancey Condon will be assigned as district ranger in charge of the Lake district with headquarters at Mammoth during the winter months.

Effective on November 3, 1938, Earl M. Semingsen will be assigned as acting district ranger of the Lamar district with headquarters at Lake until such time as the Lamar ranger station is ready for occupancy.

Edmund B. Rogers
Superintendent



United States
Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming

November 7, 1938

CIRCULAR NO. 23:

Effective November 5, 1938, Park Ranger Frank F. Kowski was transferred from the Lake district to the Bechler River district, with quarters at Bechler River ranger station.

Edmund B. Rogers
Superintendent

United States
Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming

November 30, 1938

CIRCULAR NO. 24:

Effective December 1, 1938, Ranger W. Verde Watson will be transferred from Gallatin ranger station to the Mammoth district with quarters in the apartment formerly occupied by Sanford Hill.

Joseph Joffe
Acting Superintendent



Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming

PRESS MEMORANDUM
Release on Receipt

1938 - 104

Yellowstone Park, Wyoming, November 1: Travel to Yellowstone National Park should be discouraged for the remainder of the winter, except for those who desire to come to the north entrance and view the wildlife show along the north line between Gardiner and Cooke, Superintendent Edmund B. Rogers announced today.

The storm of the past few days, which brought rain to the low country and snow to the higher elevations, has been responsible for making some of the main highways impassable. The Dunraven Pass road from Canyon to Tower Falls has been definitely closed for the past two weeks, since the last storm, while the Continental Divide road between Old Faithful and West Thumb is now blocked by snow. Travel is difficult and dangerous over the east entrance road and all cars coming to the park should be provided with chains. The Red Lodge-Cooke road to the northeast entrance has been impassable for several weeks and while the other entrance roads are still passable any day may see them blocked by snow.

With the closing yesterday of the general store at Old Faithful, which provided meals and lodgings for late visitors, there are no longer any accommodations available in the park. The general store and gasoline filling station at Mammoth remain open throughout the winter to take care of local residents and those visitors coming to the park to see the wildlife show along the north line but no meals or lodgings are available.

With the closing of fishing in Lewis, Heart and Shoshone Lakes and the Yellowstone River between the mouth of the Lamar and Gardiner October 31 all park waters are now closed and fishing has been discontinued until early spring.

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Superintendent's Office - JJ



Department of the Interior
National Park Service
Yellowstone National Park
Yellowstone Park, Wyoming

Office of the Superintendent

November 8, 1938

MEMORANDUM FOR ALL MAMMOTH RESIDENTS:

With the winter season comes longer nights and more time to enjoy your radio if you are able to hear the program above the noise made by vacuum cleaners, food mixers, electric razors, lamps burning out, bad appliance cords and numerous other interfering appliances.

Last fall the electrical department made a house-to-house inspection, repairing all defective switches, wiring and electric equipment owned by the government. All employees were requested to have their radio interfering appliances repaired and filtered. Approximately ninety-five per cent of the people cooperated fully with the men doing this filtering work but the remaining five per cent did not seem to care whether or not their appliances disturbed their neighbors, although they were among the first to complain if a program they wanted to hear was noisy due to a neighbor's vacuum cleaner, sewing machine or some other appliance.

All electric razor users are requested to secure a plug-in-filter from the commissary as soon as possible (cost 75¢) and plug it in their convenience outlet ahead of the electric razor. These filters will not remove all the interference but will reduce it from 65% to 25%, which in most cases, will allow you, as well as your neighbor, to operate the radio satisfactorily.

We plan to have another house-to-house inspection in the near future and we would appreciate one hundred per cent cooperation from everyone.

The cost for installing filters on appliances will be approximately \$1.00 for each appliance. This includes filter and all labor.

LET'S ALL COOPERATE TO REDUCE RADIO INTERFERENCE TO THE MINIMUM!

Edmund B. Rogers
Superintendent



MONTHLY METEOROLOGICAL SUMMARY

STATION **YELLOWSTONE PARK, Wyo.** MONTH **NOVEMBER, 1938.**

TEMPERATURE, °F.				RELATIVE HUMIDITY (Percentage)			PRECIPITATION		WIND			WEATHER		Date	River stage (feet)
Maximum	Minimum	Mean	Normal mean	A. M.*	Local noon	P. M.*	Total (inches)	Snowfall (inches), P. m. to P. m. (unmelted)	Prevailing direction	Highest velocity	Direction	Percentage of possible sunshine	Character of day ⁽⁺⁾		
40	32	36	34	86	79	66	.05	T	S	13	S	11	Cloudy	1	
33	27	30	34	75	71	70	T	T	NW	15	N	0	Cloudy	2	
35	25	30	34	72	76	83	.01	0.2	S	25	SW	0	Cloudy	3	
37	14	26	33	83	51	86	.22	2.0	N	24	NW	21	Cloudy	4	
27	7	17	33	86	77	77	.02	0.6	W	13	N	47	Pt. Clidy	5	
25	2	14	33	80	61	69	0	0	W	12	S	25	Pt. Clidy	6	
31	11	21	32	85	60	73	T	T	S	18	SW	19	Cloudy	7	
34	25	30	32	70	57	50	.01	T	S	21	SW	10	Cloudy	8	
36	27	32	32	96	70	73	.03	0.7	S	15	SW	12	Cloudy	9	
28	13	20	31	90	47	60	.12	1.7	SW	22	SW	17	Cloudy	10	
20	8	14	31	83	79	67	T	0.1	SW	21	NW	0	Cloudy	11	
17	3	10	30	62	66	82	T	T	S	20	SW	9	Cloudy	12	
26	17	22	30	67	60	68	T	T	SW	24	SW	41	Cloudy	13	
30	23	26	30	89	72	81	T	T	S	19	SW	38	Pt. Clidy	14	
32	26	29	29	64	66	75	T	T	SW	26	SW	6	Cloudy	15	
37	28	32	29	89	80	87	.06	1.1	SW	26	SW	0	Cloudy	16	
34	16	25	29	75	54	56	T	0.2	N	15	NW	62	Pt. Clidy	17	
31	20	26	28	79	73	72	T	T	SW	21	SW	0	Cloudy	18	
36	27	32	28	87	59	80	0	0	SW	20	SW	66	Pt. Clidy	19	
36	10	23	28	74	84	80	.08	0.8	N	26	NW	15	Cloudy	20	
23	2	12	27	83	60	75	0	0.4	W	7	S	61	Clear	21	
14	3	6	27	81	85	66	T	T	NW	16	NW	2	Cloudy	22	
16	-10	3	27	67	53	44	T	0.1	S	14	N	73	Clear	23	
19	9	14	26	73	76	84	.03	0.4	S	13	SW	0	Cloudy	24	
26	7	16	26	87	53	56	T	0.2	W	12	S	72	Clear	25	
29	6	18	26	62	60	67	0	0	S	12	S	59	Pt. Clidy	26	
34	6	20	25	78	55	67	0	0	S	12	S	100	Clear	27	
41	11	26	25	73	43	44	0	0	S	12	S	100	Clear	28	
38	18	28	24	55	47	43	0	0	S	14	S	27	Cloudy	29	
36	21	28	24	65	65	60	T	0	SW	25	SW	0	Cloudy	30	
30.0	14.3	22.2	30.2	76	65	69	0.63	8.5	S	26	NW	29			
38.4	19.9	29.2	30.2	74	62	65	0.74	10.4	S			39			

5:10 a. m. and p. m. 105th meridian time. T indicates a trace of precipitation. *Sunrise to sunset. ²Total. ³Monthly.

SUMMARY

BAROMETRIC PRESSURE

WIND

Daily mean 30.26
Highest 31.07, date 23
Lowest 29.50, date 1

Prevailing direction S, average hourly velocity 9.0
Highest wind velocity this month since 1904
35 miles from SW, on 8, in 1931

TEMPERATURE

WEATHER

Highest 41, date 28
Lowest -10, date 23
Extremes this month since 1904; highest 62, lowest -20
Average daily departure -7.0

Number of days clear 5, partly cloudy 6, cloudy 19, with measurable precipitation (0.01 inch, or more) 10

MISCELLANEOUS PHENOMENA—DATES OF

Average daily departure since January 1, +0.9
Total degree days 1284

Hail 0
Halos, solar 8; halos, lunar 11
Fog, light 0; fog, dense 0
Frost, light 8, heavy, killing †
Sleet 0
Thunderstorms 0

PRECIPITATION

Duststorms 0
†Frosts not recorded in autumn after first "killing", except in Florida and along the immediate coast of the Gulf of Mexico.

Wettest amount in 24 hours 0.22, date 4
Departure from normal this month -0.11
Accumulated departure since +3.89
Fall, greatest 24-hour amount 2.3, date 4
Snow on ground on 15th 1.8, and at end of month 2.4

MEAN TEMPERATURE AND TOTAL PRECIPITATION THIS MONTH IN—

71	83	95	07	30.0	19	23.2	31	24.6	1.24
72	84	96	08	29.2	20	26.2	32	22.2	0.46
73	85	97	09	30.8	21	31.9	33	33.4	0.32
74	86	98	10	31.2	22	25.8	34	34.6	0.56
75	87	99	11	21.2	23	32.4	35	23.2	0.77
76	88	00	12	31.8	24	27.1	36	26.8	0.40
77	89	01	13	31.6	25	28.8	37	31.0	0.47
78	90	02	14	33.8	26	31.8	38	22.2	0.63
79	91	03	15	27.2	27	32.2	39		
80	92	04	16	23.4	28	29.1	40		
81	93	05	17	36.6	29	23.2	41		
82	94	06	18	26.8	30	26.4	42		

Charles L. Howard

12-1-38-75

Weather Bureau.

今日无事，静坐窗前，思及往事，感慨良多。人生如梦，转眼即逝，当及时行乐，莫负韶华。

昨日友人来访，谈及近日市况，物价飞涨，民生凋敝，令人唏嘘。

闻得北方战事未平，烽火连天，百姓流离失所，实堪痛恨。

但愿早日和平，国泰民安，天下太平。

夜深人静，思绪万千，不觉已至天明。

明日当早起，整理行装，准备远行。

回首往事，历历在目，心中五味杂陈。

人生短暂，当珍惜眼前人，莫让遗憾留。

愿君一路顺风，前程似锦。

此致，敬礼。

某某人 敬

某某地 某某日

某某人 收

某某地 某某日

某某人 收

某某地 某某日

